MDOS SMART CLIENT

USER MANUAL V6.0

Last Updated: November 2019

© 2019 MICROSOFT CORPORATION. ALL RIGHTS RESERVED.

THIS DOCUMENT IS PROVIDED "AS-IS." INFORMATION AND VIEWS EXPRESSED IN THIS DOCUMENT, INCLUDING URL AND OTHER INTERNET WEB SITE REFERENCES, MAY CHANGE WITHOUT NOTICE. YOU BEAR THE RISK OF USING IT THIS DOCUMENT DOES NOT PROVIDE YOU WITH ANY LEGAL RIGHTS TO ANY INTELLECTUAL PROPERTY IN ANY MICROSOFT PRODUCT. YOU MAY COPY AND USE THIS DOCUMENT FOR YOUR INTERNAL, REFERENCE PURPOSES. THIS DOCUMENT IS CONFIDENTIAL AND PROPRIETARY TO MICROSOFT. IT IS DISCLOSED AND CAN BE USED ONLY PURSUANT TO A NON-DISCLOSURE AGREEMENT



TABLE OF CONTENTS

SECTIC	ON 0. TERMS AND DEFINITIONS	
SECTIC	DN 1. INTRODUCTION	
1.1	MDOS SC Value Propostion	
SECTIC	ON 2. MDOS SC INSTALLATION	10
2.1	MDOS SC ONBOARDING	10
2.2	MDOS SC INSTALLATION SET UP	11
2.3 9	SYSTEM COMPONENTS	22
2.4 9	SYSTEM REQUIREMENTS	
2.5 [DATABASE SIZE MANAGEMENT	23
SECTIC	DN 3. MDOS SC LOGIN	30
3.1	BUSINESS CONFIGURATION	
SECTIC	DN 4. DASHBOARD	41
4.1	VIRTUAL TOUR	41
4.2	TOP NAVIGATION BAR	43
4.3	MENU BAR	49
4.4	KEYS OVERVIEW	56
4.5	KEYS COUNT	57
4.6	KEY TRANSACTION	57
SECTIC	DN 5. KEY OPERATIONS	62
5.1	GET KEYS	62
5.2	SEARCH KEYS	65
5.3	RETURN KEYS	71
5.4	REVERT KEYS	75
5.5	IMPORT KEYS	80
5.6	EXPORT KEYS	83
5.7 (OA 3.0 TOOL	
5.8 ł	KEY PROVIDER SERVICE	
SECTIC	DN 6. REPORTS	93
6.1	CBR (COMPUTER BUILD REPORT)	93
6.2	PBR (PRODUCT BINDING REPORT)	

6.3	UPDATE OHR (OEM HARDWARE REPORT)	110
6.4	EDIT OPTIONAL INFORMATION	114
SECTION	7. SETTINGS	119
7.1	SETTINGS DASHBOARD	119
7.2	SYSTEM SETTING	122
7.3	BUSINESS SETTING	125
7.4	PROXY SETTING	125
7.5	DATABASE RESTORE	126
SECTION	8. ADVANCE FEATURES	136
8.1	MIGRATION	136
8.2	USER EMAIL	139
8.3	LANGUAGES SUPPORTED	140
8.4	ENVIRONMENT SWITCH	141
8.5	HELP	143
8.6	ABOUT	144
8.7	INTERNET CONNECTION	144
8.8	LOGOUT	145
SECTION	9. TROUBLESHOOTING	146
9.1 TR	OUBLESHOOTING	146
SECTION	10. ACRONYMS AND DEFINITIONS	149
10.1 A	CRONYMS	149
10.2 D	EFINITIONS OF KEY STATUS	150
SECTION	11. VERSION HISTORY	152

SECTION 0. TERMS AND DEFINITIONS

Terms:

OA 3.0: OEM Activation 3.0: The methodology by which an OEM can prepare a computer for the Windows 8 or Windows 8.1 or Windows 10 end-user activation and validation process.

Factory Floor Key Inventory (FFKI) refers to the inventory on the factory floor where devices are manufactured on a large scale. The number of keys needed on the manufacturing line is determined by the OEM. The number is based on the line forecast and current inventories on the Factory Floor Key Inventory system on the factory floor. The keys are protected and transmitted from MDOS to the Factory Key Inventory system via HTTPS. The MDOS FFKI connects to the MDOS Cloud directly via API or support via an offline model. The FFKI also directly connects to the OA 3.0 tool. The MDOS FFKI business model is governed by the OEM Global Partner Agreement, under OA 3.0 terms. As part of the OA 3.0 decentralized business model, the relationship between OEM and any partner managing the MDOS FFKI business model on the OEMs behalf is managed directly between the OEM and their FFKI partner.

TPI: Third-Party Installer: A manufacturer that is licensed through a TPI agreement to preinstall the Windows operating system onto a computer on behalf of an OEM. TPIs are authorized to use the OA 3.0 Tool

CBR: Computer Build Report: A report that the OEM generates for each manufactured computer at the OEM site, and then sends to Microsoft for processing. This report includes the header data, the hardware hash value, the product key ID, and any included optional information.

Hardware Hash: A unique, hash value that represents the hardware component information for a specific computer. The OEM uses the OA 3.0 Tool to calculate and send this value, in addition to the product key ID, to Microsoft in the Computer Build Report.

PBR: Product Build Report: A report that the OEM or Factory partner generates for attaching Office 365 and or Microsoft Store Products to a Windows key or set of keys prior to or post shipment of the device. A PBR can be created and submitted for a Windows Key up to the point the device is activated. PBR's cannot be submitted for Windows Digital Product Keys that are in the activation enabled state.

ULP: Up Level Partner: A partner that is a parent to the down level partner in the MDOS Business setup. Partners who are OEM's are Up Level Partners to their Factory Partners who are considered Down Level Partners in the hierarchy of the MDOS system.

DLP: Down Level Partner: A partner that is a child of the Up Level Partner (ULP) in the MDOS Business setup. Th DLP partner receives Digital Product Keys and Service Keys from their Up Level Partner in the MDOS hierarchy. The DLP is invited to join the ULP's business via an email invite, complete with the MDOS Smart Client Factory Floor tool installation link contained.

Product Key ID: A unique serial number that Microsoft provides. This number is associated with the product key.

Standard Order: An order for product placed by an OEM, specifying a single delivery location (OEM or TPI site) and including a specific quantify and requested delivery date for each line item. The product keys are fulfilled directly to the OEM.

SECTION 1. INTRODUCTION

Welcome to the Microsoft MDOS Smart Client (SC) 2.0, for use with the MDOS Cloud to complete the OEM Activation 3.0 (OA3.0) end to end process. If you are not familiar with the OA3.0 process, please review the below information to ensure you have a strong base level understanding before proceeding.

OA3.0 is the new method of manufacturing Windows 10 and beyond devices. Microsoft converted using Certificates of Authority (COA Stickers) to Digital Product Keys (DPK's) which require a BIOS injection of the 5x5 digital product key into the motherboard BIOS/UEFI of every Windows device. As part of the manufacturing process, Microsoft also requires a computer build report (CBR) be sent back for each device that is manufactured with Windows 10 and beyond.

The OEM Activation 3.0 requires an end to end process to complete the manufacturing requirements. The process starts with an OEM entering into a licensing agreement to manufacture and ship Windows and Microsoft products, such as Microsoft Office. Once a licensing agreement is in place between the OEM and Microsoft, the OEM is then required to onboard to the MDOS cloud web services in order to transact.

As part of the onboarding process to the MDOS cloud, the OEM will be required to setup and define a business within MDOS and invite their respective down level partner (DLP's) to participate in the end to end process. Once the OEM onboards their manufacturing partner(s) or Third Party Installer(s) (TPI), the TPI will install the new Microsoft MDOS Smart Client 2.0 application on the manufacturing lines in order to manufacture Windows 10 systems and beyond. Please see the diagram below for an end to end flow diagram example of how the OA3.0 process works:



Diagram 1: OEM Activation 3.0 end to end process flow

MDOS Architecture Overview: It is important to understand the architecture of the MDOS system as there are two parts; MDOS Cloud and the MSC v2.0. The MDOS cloud is a dedicated Microsoft Azure Web Service that is available to Breadth Partners of Microsoft worldwide. MDOS cloud is a web service, accessed and managed by using a standard Internet Browser and does not require the installation of local files or applications in order to run or function.

The second portion of the MDOS service is the new MDOS Smart Client v2.0, which is a standard Win32/64bit application with web services support. The MSC is installed in the factory on the manufacturing line(s) and provides access to the Microsoft digital product keys and product pins required in order to manufacture Windows 10 devices and beyond.

Once the OEM has onboarded to the MDOS Cloud and has defined their business, the OEM is ready to invite the TPI for installation of the MSC client and the start of Windows device manufacturing. The MSC client will install and automatically connect back to the MDOS cloud for final setup and configuration. Once the MSC client completes installation, the OEM can deploy or transfer a set of Digital Product Keys to their respective Down Level Partners (TPI's) for manufacturing windows devices and sending back a CBR for each device, thus completing the full end to end OA3.0 process.

MDOSSC Client 2.0 Overview: The Microsoft MDOS Cloud is an Azure based web service offering that is used mainly by either an OEM and or an ODM partner. The MDOS cloud is the "Parent" entity in the business definition within the MDOS system and is the service that connects to Microsoft's OA 3.0 backend web services (see diagram 1 OEM Activation 3.0 end to end process flow). The MDOS cloud is used by the OEM/ODM to place orders, fulfill the digital product keys, setup a business with down level partners in factories, perform digital product key computer build report (CBR) submissions, Product Binding Report (PBR's) submissions, as well as digital product key returns in what we call a Centralized Business setup. The MDOS cloud is used to connect to the MDOS Smart Client, which resides within the factory or manufacturing site, in order to complete Windows OA 3.0 manufacturing end to end requirements.

The MDOS Smart Client V2 is a web services based smart client application that is required to complete Windows 10 and beyond OEM Activation 3.0 manufacturing. The new MDOS SC is a standard 32/64bit Windows application that will install on a Windows workstation or Windows Server class machine. Once the OEM partner has logged into the MDOS Cloud, they will proceed to creating a secure business. The business they define will depend on their manufacturing requirements and needs, the number of manufacturing partners required, and the locations these factories reside. The OEM partner will decide who their manufacturing partners will be when manufacturing Windows devices. Once the OEM has identified their manufacturing partners, they will "invite" their manufacturing partners into their MDOS Business by sending an MDOS Cloud email to the manufacturing contact they will work with. The manufacturing partner contact upon receipt of the "MDOS Business Invite" email, will click on the client installation link to begin installing the MDOS SC v2 client onsite. The MDOS client will automatically determine the requirements to complete the installation of the client software and to securely connect that client to the respective Up Level Partner (ULP) in the MDOS Cloud.

Once the MDOS SC installation completes and the manufacturing contact logs into the MDOS SC system, they will have access to Windows based Digital Product Keys deployed by their Up Level Partner (ULP),

the OEM or ODM. The manufacturing contact can log into the MDOS SC system using either their Microsoft Account (MSA) or Corporate Active Directory Account (AAD), The MDOS SC can accommodate any number of Up Level Partners to work with, ensuring the individual ULP's partners Digital Product Keys remain separate and secure from other DLP entities within the OEM's business setup. Once the MSC is connected to the MDOS cloud, the parent partner can view all manufacturing related activities performed by their down level partner real time as required. The MSC manufacturing site can send CBR's, PBR's and DPK's back to their Up Level Partner using the new MSC Client.

1.1 MDOS SC VALUE PROPOSTION

Description

This section provides an overview of the new features and capabilities which MDOS SC offers to the partners.

Single Click Installation

Single click installation provides the end user with a single click "setup" that begins and completes the new MDOS Smart Client installation. Single click setup will complete all software required to enable digital commerce and transactions with Microsoft via the MDOS Cloud.

Rich UX Feature

• Mirrored User Interface: The new MSC will mirror the MDOS Cloud's User Interface (UI), providing customers with a familiar UI, enabling the ability to onboard and transact in a much faster way.

• Auto switch between PQ (Test Environment) and Production (Production Environment): MSC will offer partners and customers the ability to switch back and forth between the PQ Test environment and Production environment, without the need to re-install the MSC client.

• Rich Onboarding and Readiness Content: The new MSC will provide in depth and detailed onboarding documentation, user manual, tooltips as well as step by step embedded videos to assist partners and customers with installation, onboarding and general usage scenarios.

Live Notification Feature

Provides live notification features on performing any key operations in SC

• Offline/Disconnected MSC (AKA File Based OA3): The new MSC will no longer support the concept of "File Based" OA3, the ability to export the Digital Product Keys from the system to manually burn the DPK into a machine, importing the Computer Build Report back into the system once complete. With the new MSC, customers will only have 24 hours for the MSC to be "disconnected" from the Internet and the MDOS Cloud. After 24 hours of being

disconnected, the statistics and state of the client will no longer be accurate and will require a connection to complete additional functions and use available features.

• Digital Products Key (DPK) Full E2E Encryption: The new MSC will support full DPK encryption form MDOS Cloud to the Client. All communications that occur between the new MSC and the MDOS cloud will be encrypted, ensuring full service security and protection.

Effective Interaction with MDOS Feature

• Documented API's and Security Layer: Soon, both MDOS Cloud and MSC will support a programmatic interface via supported Application Programming Interface (API's) to complete transactions with Microsoft and down level partners. These API's will enable partners to connect MDOS Cloud of MSC to existing ERP, MES and or EMS factory systems, avoiding the use of the User Interface.

• API backward compatibility N and N-1 version: Both MDOS Cloud and the MSC will soon support direct API programming interfaces for partners who want to digitally transact in a programmatic way. The API support will provide ways to interface with existing shop floor and corporate systems already in place. Microsoft will support N (Latest API version) and N-1 (Previous API version) support, which means we will require partners to upgrade when the version of the API is extended beyond N.

Silent Update Feature

Silent update enables the deployment and installation of new features, services and or bug fixes to the MDOS Smart Client (MSC). Partners and customers will no longer need to identify, download and run a separate update package to upgrade their MDOS Smart Client software. Silent update will automatically update the MSC automatically without user interaction or prompts, always keeping the client up to date with the latest offerings from Microsoft

MSA and Corporate AAD Sign In

The new MSC will support both Microsoft Account (MSA) and Azure Active Directory corporate sign in and authentications. Feel free to use whichever MDOS login account meets your needs as both MDOS Cloud and Client support both sign in and authentication options. AAD is a more secure login that leverages the customers corporate email address.

The MDOS FFKI Smart Client:

- Interacts with MDOS, and consumes the services relating to key fulfillment, computer build report, product binding report, and key recall.
- Interacts with Microsoft OA3.0 Tool, and provides interface support to Assemble, Report, and Return through the Key Provider Service (KPS) component.
- Works as a production system in a factory's production line that has onboarded to OA3.0.

• Supports user management and logging support for security and traceability.

SECTION 2. MDOS SC INSTALLATION

2.1 MDOS SC ONBOARDING

Overview:

The new MDOS SC client is a factory floor line client application that interfaces with the MDOS Cloud to enable Windows device manufacturing utilizing the OA3.0 activation process. The OEM partner will use the MDOS cloud "Business Setup" to invite their factory floor partners to their business setup in the MDOS cloud. The OEM can decide to create a tiered architecture to the factory by using the MDOS FKI (Datacenter) cloud instance that provides control and/or management of the MDOS SC FFKI clients on the physical factory floor. For example, an OEM may have 2 factory partners they would like to work with. These downstream factories each have a data center where the factory floor lines are controlled and managed. The OEM may decide to setup their business structure with 2 FKI's representing the 2factory datacenter's as an additional level of management. The OEM would thus create 2 Down Level Partners within their MDOS business representing the factory data centers, or FKI's. Those FKI sites can then choose to add as many MDOS SC FFKI client systems on the physical factory floors as required. The MDOS Cloud FKI instance will now receive Digital Product Keys from their parent, the OEM, and can subsequently transfer DPK's to their respective MDOS SC FFKI's individually as needed. This setup allows the factory to restrict internet traffic to the factory floor, routing only the MDOS SC FFKI client traffic to the actual factory floor. This setup also provides an additional level of DPK management by requiring the FKI (Factory DataCenter) staff to manage the individual down level FFKI lines individually.

The OEM/TPI can also decide to forgo the need for an MDOS Cloud FKI and simply invite the factory partners to participate with just MDOS SC FFKI clients as down level partners within their MDOS Business setup. This allows the OEM to transfer DPK's directly to the factory floor for manufacturing, avoiding the setup of the Cloud FKI entity at all.

Instruction: Follow the high-level steps for onboarding the new MDOS SC FFKI client into the MDOS Cloud by downloading the MDOS SC installation package

Step-by-step:

 OEM/TPI needs to add the new down level partner (DLP) FFKI in MDOS cloud by providing a name for the FFKI instance, partner representative name and email id of the FFKI representative, the factory manager or the person who will be responsible for the new MDOS SC installation (Note: Email id needs to be unique for each FFKI)

Contoso OEM1		Microsoft	0
		PARTNER TYPE COMPANY INFO SUMMARY	
	<	Company Info	>
		PROCEED →	

2. Once the new DLP FFKI instance has been added successfully in MDOS, the FFKI partner will receive an email with a hyperlink to download the latest MDOS SC FFKI installation package

	Tue 4/3/2018 11:02 PM
M	MDOSSupport@microsoft.com
	Welcome to Microsoft Digital Operations Services – FFKI Partner Set up test
То	
Cc .	
	Microsoft
Hello	
Welcon	ne to the MDOS Smart Client (MSC). Cloud OA OEM 3 has added you as a FFKI Down Level Partner (DLP) in MDOS. Please go through the steps below to complete installation and setup of the MSC:
1.	o Please click <u>here</u> to download MDOS Smart Client
11.	READINESS MATERIALS (USER MANUAL AND VIDEOS) o To get detailed instructions on how to complete installations, set up and key operations please refer to user manual URL
111.	TECHNICAL SUPPORT
	 In case of questions related to the above steps not onswered by descriptions provided in the dser maintail of videos, pease send a main to <u>modernot serific osoficcom</u>
This is a	system generated mail, please do not respond to this email Id.

3. Partner must choose to download and save the package to their local machine for installation. We propose saving the installation package to the users Desktop for easy access and ease of installation.

2.2 MDOS SC INSTALLATION SET UP

Instruction: Follow the below steps to install MDOS SC in partner's machine.

Step-by-step:

- 1. Go to the folder where you saved the new MDOS SC setup package.
- 2. Right-click the new *MDOSSC.exe* setup package and select 'Run as administrator' and begin the install.

MDOS Sma	art Client Setup - InstallShield Wizard
	Preparing to Install
	MDOS Smart Client Setup Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
	Extracting: MDOS Smart Client Setup.msi
	Cancel

3. After the setup wizard is launched, a welcome screen will pop up. Click Next.

ц <mark>и</mark>	MDOS Smart Client Setup
Recent	Welcome to MDOS Smart Client Setup Please follow the wizard steps to complete Microsoft Digital Operations Services Smart Client setup on your system.
Microsoft Digital Operations Services	
	< Back Next > Cancel

4. Click on Proceed button.

彭	MDOS Smart Client Setup
Installin	g MDOS Smart Client Validator
The pro	gram features you selected are being installed.
P	Please wait while the Wizard installs MDOS Smart Client Validator. This may take several minutes. Status:
InstallShield	
	< Back Proceed > Cancel

5. The setup will validate for the required pre-requisites (ex. .Net Framework, SQL server) if it is already available.

ent Validator. This may
roceed > Cancel

붱	MDOS Smart Client Setup X
	MDOS Smart Client Setup
	MDOS Smart Client setup has finished extraction process. Please click 'Next' to continue installation.
Microsoft Digital Operations Services	Show the readme file
	< Back Next Cancel

6. Once the validator is installed, click on proceed button.



7. When directed to the End-User License Agreement (EULA) window, please go through the terms and conditions and click on "I Agree", only if you agree, to proceed with installation.

MDOS Smart Client	×
End-User License Agreement	
OA 3.0 Microsoft Digital Operations Services Client Software Supplement (Supplement) to the Connect Terms of Use In addition to the Connect Terms of Use, the following terms shall apply to your access, deployment and use of the MDOS Software and the MDOS Documentation. By accessing or downloading the MDOS Software provided by Microsoft or any portion of it, you agree to and are bound by the terms of the Connect Terms of Use and this Supplement. If you do not agree to all of the terms and conditions contained in the Connect Terms of Use or this Supplement, do not access or use the MDOS Software.	< III
ORDER OF PRECEDENCE This Supplement is meant to be consistent with and supplementary to the Connect Terms of Use. However, in the event of a direct conflict between language included in this Supplement and language included in the Connect Terms of Use, the provisions of this Supplement will control solely with respect to application to the MDOS Software. DEFINITIONS Defined terms used in this Supplement will have the meanings set forth below. Capitalized terms used but not defined below (or otherwise not defined in this Supplement) have the meanings set forth in the Connect Terms of Use, Claim(s) means all third-party claims, actions, demands, proceedings, damages, costs and liabilities of any kind. OA 3.0 means OEM Activation 3.0 functionality that provides the activation process for Microsoft products installed on OEM systems. OA 3.0 Services means the transactional online services provided in connection with OA 3.0, including programmable interfaces to data services for Digital Product Key (DPK) ordering and retrieval, DPK returns and compute build reports submission, downloading system-domain data, and downloading certain system data. MDOS Documentation means the end user documentation, including white papers, provided by Microsoft to you along with the MDOS Software, including, where applicable, any updates or future versions of the MDOS Documentation that Microsoft provides to you. MDOS Software means the software provided to you under this Supplement that is designated as the Microsoft Digital Operations Services Client and specifically including application source code and application program interfaces (APIs), induding, where applicable, any upgrades, updates, or future versions of the MDOS Software that Microsoft provides to you. LICENSE GRANT Subject to all of the terms of this Supplement and the Connect Terms of Use, and to your continuing compliance with this Supplement and the Connect Terms of Use, Microsoft grants you a limited, non-exclusive, personal, non-transferable, non-assignable, and termi	<
I Agree I Disagree	

8. If MDOS SC detects an existing MDOS FFKI 1.x version already installed on the machine, the partner will be displayed with the below pop-up message, asking if they want to upgrade from FFKI1.x to the new MDOS SC

•	MDOS Smart Client	×
	DIS 1.X Version Found	
	We have found earlier version of the FFKI on this system.	
	Would you like to upgrade?	
	Cancel Proceed	

- 9. If the partner clicks 'Proceed' button, SC installation will continue.
- 10. The setup package will verify if the SQL express 2016 is already installed in the machine, if not the package will install the software.



- 11. If there are any old SQL versions installed on the machine, it will automatically upgrade to the SQL version 2016 SP1.
- 12. Once the SQL express edition is installed successfully, the package will install the MDOS SC application.
- 13. Watch for the information displayed during the installation screen

MDOS Smart Client User Manual





MDOS Smart Client User Manual







Installing MDOS Smart Client.



- 14. Once the setup is completed, the application is ready to use. Click on the Launch button if you want to use the application just after installation or click on finish.
- 15. Installation process will take 20 to 30 minutes depending upon the hardware configuration of the machine.
- 16. Installation might fail if there is any pending system restart to install services and dependency applications. Please restart your system and install again in this case.
- 17. If the setup ends before installation process is completed, setup screen will show "Installation Interrupted" message. Please refer to 'Troubleshoot' section to troubleshoot the issue.



2.3 SYSTEM COMPONENTS

Description

This section explains about the components that will be packaged along with MDOS SC application.

MDOS SC includes the following components,

- Smart Client application,
- Key Provider Service (KPS),
- MDOS Web Services,
- Windows Services,
- Database (Test and Prod)

2.4 SYSTEM REQUIREMENTS

Description

Review the system requirements and acquire the software and hardware system needed before beginning the MDOS SC installation process.

Partners should set up the user profile for SC in only one machine, if more than one machine is configured the same user profile, then partners might face issue in key operations.

Hardware

The following are the minimum hardware system requirements for MDOS SC,

- 64-bit infrastructure processor
- 8GB RAM minimum
- 250GB Hard Disk minimum
- Screen Resolution: 1024*768 minimum

Software

MDOS SC will be supported in any of the below application servers,

- Windows 10 Home editions (64-bit)
- Windows 10 Pro editions (64-bit)
- Windows Server 2012 Enterprise Edition (64-bit)
- Windows Server 2012 R2 Enterprise Edition (64-bit)
- Windows Server 2016 Enterprise Edition

2.5 DATABASE SIZE MANAGEMENT

Description

Microsoft Digital Operations Services – Smart Client (MDOS-SC) data purging

Starting in November 2019, aged data will be purged from the local MSC database when the database reaches its set size limit in order to maintain operational continuity.

Details

In order to maintain operational continuity within the MSC system, aged data will be purged from the local MSC database when the database reaches its set size limit of 8GB (this is a configurable value).

Please note that as the data purge is only local to the system, there will be no impact on data stored within MDOS. Full key information and transaction data are still retained by Microsoft in our internal systems.

Important information about the data purge

• Only aged information will be affected, more detail on the data that will be removed can be found in the documents referenced below

- Users can choose whether to allow the purge when prompted or select "later" if they do not want to allow the process at that time
- If users do not allow the data purge within a suitable timeframe this may cause the MSC instance to crash and data to be lost at a later date due to database reaching its limit
- Hardwarehash data can be retrieved after the purge if needed, more detail on this process can be found in the documents referenced below

Benefit

This new practice of purging aged data will help maintain operational continuity within the MSC system.

Frequently Asked Questions

Q. When will purging happen?

A. When the MDOS-SC Database size reaches the threshold of purging, i.e, the database size has reached 8 GB (this is a configurable value), the purging process will be triggered.

Q. How will a user know when the purging process is starting?

- **A.** MDOS-SC users for which the threshold has been reached will get a pop-up message when they perform either of the following actions in MDOS-SC:
 - 1. Logging in to MSC
 - 2. Moving to the Settings screen

Q. Does the purge have to be completed when the notification appears or can it be scheduled?

A. The user can choose to perform the purge immediately or delay to a later date.

MSC will keep prompting the user to allow the purge until it has been completed.

1. **Perform Now:** If you choose to perform immediately, please select Perform Now and click confirm. This will close the MDOS – SC application and start the purging process.

1



 Perform Later: Clicking this button will, will allow the user to select a preferred date to perform the purge. The user should click confirmand close the pop-up window. The user will be able to use MDOS-SC as usual.

MSC database size has reached it the to ensure the database size not go	resho bevo	old lin	mit o he al	f 8GI	B, MS	SC ne	ed t	o pui e clie	rge the o ck 'CONF	ld data IRM' if
you want to start the data purge p postpone the process to the future of	broce day.	ess of	r cho	oose	'PER	FORM	/ LA	TER'	if you w	ant to
 Note: MSC application will be closed due to perform any operations. Purge duration depends upon the Refer to MSC user manual Section Reach out to msoemops@micros 	uring e syst n for	the tem p mor	purg perfo re inf	e pro ormai orma	nce a nce a ation	and nd th on th urthe	part ne to he p	tner tal n urge	will not to umber o process.	oe able f keys. ues.
Derform Durne Operation Braces										
Perform Later Operation Proces	5									
Perform Later Operation Proces Perform Later Operform Now Select date for purge operation	11/6	5/201	9		-					
Perform Later Operation Proces Perform Later Operform Now Select date for purge operation	11/0	5/201	9 No	vemb	e r - 20	019	_			
Perform Later Operation Proces Perform Later Operform Now Select date for purge operation	11/0	5/201 Sun	9 No Mon	vemb Tue	er – 20 Wed	019 Thu	Fri	Sat	CON	FIRM
Perform Later Operation Proces Perform Later Operform Now Select date for purge operation	11/0 45	5/201 Sun	9 No Mon	vemb Tue	er-20 Wed	019 Thu 7	Fri	Sat 9	CON	FIRM
Perform Later Operation Proces Perform Later Operform Now Select date for purge operation	11/0 45 46	5/201 Sun	9 No Mon 11	vemb Tue 5 12	er - 20 Wed 6 13	019 Thu 7 14	Fri 8 15	Sat 9 16	CON	IFIRM
Perform Later Operation Proces Perform Later Operform Now Select date for purge operation	11/0 45 46 47	5/201 Sun 10 17 24	9 No Mon 11 18	vemb Tue 5 12 19 26	er - 20 Wed 13 20	7 7 14 21	Fri 8 15 22	Sat 9 16 23	CON	FIRM

Q. Can MSC be used during the purge process?

A. The MDOS-SC application will remain closed during the entire purging process.

- If the MDOS-SC user tries to open MDOS-SC during the purging process, a pop-up message will be displayed informing the user that purging is in progress.
- The MDOS-SC user will be able to log in to MDOS-SC and perform operations without any issue once the purging process is complete.

Q. How long will the purging process take?

 A. For 8 GB of data with the recommended hardware configuration, the purging process should take around 30 minutes. With a lower hardware configuration, the process might last up to 3 hours.

Q. Can the purge be scheduled for a specific time?

A. Yes, when the user selects "later" they will be prompted to select a data and time.

Q. What happens if the purge process is not performed?

A. If the user does not purge the data and the database size grows beyond the limit, MSC will not respond as expected or may even stop working **Q. Which data will be purged?**

- **A.** Once the user confirms the purging process, the following data will be cleared from the MDOS-SC database:
 - Key history: The history of keys that were returned and activation enabled up to 90 days (this is a configurable value) prior to the purging confirmation will get cleaned up. Only the last key history of such keys will be displayed after the purging process is completed.

No key history purging will happen for keys that were returned or activation enabled within 90 days of the purging confirmation.

No key history purging will happen for keys in any other state except the abovementioned ones.

2. Hardwarehash: The hardwarehash of keys that were returned and activation enabled up to 90 days (this is a configurable value) prior to the purging confirmation will be cleaned up. The hardwarehash field for these keys will be displayed as blank after the purging process is completed. No hardwarehash purging will happen for keys that were returned, or activation enabled within 90 days of the purging confirmation.

No hardwarehash purging will happen for keys in any other state except the above mentioned ones.

3. Key transaction data: Key transactions (CBR and PBR) which were completed up to 60 days (this is a configurable value) prior to the purging confirmation will be cleaned up. These transactions will not be displayed in the MDOS-SC application when the purging process is completed. Transactions that were completed within 60 days of the purging confirmation will not be purged.

Transactions that have not been completed yet will not be purged.

- **4. Alerts**: Alerts that were received in MDOS-SC up to 90 days (this is a configurable value) prior to the purging confirmation will get cleaned up.
- 5. Logs: These are internal database logs and do not track any action done by partners.

Purged data	Key Status	Aged time	Retrieve available
	Activation &		
Key History	Returned	up to 90 days	No
	Activation &		
Hardwarehash	Returned	up to 90 days	Yes
Log	all	up to 90 days	No
Alert	all	up to 90 days	No
Transaction Data	CBR and PBR	up to 60 days	No

Q. Will the purging process remove all of the aged data mentioned in the table?

A. No. The purge tool will check the database after each data category is purged. If the database size is now below the archival threshold, no further purging will be done and the process will be completed.

For example, let's say that the purge threshold is 8 GB but the database size has reached 9 GB. Once the user confirms the data purge, the archival process will start. Let's also suppose that the purge sequence is as follows:

- 1) SQL logs
- 2) Hardwarehash
- 3) Key history
- 4) Transactions
- 5) 5) Alerts

In this case, the purge will happen to the SQL logs first. Once the purge for SQL logs is completed, the purge tool will check the current size of the database. If the size is still greater than the threshold value, the purge for the hardwarehash of eligible keys will start. Once the purge process of the hardwarehash is complete, the purge tool will again check the current size of database.

Now, if the size is still greater than the threshold, the purge process will continue to the next data category according to the set sequence. However, if the database size is now less than the threshold value, the purging process will stop there, and in the example provided, the key history, transactions, and alerts will not be touched by the tool.

Once the purging process is complete, the user can use the MDOS-SC application as usual.

Q. How can partners check the current database size?

A. Partners can see the current database size in the Settings dashboard. They can click on Monitor Database Connection in the dashboard and view the database size.

Q. Which purged data can partners retrieve from MDOS?

A. Only aged data will be purged.

- Partners will be able to retrieve the hardwarehash from MDOS by clicking on View Key option which is available after right clicking on the key in search results.
- The other purged data will not be available in MDOS.

Q. Why is the HH data being purged?

A. We have duplicated data stored at MDOS cloud as well, we will keep HH in 90 days for any factory query, up to 90 days HH record you can find on OEM MDOS.

Q. Why is the key history data being purged?

A. Key history contains the history of key state changes in MSC. This information has no significance after 90 days of the key being activation enabled or returned.

Q. Why is the alert data being purged?

A. Alerts that are more than 90 days old are not relevant to partners.

Q. Why is the key transaction data being purged?

A. Transactions are meant to monitor the process of key state transition during reporting. Once the transaction is complete, this information will no longer be significant.

Q. Why are the logs being purged?

A. Logs are internal database logs and not visible to partners.

Q. How can partners retrieve the data stored in MDOS?

A. OEM Partners can follow the instructions mentioned in the MDOS user manual to find the HH information.

Partners can go to their ULP and request the hardwarehash against the product key.

Partners can also raise a ticket with the mdoemops, providing MSFT Product Key IDs or MDOS Product Key IDs to get the hardwarehash.

Q. Does this process impact MDOS data?

A. No

SECTION 3. MDOS SC LOGIN

Instruction:

To launch the new MDOS SC application, locate the MDOS SC icon shortcut created in the desktop, right click and choose "Run as Administrator" and the application will launch and execute, prompting you to login

Step by Step:

- 1. Right click on the SC icon and run it in administrator mode.
- 2. You will see the login screen popup

Microsoft Digital Opera 📴 🕞 💷 🛱 art Client 🚬 X	
MDOS SMART CLIENT	
LOGIN	

3. Click on login button to launch the application, partner will be asked to provide the email ID and password of the FFKI added in the MDOS Cloud by the Up Level Partner, usually the OEM or ODM. This email address and login ID is the email address and password of the Factory Worker who will use the MSC FFKI Client application to manufacture devices.

NOTE: MDOS SC will ask the partner to provide the email ID and password only for the first time, for the subsequent logins, SC will cache the information and allow partner to login on click 'LOGIN' button without providing email ID and password, till partner clicks the 'LOGOUT' button.



4. Once valid email and password are provided, and login is successful, partner will be redirected to business configuration screen.

 \times

3.1 BUSINESS CONFIGURATION

Instruction:

If the partner was using FFKI1.x and wanted to migrate a specific business in MDOS SC, then they can perform business setup during their first login in MDOS SC.

Step by Step:

- 1. Double click on SC icon to launch MDOS SC.
- 2. You will see the login screen popup

Microsoft Digital Opera 💀 🕞 🖾 art Client _ X	
MDOS SMART CLIENT	
LOGIN	

 Click on login button to launch the application, partner will be asked to provide the email ID and password of the FFKI added in the MDOS Cloud by the Up Level Partner, usually the OEM or ODM. Partner need to provide the FFKI email address (added in MDOS) and password to login to MDOS SC.

NOTE: MDOS SC will ask the partner to provide the email ID and password only for the first time, for the subsequent logins, SC will cache the information and allow partner to login on click 'LOGIN' button without providing email ID and password, till partner clicks the 'LOGOUT' button.

Sign in to your account	×
Microsoft	
Sign in	
testffki@outlook.com ×	
Can't access your account?	
No account? Create one!	
Back Next	
	:
©2018 Microsoft Terms of use Privacy & cookies · · ·	_

4. Once valid email and password are provided, and login is successful, partner will be redirected to Business Configuration screen.

Let this app access your info?	×
Microsoft	
testffki2@outlook.com	
Let this app access your info? login.microsoftonline.com	
hello needs you to confirm its permission to:	
Access your info anytime	
Sign you in	
View your basic profile	
Read your profile	
Accepting these permissions means that you allow this app to use your data as specified in their terms of service and privacy statement. The publisher has not provided links to their terms for you to review. You can change these permissions at https://microsoft.com/consent. Show details	
No Yes	
© 2018 Microsoft Terms of Use Privacy & Cookies	

- 5. The business configuration screen will show all the available but nonconfigured FFKI business's from MDOS Cloud.
- 6. Once the profile and business search is completed, partner can select the business from the list of businesses (under which FFKI partner is added) that they need to migrate to MDOS SC.

Business Configuration		_
Search (By ULP):	Clear	Migrate data for all
Business Name : ULP Name : Cloud OA OEM 1 Representative name : Migrate Data:	Business Name : ULP Name : TPI 10 Representative nar Migrate Data:	1_0000130471 me :
		Y Court I have a

The business details contains the below fields: a) Business name

- b) ULP name: ULP partner under which FFKI is added
- c) Representative name
- d) Migrate data: Select this checkbox if you need to migrate data from previous FFKI 1.x version.
- e) Migrate data for all: Select this check box to allow to migrate data from FFKI 1.x to MSC for all selected business. (Note: All the business selected after this check box selection will by default get "Migrate Data" check box selected).

Step 1 Step 2		
earch (Bý ULP):	Clear	Migrate data for all
Business Name : ULP Name : Cloud OA OEM 1 Representative name : Migrate Data:	Business Name ULP Name : TPi 101 Representative nam Migrate Data:	0000130471 e:
5		

7. Click on Next button to proceed to the next screen for confirmation.
| Microsoft Digital Operations Services Smart Client | |) |
|---|------------|-----------|
| Business Configuration - Selected Business | | |
| Step 1 Step 2 | | |
| Business Name :
ULP Name : Cloud OA OEM 1
Representative name :
Migrate Data: True | | |
| | | |
| | + Previous | Migrate 🕞 |

8. Partner will see the business details (that they have selected) in the next screen. Click on migrate button. If the migrate data is true, Data migration will start in silent mode and notify partner once migration is completed. If migrate data is not selected, partner will be redirected MDOS SC dashboard page.



Note: In case business already configured on other system and having keys in their inventory, you will see those Box with grey background and red color message "Business is already configured on another machine and has key(s)."). User cannot select that business for MSC configuration.

However if business(s) which are already configured and don't have any keys in their inventory, you will see the box with vanilla background and red message "Business is already Configured on other machine". User can selected this business to configure MSC. But it will disable this business on other machine.

Microsoft Digital Operations Services Smart Clie 💀 🖣	
Business Configuration	
Step 1 Step 2	
Search (By ULP):	Clear Migrate data for all
Business Name : ULP Name : Representative name : Business is already configured on an other machine and has key(s).	Business Name : ULP Name : Representative name : Business is already configured on an other machine and has key(s).
Business Name : ULP Name : Representative name : Busines Migrate Data : Business is already configured on an other machine.	Business Name : ULP Name : clou: Representative name : Migrate Data : Business is already configured on an other machine.
Business Name :	Business Name :
	× Cancel Next +

Microsoft Digital Operations Services Smart Client	_ x
Business Configuration	
Step 1 Step 2	
Search (By ULP):	ligrate data for all
Business Name : ULP Name : ULP Name : ULP Name : Representative name : Bl Already Business Configured Business is already configured X Already Business Configured X MSC will disable the business from an other machine in order to proceed configuring in this machine. Please confirm you wish to disable the business in an other machine.	F3_DD ar machine and
Business Name : FFKI_bu ULP Name : Representative name : Bi Migrate Data : Business is already configured on an other machine. Migrate Data :	her machine.
Business Name :	
	Cancel Next →

SECTION 4. DASHBOARD

Description:

The dashboard provides quick links to direct you to key functions. This is the MDOS SC landing page and it provides a top navigation bar, status bar, action ribbon, and the main dashboard.

4.1 VIRTUAL TOUR

Description:

Virtual tour will be shown when the partner logs into the SC, this functionality will help the partner to understand MDOS SC capabilities. It includes high-level information of all the capabilities available in the dashboard.

Step-by-step

1. Click on 'Click Here' button to take a tour from the welcome screen.



2. Starting from Home icon, the tour will continue to next icon when the partner clicks 'Next' button. Each pop up will have a tool tip of the capability currently shown

Microsoft Digi	ital Operations S	ervices Smart Clie	nt												– x
Hicrosoft												<mark>ل</mark> اً	•• r	* 🔺 📶 ઉ	
Online	C	BR		PBR		I	Revert	Return	To ULP	(OA 3.0 T	ool	Page
Q Det Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	t By Quantit	Home This button redire	ects users to the main	MDOS dashboard.	s By Quant	tity Import	5 Refresh
									Ke	Exit Tour 🛞		Next 🕨			
FFKI_sagnik ffki_Mid	crosoft Agreemen	t 5200003543 🔻				600	00	59	71		0		17	TEST	mont
						Tot	al	Fulfi	lled		Returned	Activati	on Enabled	- Environ	ment
KEYS OVERVIE	EW			17 AC	IVATION ENABLE		Last 5 Transa	ction(s) Sumr	nary					View All Transact	tions 🖻
				= 12 NO	TIFIED BOUND			Initiated		Submitted		s AC	K Received	Completed	
				📕 5971 F	ULFILLED		CBR								2
													<u> </u>		
		5000					CBR	Initiated		submitted	Inprogres	is ACI	K Received	Completed	2
		KEYS						<u> </u>					9		
							CBP	Initiated	5	Submitted	Inprogres	is ACI	K Received	Completed	128
								<u></u>						<u> </u>	
								Initiated	5	Submitted	Inprogres	s AC	K Received	Completed	
							PBR			-0					2
NOTIFICATIO	N														
		Fulfilled #	Key	(i)	Consumed Key	/	(i)	Bound Key		(i)	Excepti	on	(i)		
		99+ Ke	ys stuck in fulfilled stati	LS	0 Keys stu	ck in consumed	d status	CBR su inform	bmitted witho ation	ut OHR	0	Daily number of MD0 failed connection(s) f	DS services or today		
		View	v Fulfilled Key 🗹		View Cons	umed Key [z	View	Bound Key	2		View Exception(s) 🗹		
							@ 2019 All Di	abte Pesonyad						Internet Conne	tionI

3. Partner will be taken to the next icon for review, then click the next button to proceed, or click the 'Exit Tour' option and the partner will be taken to the dashboard page.

Microsoft Digital	Operations Se	ervices Smart Clie	nt												– x
Hicrosoft												۵	6	* 🗚 71 🤅	
Online	CE	3R		PBR		F	Revert	Return	TO ULP	Inform	ation		OA 3.0 Tool		Page
Q End Control	By Keys	By Quantity	By Keys	By Quantity	Import PBR	Sy Keys	By Quantity	By Keys	b y Quantity	Edit Optional Info	Update OHR	E C	EQ By Quantity	Import	5 Refresh
									Keys	Count					
FFKI_sagnik ffki_Micros	soft Agreement	5200003543 🔻	1			600	0	59	71	0		17		TEST	
						Tot	al	Fulf	illed	Return	ned	Activation Enal	bled	* Environn	ient
KEYS OVERVIEW	/						Last 5 Transa	ction(s) Sum	mary					View All Transacti	ons 🖻
				17 AC 12 NO	TIVATION ENABLE	D _			,						
				5971	ULFILLED		CBR	Initiated	Sul	bmitted	Inprogress	ACK Recei	ved	Completed	12
										v				<u> </u>	
							C00	Initiated	Su	bmitted	Inprogress	ACK Recei	ved	Completed	1.0
_	6 K	000 EYS					CRK	<u>_</u>			-0			-0	2
								Initiated	Sul	bmitted	Inprogress	ACK Recei	ved	Completed	
							CBR	_							
								Initiated	Sul	bmitted	Inprogress	ACK Recei	ved	Completed	
							PBR	_		<u></u>				0	2
								-		-	-	-		-	
NOTIFICATION															
		Fulfilled	Кеу	1	Consumed Ke	y .	1	Bound Key		1	Exception		1		
								CBR s	ubmitted without (OHR	Daily nu	nber of MDOS servic	es		
		99+ Ke	eys stuck in fulfilled st	atus	Keys stu	ck in consumed	l status	inform	nation		o failed co	nnection(s) for today			
		Viev	v Fulfilled Key 🗷		View Cons	sumed Key 🛙	e	Viev	v Bound Key 🛙		View I	exception(s)			
							© 2018 All Ri	ghts Reserved						Internet Connec	tion

4. Partner can also click 'Dashboard' button in the pop-up so that the virtual tour option will be skipped.

4.2TOP NAVIGATION BAR

Description:

The top navigation bar provides quick links to key actions:

- Home Get a quick visual glimpse of your key (DPK) inventory by group.
- **Business profile sync** Sync up your business profiles
- Software update flag Displays the alerts for any software updates
- Settings Get a System UI view of your MDOS FFKI SC.
- Alert See a quick status list of your most recent key actions and updates.
- **Help** Link to the online User Manual for detailed descriptions and step-by-step instructions.
- User Account info View log in info, log out or log back into your account, switch account environments, or change language preferences.

Home:

Get a quick visual glimpse of your keys counts, grouped by status by clicking on the dashboard icon (boxes image). This visual display shows you inventory in an easy-to-understand and interactive chart view. Donut and line charts provide a visual breakdown by color, and allow you to click to drill down on a status.

Mice	rosoft Digital	Operations S	Services Smart Clie	ent												– x
Hic	crosoft												G	•	* 🔺 71 🤅	
Onli	ine	c	BR		PBR		F	tevert	Return	To ULP	C			OA 3.0 Too		Page
Q Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	الله By Quantity	Home This button redir	ects users to the main MDC	DS dashboard.	EQ By Quantity	Import	5 Refresh
										Ke	Exit Tour 🛞		Next 🕨			
FFKI_sag	nik ffki_Micro	soft Agreemer	nt 5200003543 🔻				600	0	59	71		0	17		TEST	toot
							Tota	al	Fulf	illed		Returned	Activation E	nabled	- LINIOIII	ienc
KEYS					17 AC	IVATION ENABLE		Last 5 Transa	ction(s) Sum	mary					View All Transacti	ons 🖻
					= 12 NO	TIFIED BOUND			Initiated		Submitted		ACK Re	ceived	Completed	
					📕 5971 F	ULFILLED		CBR	_		-0	0-)———	-0	
									Initiated	S	ubmitted	Inprogress	ACK Re	ceived	Completed	
			6000 KEYS					CBR	_		-0	0	C)(-0	2
									Initiated	S	Submitted	Inprogress	ACK Re	ceived	Completed	
								CBR	<u></u>		-0					2
									Initiated	S	ubmitted	Inprogress	ACK Re	ceived	Completed	
								PBR	<u>_</u>		-0		~		-0	2
NOT	FIFICATION															
			Fulfilled	Кеу	١	Consumed Key	/	(i)	Bound Key		(j)	Exception		(j)		
			99+ Ke	eys stuck in fulfilled s	tatus	0 Keys stu	ck in consumed	status	CBR si inform	ubmitted withou nation	It OHR	0 Daily failed	number of MDOS ser I connection(s) for too	vices day		
			Viev	v Fulfilled Key 🛙	:	View Cons	umed Key 🛙		Viev	/ Bound Key	2	Viev	w Exception(s) 🛙			

Business Profile Sync:

Sync your business profiles on click of the icon. If the same FFKI is added in some other business, then it will be reflected in MDOS SC on click of this icon.

Microsoft Digital	Operations Services	Smart Client										– X
Hicrosoft										ŵ 📥	r x 4	71 🕐 👗
Online	CBR		PBR		Re	evert	Return	To ULP			DA 3.0 Tool	Page
Q E	By Keys By Qu	Jantity By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity Edi	Business Profile Sync It will sync to the Business profile	of MDOS	EQ In International Internatio	bort S Refresh
								Keys Cou	Exit Tour 🛞	Next 🕨		
FFKI_sagnik ffki_Micros	oft Agreement 520000	03543 🔻			6000 Total	D I	597 Fulfill	1 led	0 Returned	17 Activation Enabled	æ	TEST Environment
KEYS OVERVIEW			17 AC	TIVATION ENABLEE		Last 5 Transa	ction(s) Summ	nary			View All	Transactions 🖄
			■ 12 NC	ITIFIED BOUND		CBR	Initiated	Submitter	d Inprogress	ACK Received	Complete	ed 🚺
	6000 KEYS					CBR	Initiated	Submitter	d Inprogress	ACK Received	Complete	ed 🚺
						CBR	Initiated	Submitte	d Inprogress	ACK Received	Complete	ed 🛃
						PBR	Initiated	Submitte	d Inprogress	ACK Received	Complete	ed 🚺
NOTIFICATION												
		Fulfilled Key	(i)	Consumed Key	Ý	(i)	Bound Key	(1) Exception	(
		99+ Keys stuck in fulfilled st	atus	0 Keys stu	ck in consumed :	status	CBR sub informa	omitted without OHR Ition	0 Dail faile	y number of MDOS services d connection(s) for today		
		View Fulfilled Key 🛙		View Cons	umed Key 🗹		View	Bound Key 🗹	Vie	w Exception(s) 🖪		
_	_	_	_	_		_	_	_	_	_	_	
cunstack preukpoints c	Account Seconds - Or					© 2018 All Ri	ghts Reserved				Interne	t Connection

Software Update flag:

See a quick status of the software update alerts by clicking the flag icon. This flag will show all the software updates that have occurred on the system.

Hicrosoft					ŵ 🖦 🏲	* 🔺 🕈 🖓 🏅	•
	PBR	Revert	Return To ULP	Inf Coffman Undeb		pol F	Page
Q 📋 📮 🗐		ి 🖸	1 1	Check to see if you have	a latest version of smart client	L L	5
Search Get Keys By Keys By Quantity By Keys	By Quantity Import PBR	By Keys By Quantity	By Keys By Quantity	Edit Optional available to update.		ity Import Re	efresh
			Keys C	Exit Tour 🛞	Next 🕨		
FFKI_sagnik ffki_Microsoft Agreement 5200003543 🔻		6000	5971		27	Environment	
		Total	Fulfilled	Returned	Activation Enabled		
KEYS OVERVIEW	17 ACTIVATION ENABLEI	Last 5 Transa	ction(s) Summary			View All Transactions	2
	12 NOTIFIED BOUND		Initiated Subn	nitted Inprogress	ACK Received	Completed	
	5971 FOLFILLED	CBR		0		0	s
			Initiated Subm	nitted Inprogress	ACK Received	Completed	
6000 KEYS		CBR	Ø	0—		0	2
			Initiated Subm	nitted Inprogress	ACK Received	Completed	
		CBR	Ø	<u> </u>		²	2
			Initiated Subm	nitted Inprogress	ACK Received	Completed	
		PBR		2		0	2
					-		
NOTIFICATION							
Fulfilled Key	Consumed Ker	y (1)	Bound Key	(1) Exception	1		
			CBR submitted without OH	R Daily nu	mber of MDOS services		
SS+ Keys stuck in full	ined status	ck in consumed status	information	failed co	nnection(s) for today		
View Fulfilled K	ey 🖻 View Cons	umed Key 🗹	View Bound Key 🖻	View	Exception(s)		
сановаск отсакронна сисернопосниндо очерае спотелае типа п	Guid I	© 2018 All R	ights Reserved			Internet Connection	ail

Settings:

Go to this page to view account setup. It contains all auto setting informations like auto submit CBR, auto fulfillment etc. along with import and export file location setting and disconnected mode setting.



Alert Icon:

See a quick status list of your most recent key actions and updates by clicking on the Alert icon (bell image). When a number shows up or changes, click on the alert icon to see a notification dropdown that contains a summary list of your most recent actions and updates. Click on the SHOW ALL button to see a complete list.

Micro	soft Digital	Operations S	ervices Smart Clie	ent											– x
Hicro	osoft												ŵ 🛶 P	* 🕺 🔺	0
Online	e	C	BR		PBR		I	Revert	Return	To ULP	In	nformation			Page
Q Search G	iet Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	t By Quantity	Edit Optiona	al Info Update (Alert See a quick status list of your most rec updates.	ent key actions and	5 Refresh
										Keys	Count		Exit Tour 🛞	Next 🕨	TEST
FFKI_sagnil	k ffki_Micros	oft Agreemen	t 5200003543 🔻				600	00	59	/1		Poturnod	Activation Enabled	🖉 En	vironment
							101	di				verunneu	Activation chabled		
KEYS C					📕 17 AC	TIVATION ENABLE		Last 5 Transa	ction(s) Summ	nary				View All Trai	nsactions 🗹
					12 NO	TIFIED BOUND			Initiated	Sul	bmitted	Inprogress	ACK Received	Completed	
					59/11	ULFILLED		CBR				O	6	0	2
									Initiated	Sul	bmitted	Inprogress	ACK Received	Completed	
			5000 KEYS					CBR	<u></u>			0	0	O	21
									Initiated	Sul	bmitted	Inprogress	ACK Received	Completed	
								CBR	_		<u></u>			<u> </u>	2
									Initiated	Sul	bmitted	Inprogress	ACK Received	Completed	
								PBR	<u></u>		<u></u>			-0	2
			Eulfilled	Kev	1	Consumed Key	/	0	Bound Key		(I)	Exception	1		
					Ŭ			Ŭ	,		Ŭ				
			99+ Ke	eys stuck in fulfilled st	tus	0 Keys stu	ck in consumed	d status	CBR su inform	bmitted without (atlon	DHR	0 Da fa	sily number of MDOS services iled connection(s) for today		
			Viev	w Fulfilled Key 🗹		View Cons	umed Key [2	View	Bound Key 🛛		v	iew Exception(s) 🕑		
								© 2018 All Ri	ahts Reserved					Internet Co	onnection Jul

Partners can click through each alert for further information, they can read individual alerts or delete or export the alerts. In case partners didn't want to go through all alerts, they can select all the alerts and click 'Mark as read' option to mark the alerts as read. This will reduce the count of the unread alerts.

Microso	oft Digital	Operations Services Smart Client									
Micro	soft							ŵ	•• ►	X 🔺 🤉	
Online		CBR		PBR	Revert	Return To ULP	Information		OA 3.0 Tool		P
h Ge	t Keys	By Keys By Quantity	By Keys By	Quantity Import PBR	By Keys By Quantity	By Keys By Quantif	ty Edit Optional Info Up	date OHR By Keys	EQ By Quantity	Import	Re
					🌲 Notificat	ion Overview					
									22	1 1	
									Total Alerts	Unread High Alerts	s
										٦	
() Hig	gh Alert Pric	ority ① Medium Alert Priority ①	Low Alert Priority				Search By Title		Q Mark as Re	ad Delete Export	t
() Hig	gh Alert Pric Priority	ority ① Medium Alert Priority ①	Low Alert Priority	Title	Me	sage	Search By Title		Q Mark as Re	ad Delete Export	t
() Hig	gh Alert Pric Priority	vrity ① Medium Alert Priority ① Date 3/28/2019 6:13:35 PM	Low Alert Priority	Title Store Prod	Met ucts No s	Sage tore products found	Search By Title		Q Mark as Re	ad Delete Export	t
() Hig	gh Alert Price Priority	Date 3/28/2019 6:13:35 PM 3/28/2019 3:56:18 PM	Low Alert Priority From Local Local	Title Store Prod Import key	Met ucts No Imp	Sage tore products found ort Key: 0 key(s) imported su	Search By Title	nport, to view the failed	A Mark as Re	ad Delete Export	t
() Hig	gh Alert Price Priority	vrity (1) Medium Alert Priority (1) Date 3/28/2019 6:13:35 PM 3/28/2019 3:55:18 PM 3/28/2019 3:53:05 PM	From Local Local Local	Title Store Prod Import key Export Key	Met ucts No t imp Keys	sage tore products found ort Key: 0 key(s) imported su Exported Successfully!	Search By Title	nport, to view the failed	Q Mark as Re Mark please follow	ad Delete Export	t
() Hig	riority () () () () () () () () () () () () ()	Date 3/28/2019 6:13:35 PM 3/28/2019 3:56:18 PM 3/28/2019 3:55:05 PM 3/28/2019 3:43:42 PM	From Local Local Local Local Local	Title Store Prod Import key Import Key	Met ucts No ! Imp Key; Imp	Säge tore products found art Key: Ney(5) imported su Exported Successfully1 rt Key: 1 key(5) imported su	Search By Title	nport, to view the failed	Q Mark as Re Mark please follow	ad Delete Export	t
Hig P	ch Alert Price Priority (1) (1) (1) (1) (1)	vity ① Medlum Alert Priority ① Date 3/28/2019 6:13:35 PM 3/28/2019 3:56:18 PM 3/28/2019 3:56:05 PM 3/28/2019 3:49:42 PM 3/28/2019 3:49:04 PM	From Local Local Local Local Local Local	Title Store Prod Import key Export Key Import key Import key	Mets No t Imp Key: Imp Imp	sage tore products found art Key: 0 key(s) imported su Exported Successfully1 art Key: 1 key(s) imported su tr Key: 0 key(s) imported su	Search By Title	nport, to view the failed	Keys please follow	ad Delete Expon	t
	Priority () () () () () () () () () () () () ()	Date 3/28/2019 6:13:35 PM 3/28/2019 3:56:18 PM 3/28/2019 3:55:05 PM 3/28/2019 3:49:42 PM 3/28/2019 3:49:42 PM 3/28/2019 3:49:42 PM 3/28/2019 3:49:45:80 PM	Low Alert Priority From Local Local Local Local Local	Tille Store Prod Import key Import key Import key Import key	Met uuts No ti Imp Keyi Imp Imp Imp	sage tore products found art Key: 0 key(s) imported su Exported Successfully) art Key: 1 key(s) imported su art Key: 0 key(s) imported su	Search By Title	nport, to view the failed nport, to view the failed nport, to view the failed	Keys please follow keys please follow keys please follow	ad Delete Expon	t
	th Alert Price Priority () () () () () () () () ()	Date 3/28/2019 6:13:35 PM 3/28/2019 3:56:18 PM 3/28/2019 3:56:18 PM 3/28/2019 3:49:04 PM 3/28/2019 3:49:04 PM 3/28/2019 3:49:58 PM 3/28/2019 3:48:58 PM 3/28/2019 3:48:58 PM	From Local Local Local Local Local Local Local Local	Title Store Prod Import key Export Key Import key Import key Import key	Me: ucts No : Imp Imp Imp Imp Imp	sage tore products found or Key: 0 key(s) imported su Exported successfully! or Key: 0 key(s) imported su or Key: 0 key(s) imported su or Key: 0 key(s) imported su	Search By Title ccessfully, 1 key(s) failed to in ccessfully ccessfully, 1 key(s) failed to in ccessfully, 1 key(s) failed to in ccessfully, 1 key(s) failed to in	nport, to view the failed nport, to view the failed nport, to view the failed nport, to view the failed	Mark as Re Mark as Re keys please follow keys please follow keys please follow keys please follow	ad Deiete Expon	Ť
	ph Alert Price Priority (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Date 3/28/2019 6:13:35 PM 3/28/2019 3:56:18 PM 3/28/2019 3:55:05 PM 3/28/2019 3:43:04 PM 3/28/2019 3:43:505 PM 3/28/2019 3:43:53 FM 3/28/2019 3:43:53 PM 3/28/2019 3:43:55 PM 3/28/2019 3:43:55 PM	Low Alert Priority From Local Local Local Local Local Local Local Local	Title Store Prod Export Key Import key Import key Import key Import key Import key	Mer uuts No t Imp Keys Imp Imp Imp Imp	sage tore products found art Key: 0 Key(5) imported su Exported Successfully tr Key: 1 Key(1) imported su art Key: 0 key(5) imported su art Key: 0 key(5) imported su art Key: 0 key(5) imported su	Search By Title cccessfully, 1 key(s) failed to in cccessfully, 1 key(s) failed to in	nport, to view the failed nport, to view the failed nport, to view the failed nport, to view the failed nport, to view the failed	C Mark as Re Mark as Re keys please follow keys please follow keys please follow keys please follow	ad Delete Expon	t
	priority Priority () () () () () () () () () (Date 3/28/2019 6-13:35 PM 3/28/2019 6-13:35 PM 3/28/2019 3:55:18 PM 3/28/2019 3:55:05 PM 3/28/2019 3:49:42 PM 3/28/2019 3:49:42 PM 3/28/2019 3:49:58 PM 3/28/2019 3:49:35 PM 3/28/2019 3:49:35 PM	Low Alert Priority From Local Local Local Local Local Local Local Local Local	Title Store Prod Import key Import key Import key Import key Import key Import key	Me: ucts No t imp Key: imp imp imp imp imp imp imp imp	sage tore products found or Key:0 key(s) imported su Exported Successfully! ort Key: 1 key(s) imported su ort Key: 0 key(s) imported su ort Key:0 key(s) imported su ort Key:0 key(s) imported su	Search By Title cccessfully, 1 key(s) failed to in iccessfully icccessfully. 1 key(s) failed to in icccessfully. 1 key(s) failed to in	nport, to view the failed nport, to view the failed nport, to view the failed nport, to view the failed nport, to view the failed	C Mark as Re Mark as Re keys please follow keys please follow keys please follow keys please follow	ad Delete Export path . path . path . path . path . path .	τ
Hig	ch Alert Price Priority (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Date 3/28/2019 6:13:35 PM 3/28/2019 3:56:18 PM 3/28/2019 3:56:51 PM 3/28/2013 3:53:55 PM 3/28/2013 3:49:04 PM 3/28/2013 3:49:04 PM 3/28/2013 3:49:05 PM 3/28/2013 3:48:58 PM 3/28/2013 3:48:58 PM 3/28/2013 3:48:58 PM 3/28/2013 3:48:55 PM 3/28/2013 3:45:56 PM 3/28/2013 3:45:56 PM 3/28/2013 3:45:55 PM	Low Alert Priority From Local Local Local Local Local Local Local Local Local Local	Title Store Prod Import key Import key Import key Import key Import key Import key Import key	Met Imp Imp Imp Imp Imp Imp Imp Imp	sage tore products found art Key: 0 key(s) imported su Exported Successfully art Key: 1 key(s) imported su art Key: 0 key(s) imported su	Search by Title cccessfully, 1 key(s) failed to in cccessfully, 1 key(s) failed to in	nport, to view the failed nport, to view the failed	Mark as Re Mark as Re keys please follow keys please follow keys please follow keys please follow keys please follow	path . path . path . path . path . path .	t
	ch Alert Price Priority (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	O Medlum Alert Priority O J282/2019 6:13:35 PM 3/28/2019 3:55:18 PM 3/28/2019 3:55:18 PM 3/28/2019 3:49:04 PM 3/28/2019 3:49:04 PM 3/28/2019 3:49:05 PM 3/28/2019 3:49:05 PM 3/28/2019 3:49:58 PM 3/28/2019 3:49:58 PM 3/28/2019 3:49:35 PM 3/28/2019 3:49:55 PM 3/28/2019 3:49:55 PM 3/28/2019 3:49:35 PM 3/28/2019 3:49:55 PM 3/28/2019 3:49:55 PM	From Local Local Local Local Local Local Local Local Local Local	Title Store Prod Import key Import key Import key Import key Import key Import key Import key	Mez imp imp imp imp imp imp imp imp	sage tore products found ort Key: 0 key(s) imported su Exported successfully! ort Key: 0 key(s) imported su ort Key: 0 key(s) imported su	Search By Title cccessfully, 1 key(s) failed to in cccessfully cccessfully, 1 key(s) failed to in cccessfully, 1 key(s) failed to in	nport, to view the failed nport, to view the failed	Keys please follow keys please follow keys please follow keys please follow keys please follow keys please follow	path . path . path . path . path . path . path . path . path .	τ
	ch Alert Price Priority () () () () () () () () () () () () ()	Date 3/28/2019 6:13:35 PM 3/28/2019 3:56:18 PM 3/28/2019 3:53:05 PM 3/28/2019 3:53:05 PM 3/28/2019 3:49:20 PM 3/28/2019 3:49:32 PM 3/28/2019 3:49:35 PM 3/28/2019 3:49:32 PM 3/28/2019 3:49:32 PM 3/28/2019 3:49:32 PM 3/28/2019 3:49:32 PM	From Local Local Local Local Local Local Local Local Local Local Local Local Local	Title Store Prod Import key Export Key Import key Import key Import key Import key Import key	Mer Imp Key Imp Imp Imp Imp Imp Imp	sage tore products found tr Key: 0 key(s) imported su Exported Successfully! tr Key: 0 key(s) imported su ort Key: 0 key(s) imported su	Search By Title cccessfully, 1 key(s) failed to in cccessfully cccessfully, 1 key(s) failed to in cccessfully, 1 key(s) failed to in	nport, to view the failed nport, to view the failed	C Mark as Re Mark as Re keys please follow keys please follow keys please follow keys please follow keys please follow	path . path .	t

Help:

The Help Icon (Question mark symbol) provides a link to the online User Manual. The User Manual is a comprehensive resource of descriptions, examples, and step-by-step instructions

for all the capabilities available in MDOS. You can also find definitions for acronyms, and links to other sources, such as FAQs.

Micros	soft Digital	Operations S	ervices Smart Clie	ent											– x
- Micro	osoft												ĥ 📥	r 🗙 🔺 📶 💿	
Online	e	C	BR		PBR			Revert	Return	To ULP	Inforr	nation			Page
Q Search G	et Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	L By Keys	By Quantity Keys	Edit Optional Int	fo Update OHR	Help Help button will take user manual. The user manual explanations, step by step every aspect of MDOS Sm	s to the new digital MDOS user contains examples, guides, and videos explaining art Client.	5 Refresh
FFKI_sagnik	k ffki_Micros	oft Agreemer	nt 5200003543 🔻				60	00	59	71	C		Exit Tour 🛞	Next 🕨	nt
							To	tal	Fulfi	illed	Retu	rned	Activation Enabled		
KEYS O					17 AC	TIVATION ENABLED		Last 5 Transa	ction(s) Sum	mary				View All Transaction	ons 🗹
					12 NO	TIFIED BOUND		CBR	Initiated	Sul	bmitted	Inprogress	ACK Received	Completed	2
			6000 KEYS					CBR	Initiated	Sul	bmitted	Inprogress	ACK Received	Completed	2
								CBR	Initiated	Sul	bmitted	Inprogress	ACK Received	Completed	
								PBR	Initiated	Sul	bmitted	Inprogress	ACK Received	Completed	2
NOTIF	ICATION														
			Fulfilled	Кеу	()	Consumed Key	((i)	Bound Key		(1)	Exception	(i)		
			99+ Ke	eys stuck in fulfilled st	atus	0 Keys stur	ck in consume	d status	CBR su inform	ibmitted without (ation	DHR	O Daily nur failed co	nber of MDOS services nnection(s) for today		
			Viev	w Fulfilled Key 🗹		View Cons	umed Key	2	View	Bound Key 🛙		View E	exception(s)		
															_

User Account Info:

The Admin icon (person image) provides a view of all your user accounts and lets you manage users connected to your account from this dashboard.

Microsoft CBR PBR Revert Return To ULP Information User Search Get Keys By Keys By Quantity By Keys By Quantity Import PBR Import PBR Import PBR Import PBR
Online CBR PRB Revert Return to ULP Information User Search Get Keys By Keys By Quantity By Keys By Quantity Import PBR By Keys By Quantity Edit Optional Info Update OHR By Keys By Quantity Import PBR By Keys By Quantity By Keys By Quantity Import PBR By Reys By Quantity Import PBR By Reys By Quantity Import PBR By Reys By Quantity Import PBR </td
Search Get Keys By Keys By Quantity Image of the completed of the co
FPRI_sagnik file_Microsoft Agreement 5200003543 B. The Production link allows you is availaged in lack you choose the source of the sour
PFKI_sagnik fiful_Microsoft Agreement 5200005543 6000 5971 0 Imguage references (figlib, Oiles 24) is out of you carrent scoont of up active in their you log out of you carrent scoont of up active in under a different active. KEYS OVERVIEW 117 ACTIVATION ENABLED 117 ACTIVATION ENABLED 121 ACTIVATION ENABLED Exit Tour IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
KEYS OVERVIEW If a transaction(s) Summary Last 5 Transaction(s) Summary Ext Torm (Received) Next + Imitiated Submitted Inprogress ACK Received Completed Imitiated
KEYS OVERVIEW If activation ensated Image: Solution of the solution
Initiated Submitted Inprogress ACK Received Completed G000 KEYS Initiated Submitted Inprogress ACK Received Completed CBR Initiated Submitted Inprogress ACK Received Completed Image: Completed
6000 KEYS CBR CCBR CCBR<
6000 KEYS Initiated Submitted Inprogress ACK Received Completed CBR Initiated Submitted Inprogress ACK Received Completed CBR Initiated Submitted Inprogress ACK Received Completed CBR Initiated Submitted Inprogress ACK Received Completed PBR Initiated Submitted Inprogress ACK Received Completed
G000 KEYS CBR CBR Initiated Submitted Inprogress ACK Received Completed
CBR Initiated Submitted Inprogress ACK Received Completed PBR Initiated Submitted Inprogress ACK Received Completed
CBR
Initiated Submitted Inprogress ACK Received Completed
PBR
NOTIFICATION
Fulfilled Key ① Consumed Key ① Bound Key ① Exception ①
99 Keys stuck in fulfilled status Image: CBR submitted without OHR information Image: CBR submitted without OHR information
View Fulfilled Key (2) View Consumed Key (2) View Bound Key (2) View Exception(s) (2)
© 2018 All Bickste Research Internet Connection all

User Management:

Admins have the ability to add multiple authorized users in MSC. To add another authorized user in MSC, click on the User Account button to be directed to the User Management section of MSC.

Microsoft Digital	Operations Services Si	mart Client												
Microsoft											ŝ	•• F	* *	0
Online	CBR		PBR			levert	Retur	n To ULP	Inform	nation	1		20	-
Search Get Keys	By Keys By Qua	ntity By Keys	By Quantity	Import PBR	by Keys	By Quantity	By Keys	By Quantity	Edit Optional Inf	Update OHR	≣-Ç By Ke	User From the user profile you can view which a	e icon (person image account you are cum	on far right), ently logged on
FFKL_sagnik ffkl_Micro	soft Agreement 520000	1543 🔻			600 Tota	0	5 Fu	Key 971 filled	r s Count 0 Retur	ned	Activat	environments, while language preference Chinese-Traditional), of your current acco account.	the Language link let s (English, Chinese-Si , and the Log Out link unt or log back in uno	ts you choose mplified, or lets you log out Ser a different
			17 A	CTIVATION ENABLED		Last 5 Transa	ction(s) Sum	mary				Exit Tour 🛞		Next *
			12 NO	OTIFIED BOUND FULFILLED		CBR	Initiated	Si	ubmitted	Inprogress	ACI	Received	Completed	ß
6000 KEYS						CBR	Initiated	Se	ubmitted	Inprogress	ACI	Received	Completed	12
						CBR	Initiated	S	ubmitted	Inprogress	ACK	Received	Completed	R
						PBR	Initiated	Si	ubmitted	Inprogress	ACK	Received	Completed	12
	1	Fulfilled Key	0	Consumed Key		0	Bound Key		Ø	Exception		0		
	itus	0 Keys stuc	k in consumed	status	(1) CBR	ubmitted without mation	OHR	O Dally nu failed co	mber of MDO mnection(s) fo	S services ir today				
		View Cons.	med Key B		Vie	w Bound Key	e.	View	Exception(s)	2				
						© 2018 All R	obts Reserved	í.					Internet C	onnection

• Click 'Add User'

				Add User	Delete User
Select	Display Name	User Email id	User Type	Created date	_
0	MSC Administrator		Super Admin	10/4/2019 11:44:29 AM	
H 4 1	H Page 1 of 1 Page Size				

- Enter the display name you wish to associate to the user, the user email address and the user type.
- Click Save

	🚨 Add User		+ Add User	🖋 Edit User	🛍 Delete User
Select Display Name O MSC Administra O Admin user 1	ator Display Name *	User 2		d date 019 11:44:29 AM 2019 12:10:30 PM	
H () H Page 1	of 1 User Email (MSA email) *				
	User Type *	User			
User Management					

To edit a previously added user, click on the user you wish to edit and click on edit user.

To delete a previously added user, click on the user you wish to delete and click delete user.

		+	Add User	🗊 Delete User
Select Display Name	User Email id	User Type	Created date	_
 MSC Administrator 		Super Admin	10/4/2019 11:44:29 AM	
N C A A N Page 1 of 1	au - Page Size			



Search:

The Search Key allows users to search for keys based on search parameters and perform key operations such as RECALL, REPORT, RETURN, etc. from the search screen.

Microsoft Digital Ope	erations Services Smart	t Client												– x
Hicrosoft											<u>ن</u>	6	* 🔺 📶 (2
Online	CBR		PBR		R	evert	Return	To ULP	Infor	mation		OA 3.0 Tool		Page
8 🛍 (By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Ir	fo Update OHR	EQ By Keys	EQ By Quantity	Import	S
Search								Key	Count					
Use Search functionality to fin parameters and perform key o RECALL, REPORT, RETURN, etc.	d keys based on search operations such as ASSIGN, . from the search screen.	2			600	D	59	71		0	17		TEST Enviror	r iment
Exit Tour 🛞	Next 🕨				Tota		Fult	illed	Retu	irned	Activation Enal	bled		
			17 AC	TIVATION ENABLED	, ,	Last 5 Transa	ction(s) Sum	mary				N N	/iew All Transac	tions 🕑
			= 12 NG	TIFIED BOUND			Initiated	Su	bmitted		ACK Recei	ved	Completed	
			5971	FULFILLED		CBR	<u>_</u>		<u></u>	O	0		-0	
							Initiated	Su	bmitted	Inprogress	ACK Recei	ved	Completed	
	6000 KEYS					CBR	_		<u></u>	0	0		-0	
						CPD	Initiated	Su	bmitted	Inprogress	ACK Recei	ved	Completed	12
							<u> </u>		<u></u>				-0	
							Initiated	Su	bmitted	Inprogress	ACK Recei	ved	Completed	
						PBR			ø				-0	2
NOTIFICATION														
	Fulfi	lled Key	1	Consumed Key	(1	Bound Key		(i)	Exception		1		
	99+	Keys stuck in fulfilled st	tatus	0 Keys stud	ck in consumed	status	CBR si inform	ubmitted without (lation	DHR	Daily nu failed co	mber of MDOS service nnection(s) for today	es		
		View Fulfilled Key 🗹		View Cons	umed Key 🛛		Viev	/ Bound Key E		View I	exception(s) 🛽			
						© 2018 All Ri	ghts Reserved						Internet Conne	ction

Get Keys:

The Get Keys command is used to check for and download available Digital Product Keys from the Up Level Partner. Use the Get Keys command to force the MSC to check for available keys. The Get Keys command will follow the SLA's of the ULP.

	osoft Digital (Operations Se	ervices Smar	t Client												– x
Hic	rosoft												ŵ 🕳	r x	<mark>.</mark> ₹ ⁷¹ ⑦	
Onlir	ne	CB	BR		PBR			Revert	Return	To ULP	Info	rmation	(OA 3.0 Tool		Page
Q Search	Ŕ	E		E YS	By Quantity	/ Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional In	nfo Update OHR	EQ By Keys E	EQ By Quantity	1mport	5 Refresh
	Get Keys									Keys	Count					
FFKI_sag	Use Get Keys MDOS if they before keys ca functionality of	to instantly dow are available. C an be ordered a can be used.	wnload the ke Certificate mus and the Get Ke	ys ordered in it be uploaded iys			60 Tot	oo tal	597 Fulfil	71 lled	Ret	0 urned	17 Activation Enabled	d	TEST Environme	ent
KEYS	Exit Tour	۲		Next 🕨	. 1	ACTIVATION ENABLE	ED	Last 5 Transa	action(s) Sumn	nary				View A	All Transactic	ons 🖸
					■ 11 ■ 59	NOTIFIED BOUND		CBR	Initiated	Sul	omitted	Inprogress	ACK Received	d Comp	leted	2
	6000 KEYS							CBR	Initiated	Sul	omitted	Inprogress	ACK Received	d Comp	leted	2
	KEYS							CBR	Initiated	Sul	omitted	Inprogress	ACK Received	d Comp	leted	2
								PBR	Initiated	Sut	omitted	Inprogress	ACK Received	d Comp	leted	Z
NOT	IFICATION															
			Fulf	illed Key	(j)	Consumed K	ey	(j)	Bound Key		١	Exception	(D		
	Keys stuck in fulfilled status Keys							d status	11 CBR sul informa	bmitted without 0 ation	IHR	Daily nu failed co	nber of MDOS services nnection(s) for today			
				View Fulfilled H	(ey 🕑	View Cor	nsumed Key	2	View	Bound Key 🛛		View B	xception(s) 🗹			
								@ 2019 AU.D	ights Posonad		_			Jata	met Connecti	ion "II

CBR:

A Computer Build Report (CBR) is a mandatory report that is sent to Microsoft notifying which keys have been used (bound), so they can be activated. This report is required by Microsoft to obtain the following details: OEM ID, Hardware Hash, Product Key ID, and Key State. Once the CBR is submitted and validated, Product Key IDs will be registered in Microsoft's activation service, and Windows can be activated by the end user. The CBR process is manual, unless you are set up for auto reporting. The CBR report is created by running the OA3tool.exe /report command on the client device post flashing the DPK into the devices firmware. For more information on the OA3tool.exe and how to configure the tool for use in the factory floor in conjunction with the MSC, please download and review the following documents from the Microsoft DOC website:



OEM Activation 3.0 Overview Usage Guide.xps

PBR:

Bind Windows keys (such as Windows 10 OS) with service keys (such as Office 365) and Store products and report the information back to Microsoft.

OEM Activation 3.0 WinClient Test Guidance Plan.xps

Microsoft Digit	al Operations S	ervices Smart Clie	ent												– x
Hicrosoft												<u>ہ</u>	o 🏲 :	× + ⁷¹	0 🛓
Online	C	BR		PBR		R	evert	Return	To ULP	Inform	ation		OA 3.0 Tool		Page
Q Det Keys	By Keys	By Quantity			Ê	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	EQ By Keys	EQ By Quantity	Import	5 Refresh
FFKI_sagnik ffki_Micr	osoft Agreemer	it 5200003543 🔻	PBR by Keys Bind service keys (su (such as Windows 10 ULP by keys	ch as Office 365) with OS) and report infor	h Windows keys rmation back to	600 Tota	0 II	59 Fulf	Keys 71 illed	Count 0 Return	ied	17 Activation Enab	led	TE Enviro	T onment
KEYS OVERVIE	W		Exit Tour 🛞	17 ACTI	Next VATION ENABLE		Last 5 Transa	ction(s) Sum	mary				Ň	/iew All Transa	ctions 🖻
				 12 NOT 5971 FU 	IFIED BOUND JLFILLED		CBR	Initiated	Sub	omitted	Inprogress	ACK Receiv	ved (Completed	
		6000 KEYS				CBR	Initiated	Sub	omitted	Inprogress	ACK Receiv	ved (Completed		
							CBR	Initiated	Sut	omitted	Inprogress	ACK Receiv	ved (Completed	
							PBR	Initiated	Sub	omitted	Inprogress	ACK Receiv	ved (Completed	Z
NOTIFICATION	4														
		Fulfilled	Кеу	(j)	Consumed Ke	Y	í	Bound Key		(i)	Exception		í		
	0 Keys stu	ck in consumed	status	11 CBR si inform	ubmitted without C nation	IHR	Daily nu failed co	mber of MDOS service nnection(s) for today	15						
	View Fulfilled Key 🖄 View C							Viev	v Bound Key 🗹		View I	exception(s) 🕑			
	_	_	_	_	_	_	_	_	_	_	_	_	_	_	

Revert:

Revert keys allows the partners to revert the key status from the Consumed state to the Fullfilled in case of manufacturing error's. Do not revert Consumed Digital Product Keys that have been: 1. Injected in a device, where that device has shipped to a custome. 2. A CBR report has been created and submitted to Microsoft for a specific DPK. In both of these cases, reverting a key will cause the potential for a duplication situation.

Microsoft Digital Operations Services	s Smart Client										– x
									ŵ 🕳 🕅	* * * * * (2
		PBR		I	Revert	Return To	ULP	Information	OA 3.0	Tool	Page
Search Get Keys By Keys By C	Quantity By Keys	By Quantity	Import PBR	1	J	<u> </u>	antity Edit	Optional Info Update OHR	By Keys By Qua	ntity Import	5 Refresh
FFKI_sagnik ffki_Microsoft Agreement 52000	003543 🔻			Revert by Revert cons Exit Tour	Keys sumed key to fulfill r 🛞	ed using by keys	Keys Cour	0 Returned	17 Activation Enabled	TEST Enviror	r iment
KEYS OVERVIEW		17 ACT	VATION ENABLED	,	Last 5 Tran	saction(s) Summar	ry .			View All Transac	tions 🖻
		12 NOT	IFIED BOUND JLFILLED		CBR	Initiated	Submittee	d Inprogress	ACK Received	Completed	2
6000 KEYS					CBR	Initiated	Submittee	l Inprogress	ACK Received	Completed	Ľ
					CBR	Initiated	Submittee	d Inprogress	ACK Received	Completed	2
					PBR	Initiated	Submittee	d Inprogress	ACK Received	Completed	Z
NOTIFICATION											
	Fulfilled Key	١	Consumed Key	((i)	Bound Key	(Exception	(i)		
	99+ Keys stuck in fulfilled s	status	0 Keys stu	ck in consumed	d status	CBR submit information	tted without OHR n	 Daily no failed o 	mber of MDOS services onnection(s) for today		
	View Fulfilled Key 🛛	:	View Cons	umed Key [2	View Bo	ound Key 🖻	View	Exception(s) 🛛		
	_	_	_		0.0010.10		_	_	_	Internet Conne	اه مند

Return to ULP:

Down level partners (OEM/IDH/TPI users) may be able to return keys to Microsoft due to different potential scenarios. In a centralized model, down level partners will notify up level partner (OEM) via MDOS, of which keys can be returned. The OEM can then return keys to Microsoft.



Information:

The OEM Hardware Report (OHR) generally follows the Computer Build Report (CBR) and includes additional hardware data required by Microsoft, such as model number, screen size, touch screen. The OHR is required by Microsoft. (Refer to your agreement for details).

An OHR is usually submitted at the same time as the CBR. However, it can be updated after the CBR has been submitted as well. The OHR update will allow a downlevel partner to update data and the report will automatically submit any time an update is made.

The OEM partner is ultimately responsible for the data and accuracy of the report. Content that is supplied by the downlevel partners should be reviewed by the OEM before submission.

OEM Optional Information report, provides additional optional reporting fields that can be reported as part of the Computer Build Report (CBR) and OEM Hardware Report (OHR). This includes additional hardware details fields such as, OEM Extended Identifier, Country, PEV (Promotional Code), Channel Relationship ID, and Selling Location.

Micro Micro	osoft Digital	Operations S	ervices Smart Cli	ent										– X
- Micr	rosoft											ŵ 🛶 🏲	* * (?
Onlin	10	C	BR		PBR		I	Revert	Return To UI	LP	Information	OA 3.0 T	ool	Page
Q Search C	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	Sy Keys	By Quantity	By K Update OH		te OHR	By Keys By Quan	tity Import	5 Refresh
FFKI_sagni	ik ffki_Micro:	oft Agreemen	t 5200003543 🔻	·			600	00	Submit an OE functionality	M Hardware Report (OHR	using search	17	TEST Enviror	r iment
								al	Exit Tour	8	Next 🕨	Activation Enabled		
					📕 17 AC	TIVATION ENABLED		Last 5 Transa	ction(s) Summary				View All Transac	tions 🗹
					12 NC	FULFILLED		CBR	Initiated	Submitted	Inprogress	ACK Received	Completed	2
	6000 KEYS							CBR	Initiated	Submitted	Inprogress	ACK Received	Completed	R
								CBR	Initiated	Submitted	Inprogress	ACK Received	Completed	2
								PBR	Initiated	Submitted	Inprogress	ACK Received	Completed	Z
			Fulfilled	Кеу	١	Consumed Key		(j)	Bound Key	١	Exception	i		
	(95) Keys stuck in fulfilled status							d status	CBR submitte information	d without OHR	 Dally nur failed cor 	nber of MDOS services inection(s) for today		
	View Fulfilled Key 🗹 View Consu							2	View Bour	nd Key 🖻	View E	xception(s) 🗹		
								© 2018 All Ri	ghts Reserved				Internet Conne	ction

OA 3.0 Tool:

The OA3tool.exe is a utility provided by Microsoft in the Microsoft Automated Deployment Kit (ADK). The OA3tool.exe is used to electronically pull a DPK from the MDOS FFKI SC client application while connected to the network. The MDOS FFKI SC Client interfaces with the OA3tool to correctly pull the next DPK from the database. The OA3tool also crates the Computer Build Report using the OA3tool.exe /Report command. The CBR will automatically be imported into the MDOS FFKI SC client application once the report is generated for each device on the factrory floor. If your MDOS SC client is disconnected from the network, you can choose to export DPK's for manual use with the OEM BIOS Flash tool and the OA3tool.exe, as well for importing of the CBR's back into the MSC. The MSC allows for a limited time to be disconnected from the cloud.

Mic Mic	rosoft Digita	Operations S	Services Smart Cli	ent										– X
Hie Mie	crosoft											ŵ 🖦 🏲	* 🔺 📶 (۲ 🖌
Onl	ine	(BR		PBR			Revert	Return To UL	р	Information	OA 3.0 1	ool	Page
Q Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	Sy Keys	By Quantity	By Keys By Q	Export by Keys		Keys By Quan	tity Import	5 Refresh
FFKI_sag	nik ffki_Micro	soft Agreemer	nt 5200003543 🔻	•			60	00 tal	5971 Fulfilled	Export keys by produ for future download	uct key number into a secure locat and use.	ion 17	TEST Enviror	r iment
KEYS								Last 5 Transa	ction(s) Summarv	Exit Iour @	NEAT -		View All Transac	tions 🖻
	12 NOTIFIED BOUND 5971 FULFILLED							CBR	Initiated	Submitted	Inprogress	ACK Received	Completed	Z
	6000 KEYS							CBR	Initiated	Submitted	Inprogress	ACK Received	Completed	2
								CBR	Initiated	Submitted	Inprogress	ACK Received	Completed	2
								PBR	Initiated	Submitted	Inprogress	ACK Received	Completed	Z
NO	TIFICATION													
			Fulfilled	Кеу	Í	Consumed Key	r	١	Bound Key	í	Exception	1		
	935 Keys stuck in fulfilled status						:k in consume	d status	CBR submitted information	I without OHR	Daily num failed cont	ber of MDOS services nection(s) for today		
	View Fulfilled Key 🖄 View Consu							2	View Boun	d Key 🖻	View Ex	ception(s) 🗹		
_														_
								© 2018 All Ri	ahts Reserved				Internet Conne	ction

Refresh:

Refresh option allows the partners to refresh the key status, in case partner felt the SC not displaying the correct key status, partners can use this 'Refresh' option which will sync the key status with database and display the latest status.

Microsoft Digital Operations Ser	rvices Smart Client													– x
											ŵ 🕳		6 🐥 <mark>71</mark> (۲
Online CB	R		PBR		F	Revert	Return	To ULP	Inf	ormation	(DA 3.0 Tool		Page
Search Get Keys By Keys	By Quantity By	Keys By C	Luantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional	Info Update OHR	By	≡Q	↑ L	∧5 fresh
								Keys	Count		Lice Refrech fi	unctionality to ref	rach the latert key	etatur
FFKI_sagnik ffki_Microsoft Agreement	5200003543 🔻				600	00	597	1		0	Ose wenteshin		resh the latest key	status
					Tot	al	Fulfi	led	Re	turned	Active Exit Tour	۲	Next	•
KEYS OVERVIEW			17 ACTI	VATION ENABLED		Last 5 Transa	ction(s) Summ	nary				Vi	ew All Transa	tions 🖻
			 12 NOT 5971 FU 	IFIED BOUND		CBR	Initiated	Sul	bmitted	Inprogress	ACK Received	d C	ompleted	2
							Initiated	Sul	bmitted	Inprogress	ACK Receiver	1 0	ompleted	
60 Ki	000 EYS					CBR		50	O	<u> </u>	©		- 0	
						CBR	Initiated	Sul	bmitted	Inprogress	ACK Received	d C	ompleted	53
							<u> </u>		~					
							Initiated	Sul	bmitted	Inprogress	ACK Received	d C	ompleted	
						PBR	<u></u>						-0	2
	Fulfilled Key	(1)		Consumed Key		١	Bound Key		١	Exception	(D		
	99+ Keys stuc	k in fulfilled status		0 Keys stuc	k in consumed	i status	CBR su informa	omitted without (ation	DHR	Daily nur failed cor	nber of MDOS services nnection(s) for today			
	View Fulfi	lled Key 🗹		View Const	umed Key E	4	View	Bound Key 🛛		View E	xception(s) 🛛			
						© 2018 All Ri	ights Reserved						Internet Conn	ection "II

Business drop down:

Select the business with which you need to perform key operations. If partner has multiple business, they select the business from the dropdown and work on the selected business.

Microsoft Digital C	Operations Servic	es Smart Client	t												– x
- Microsoft												۵	0 F	* 🔺 📶 🤅	
Online	CBR			PBR		F	Revert	Return	To ULP	Inform	nation		OA 3.0 Tool		Page
Q D Search Get Keys	By Keys By	Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	L By Keys	By Quantity	Edit Optional Inf	fo Update OHR	E D By Keys	EQ By Quantity	Import	5 Refresh
									Keys	Count					
FFKI_sagnik ffki_Microso	oft Agreement 520	0003543 🔻				600 Tota	10 al	59 Fulf	71 Iled	0 Retur	med	17 Activation Ena	bled	TEST Finite Environm	nent
Business Drop Down							Last 5 Transa	ction(s) Sum	nan/					View All Transacti	ons 🖻
Select the FFKI business dropdown menu	you wish to work w	vith from the		17 AC	TIVATION ENABLED			ction(s) sum	nary						
Exit Tour 🛞		Next 🕨		5971 F	FULFILLED		CBR	Initiated	Sul	omitted	Inprogress	ACK Rece	ived	Completed	2
	6000 KEYS						CBR	Initiated	Sul	bmitted	Inprogress	ACK Rece	ived	Completed	
							CBR	Initiated	Sul	bmitted	Inprogress	ACK Rece	ived	Completed	2
							PBR	Initiated	Sul	bmitted	Inprogress	ACK Rece	ived	Completed	2
NOTIFICATION															
		Fulfilled Ke	Υ	١	Consumed Key		١	Bound Key		(i)	Exception		(i)		
	tus	0 Keys stud	ck in consumed	i status	CBR su inform	ibmitted without (ation	DHR	Dally nu failed co	nber of MDOS servio nnection(s) for today	tes /					
	View Fulfilled Key 12 Vi							View	Bound Key 🛙		View I	xception(s) 🗹			
							© 2018 All Rid	ghts Reserved						Internet Connec	tion 🔐

4.4KEYS OVERVIEW

Description:

Get a quick visual glimpse of your keys counts, grouped by status (Fulfilled, Consumed, Bound, Activation Enabled and Returned) in a donut chart view. This visual display shows you inventory in an easy-to-understand and interactive chart view.

Microsoft Digital Op	erations Services S	imart Client												<u>لة (1</u>	– x
Hicrosoft													ଳି 🌰 1	× + ¹⁶	0 👗
Online	a	3R		PBR			Revert	Retur	n To ULP	Inform	ation		OA 3.0 Tool		Page
Q D Search Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	≜ By Keys	L By Quantity	Edit Optional Info	Update OHR	E Q By Keys	By Quantity	Import	5 Refresh
									Key	ys Count					4
FFKI_mdosscuser_02_Micr	osoft Agreement Si	000044111 🔻				4	15		26	0		1		TEST	
1						То	ital	Fu	filled	Return	ned	Activation Enab	led	 Environi 	nent
KEYS OVERVIEW				26 FULF	ILLED		LAST 5 TRANS	ACTIONS						View all trans	actions 🕑
				2 CONS 1 BOUN	DMED			Initiated	Su	bmitted	Inprogress	ACK Rece	ived	Completed	
				I ACTIV	ATION ENABLED		CBR	0		·@					12
								Initiated	Su	bmitted	Inprogress	ACK Rece	ived	Completed	
		30					PBR	0-		0					12
		LETS						Initiated	Si	hmitted	Innrogress	ACK Rers	ived	Completed	
							PBR								2
NOTIFICATION			Fulfilled Ke	γ ① stuck in fulfilled status	Consu	med Key Keys stuck in cons	() sumed status	Bound Key	mitted without CHR	 Exception 	otion Daily number of MDOS si failed connection(s) for to	() ervices oday			
			View	Fulfilled Key 😢	Vie	w Consumed H	Key 12	View	Bound Key 🗷		View Exception(s)				

4.5 KEYS COUNT

Description:

See a default view of current count of product keys by Total keys, Fulfilled keys, Returned keys and Activation Enabled keys.

		Key	rs Count		
FFRL_Porkal FFRL_Microsoft Agreement 5000043798	2 Total	2 Fulfilled	0 Returned	0 Activation Enabled	TEST

- Fulfilled Keys that are fulfilled by FFKI
- Returned Keys that are returned to Microsoft
- Activation Enabled CBR acknowledgement by Microsoft that are ready to be activated

4.6 KEY TRANSACTION

Description:

This section allows the partners to view the CBR and PBR transactions performed from MSC, in dashboard partner will be able view the latest 5 transactions, however partners can view all the transactions by navigating to the page.

Tool tip: See the latest five transactions submitted for CBR, PBR and monitor the progress of these transactions till completion. **Step-by-Step:**

1. Log into Smart Client using FFKI partner account credentials.



2. FFKI Partner will see the below Dashboard screen after logging into the Smart Client.



3. From Key transaction section, partner can view the latest 5 transactions.

ast 5 Trar	nsaction(s) Summa	гу			View All Trar	nsactions [
PBR	Initiated	Submitted	Inprogress	ACK Received	Completed	
CBR	Initiated	Submitted	Inprogress	ACK Received	Completed	Z
CBR	Initiated	Submitted	Inprogress	ACK Received	Completed	
CBR	Initiated	Submitted	Inprogress	ACK Received	Completed	Z

4. Click on view transaction to view the keys associated with this transaction.

				Keys Cou	int		
KI_sagnik ffki_Microsoft Agreement 5200	003543 🔻		6000	5971	0	17	TEST
			Total	Fulfilled	Returned	Activation Enabled	- Environment
Transaction search mode is o	on. Now search key(s) with	nin transaction. To return to nor	mal search, please click on Reset Button				×
Key Status	MSFT Product Ke	ey ID MS	Order Number	Product Key	Serial Num	ber	Reset
Кеу Туре	Call Off Reference	e Number OE	M Part Number	MS Product Key Id From	Hardwatre	Hash	
PBR Binding Status	▼ OEM PO Number	r Lice	ensable Part Number	MS Product Key Id To	Tracking In	fo	Q Search
Advanced Search							
MS Product Key Key Type	Key Status	Product Key	Licensable Name	Licensable Part Number	OEM PO Number	OEM Part Number Call O	ff Reference Number
3258631316866 Standard	ActivationEnabled	XXXXX-XXXXX-XXXXX-XXXXX-GC	CQDQ WINHMENTTBLT2N110OLCOA3	KJ7-00001	W10-46583-20000		
3258708017363 Service	FulFilled	XXXXX-XXXXX-XXXXX-XXXXX-B4	G3Q WINHMENTTBLT2N10DM100LC0	A3 LD9-00001	M1065-BBY201509		
H • 1 H Page 1	of 1 Page Size				<u>+</u>	Export Search Results	Report Return

© 2018 All Rights Re

5. To view all the transactions, click on view all transaction.

Internet Connection



Online	CE	3R		PBR		Re	vert	Return	To ULP	Inform	ation		OA 3.0 Tool		Page
Search Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	A Keys	L By Quantity	Edit Optional Info	Update OHR	By Keys	EQ By Quantity		5 Refresh
									Keys	Count					
EEKI campik ffki Microre	oft Agreement	5200002542	1			6000		59	71	0		17	,	TEST	
TTRI_Sagnik Inki_Wicrosk	Jit Agreemen	. 5200003545				Total		E. H	bolli	Potur	hod	Activation F	nabled	Environr	nent
						IUtai		Fui	meu	Return	ieu	Activation E	habled		
All Key Transact	tion(s)														
		_													
Search by Transac	ction Type	From Date		To Date											
All	•	Search by Crea	ated date 🛛 🛤	Search by Create	d date 📕	Search 🔍	Reset 🖒								
									54						
Type Status	Unique I	D	_		Total Count Co	mpleted Coun	t Created Date	_	Submitted [Date ,	Acknowlegdemer	nt Date Co	ompleted Date	Act	tion
PBR Initiated	CD20462	F-3966-4271-A	E65-C51484DE	E0B73	2 0		10/26/2018 9	9:23:17 AM						6	2
CBR Submitted	A11B959	4-DD4A-4CE5-8	8230-4CFC9603	3F93F	9 0		10/5/2018 9:	40:44 AM	10/5/2018	10:10:00 AM				E	2
CBR Inprocess	FA0B88F	D-B2AD-42F3-A	AA4D-D6C52FC	A5CAA	10 7		10/5/2018 9:	37:04 AM	10/5/2018	10:09:58 AM	10/5/2018 6:02:1	.8 PM		6	2
CBR Completed	99859D0	E-25EA-4F3C-B	322A-1D7202C:	1E70D	5 5		10/1/2018 3:	35:37 PM	10/1/2018	3:42:31 PM	10/1/2018 4:53:0	18 PM 10	0/1/2018 4:53:08 PM		2
PBR AckReceive	d 231A267	6-F3C0-4671-A	F1E-53779387	709F	4 4		10/1/2018 3:	35:30 PM	10/1/2018	4:51:17 PM	10/1/2018 4:52:4	4 PM			2
H 4 1 + H	Page 1	of 1 10	•												
		Page	Size												

2018 All Diabte Deconued					
	All Rights Reserved	Right	All	2018	©

You can see the last five transactions in any status. Below are the list of transaction states:

TRANSACTION STATUS

1. Initiated:

When partner submit CBR/PBR for the first time, the key transaction state is created with Initiated status.

2. Submitted:

Internet Connection

Once the key related to the respective transaction (CBR/PBR transaction) are successfully submitted to MDOS for further process, the transaction state is updated to 'Submitted' state.

3. In process:

For the group of CBR/PBR reported by the partner, if partial keys are reported successfully and few keys are still pending to be reported, the transaction state will be '**In process'** state.

4. ACK Received (Acknowledgement Received):

Once the acknowledgement of the group of keys (CBR/PBR reported by the partner) retrieved successfully, the transaction state will update to **'ACK received'**.

5. Completed:

Once the transaction is complete for the group of PBR/CBR submitted by the partner, the Transaction will be update to completed state.

SECTION 5. KEY OPERATIONS

5.1GET KEYS

Description:

Get Keys allows keys that have been assigned to FFKI by their ULP partner from MDOS Cloud to be downloaded and fulfilled to the MDOS Smart Client following the SLA's of the ULP.

Step-by-Step:

1. Log into Smart Client using FFKI partner account credentials.



2. FFKI Partner will see the below Dashboard screen after logging into the Smart Client.

icros	oft Digital (Operations S	ervices Smart Clie	ent														– x
- Micro	osoft													۵	0 F	* •	<mark>.∮⁷¹</mark> ⑦	*
Online		C	BR		PBR		Re	vert	Returi	I TO ULP		Informat	ion		OA 3.0 Tool			Page
Q [Search Ge	t Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	▲ By Keys	t By Quantity	Edit Optic	onal Info	Update OHR	By Keys	EQ By Quantity	Ir	nport	S Refresh
										Keys	Count							
FFKI_v-sagsa	ah_Microsof	ft Agreement	5000044083 🔻				1			1		0		0		ſ	TEST	
	-	-					Total		Ful	illed		Returned	đ	Activation En	abled		Environme	ent
KEYS O	VERVIEW							ast 5 Transa	ction(s) Sum	many								
					1 FUL	FILLED		ast 5 mansa	cuon(s) sum									
			1 KEYS								r	No Trans	saction(s) Fo	bund				
NOTIFI	ICATION																	
			Fulfilled	Кеу	(1)	Consumed Ke	Ŷ	D	Bound Key		1		Exception		1			
			1 Ki	eys stuck in fulfilled	status	0 Keys stu	ick in consumed st	atus	O CBR s inform	ubmitted without 0 nation	DHR		Daily nu failed co	mber of MDOS serv onnection(s) for toda	ices 8y			
			Viev	w Fulfilled Key D	2	View Cons	sumed Key 🗹		Vie	v Bound Key 🛛			View	Exception(s)				
								© 2018 All Ri	ahts Reserved							Intern	net Connecti	on 📲

3. After that, select the appropriate business from which to download the keys in smart client as shown in the below screen.

Microsoft Digital Operations Serv	vices Smart Client												– x
										谷	•• ►	* 🔺 🗂 🔿	
Online CBR	2	PBR		Re	vert	Returr	To ULP	Infor	mation		OA 3.0 Tool		Page
Search Get Keys By Keys	By Quantity By Keys	By Quantity	Import PBR	By Keys	By Quantity	L By Keys	t By Quantity	Edit Optional Ir	fo Undate OHR	EQ By Keys	EQ By Quantity	Import	5 Refresh
		-,,		- / / -	-,,	-77-	Keys	Count		-7	-,,		
FFKI_v-sagsah_Microsoft Agreement 50	000044083 🔻			1			ı İ		D	0		TEST	ment
				Total		Fulf	illed	Retu	rned	Activation Er	nabled		
KEYS OVERVIEW					Last 5 Transa	ction(s) Sum	mary						
KE	1 TYS							No Tr	ansaction(s) Fe	bund			
NOTIFICATION													
	Fulfilled Key	1	Consumed Key	1	1	Bound Key		1	Exception		1		
	1 Keys stuck in fulfilled s	status	0 Keys stud	ck in consumed st	atus	O CBR s inform	ubmitted without (nation	DHR	O Daily n failed c	umber of MDOS serv onnection(s) for tod	vices Jay		
	View Fulfilled Key 🛛		View Const	umed Key 🗷		Viev	Bound Key 🗹		View	Exception(s) 🗹			
					© 2018 All Ri	ghts Reserved						Internet Conne	ction _{ut}

4. From the dashboard view, click on Get Keys to download the keys, which are assigned by ULP to FFKI partner.

	Mic Mic	crosoft Digital	Operations Se	rvices Smart Clien													– x
	Mi	crosoft												<u>ہ</u>	6 F ¹ 3	🖌 🔺 🤅	
Ī	On	line	(BR		PBR		R	evert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
I	Q	Č			Ē		Ď	4		<u></u>	<u>ئ</u>		Ø	<u>=0</u>	≡Q	ţ	5
	Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

5. A confirmation window will pop up to confirm your Key Request. Click CONFIRM.

			Keys Cou	unt		
FFKI_v-sagsah_Microsoft Agreement 50000	44083 🔻	1	1	0	0	TEST Environment
		Total	Fulfilled	Returned	Activation Enabled	
KEYS OVERVIEW	1 FUL	FILLED Last 5 Tran	nsaction(s) Summary			
L KEYS		Confirm before Are you sure you w CANCEL	Get Keys X ant to continue with get keys ? CONFIRM	No Transaction	n(s) Found	
NOTIFICATION						
	Fulfilled Key	Consumed Key (1)	Bound Key	(i) Except	tion ()	
	1 Keys stuck in fulfilled status	Keys stuck in consumed status	CBR submitted without OHR information	0	Daily number of MDOS services failed connection(s) for today	
	View Fulfilled Key 🗹	View Consumed Key 🛽	View Bound Key 🗹		View Exception(s)	

6. A message confirming key request has been sent will pop up. Click OK.

FFKI_v-sagsah_Microsoft Agreement 500004	44083 🔻	1 Total	1 Fulfilled	0 Returned	0 Activation Enabled	TEST Finvironment
KEYS OVERVIEW		FILLED	action(s) Summary	No Transaction(s) Found	
NOTIFICATION	Fulfilled Key ① Keys stuck in fulfilled status View Fulfilled Key 12	Consumed Key ① O Keys stuck in consumed status View Consumed Key 12	Bound Key CBR submitted without OHR Information View Bound Key [2]	Exception D T	n () Nily number of MDOS services Niled connection(s) for today View Exception(s) (2	

- 7. Please follow below steps:
 - **a.** If keys are available, they will show up in dashboard within 2-3 minutes.
 - **b.** If keys are not yet available for fulfillment, you may need repeat steps again after 10 minutes.

5.2 SEARCH KEYS

Description:

The Search Key allows users to search for keys based on search parameters and perform key operations such as RECALL, REPORT, RETURN, etc. from the search screen.

Search fields include the following fields and options:

- KEY TYPE -
 - Standard (i.e. Windows OS)
 - Service (i.e. Office products, XBOX, other add-ons)
 - MBR Motherboard Replacement
 - MAT Multiple Activation Test
- KEY STATUS Includes: Activation Denied, Activation Enabled, Activation Enabled Pending Update, Assigned, Bound, Consumed, FFKI Fulfilled, Fulfilled, Marked for Return, Marked for Submit, Notified Bound, Reported Bound, Reported Returned, Returned.
- OEM PO NUMBER The Purchase Order (PO) number assigned when order is placed
- OEM PART NUMBER The unique ID assigned by MSFT for an ordered Sku
- LICENSABLE PART NUMBER Unique ID assigned by Microsoft.
- CALL OFF REFERENCE NUMBER The number assigned in MDOS once the Call Off order has been placed.
- MICROSOFT ORDER NUMBER Order number received from Microsoft after an order is placed.
- MICROSOFT PRODUCT KEY ID Shortened number associated with the long Product Key ID.
 - Long Product Key ID is the 25-character product key, also referred to as a 5x5 key, formatted as XXXXX-XXXXX-XXXXX-XXXXXXXXXXX, which Microsoft provides to activate a single copy of Windows on a computer)

There are also additional search options when you open a new window with Advanced Search fields:

 ADVANCED SEARCH - You may search by PRODUCT KEY ID FROM, PRODUCT KEY ID TO, MASKED PRODUCT KEY, DPK LABEL, HARDWARE HASK, OEM RMA (Return Merchandise Authorization) NUMBER.

1. Click on the search icon to view search fields

Microsoft Digital O	perations Ser	vices Smart Client													
Microsoft												ŵ •	o 🏲 ¹	* 📲	0 🛓
Online	C	BR		PBR		Re	evert	Retur	n To ULP	Informa	rtion		OA 3.0 Tool		Pag
h Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	Sy Keys	By Quantity	L By Keys	By Quantity	Edit Optional Info	Update OHR	EQ By Keys	EQ By Quantity	Import	E
									Keys (Count					
_ffki_amolD_Microsr	oft Agreement	5000044078 🔻				8		4	в	0		0		PRO	DD
									an a					· Enviro	nment
Note : Please	e select form	factor class option	on to unlock fo	orm factor sub c	lass option for m	Tota ore refined se	al earch.	Fulf	nied	Returned		Activation Enable	ed		×
Note : Please	e select form	factor class option	on to unlock fo	erm factor sub c	lass option for m	Tota ore refined sea rder Number	al earch.	Fulf	nied ct Key	Returned	Serial Number	Activation Enable	ed	Reset	×
Note : Please Key Status Key Type	e select form	factor class option	on to unlock fo FT Product Key I Off Reference	orm factor sub c ID Number	lass option for m	Tota ore refined sec rder Number Part Number	al tarch.	Produce MS Pro	tt Key oduct Key Id From	Keturned	Serial Number Hardwatre Hash	Activation Enable		Reset	×
Note : Please Key Status Key Type PBR Binding Status	e select form	factor class option	on to unlock fo FT Product Key I Off Reference M PO Number	<mark>rm factor sub c</mark> ID Number	lass option for m MS O OEM Ucens	Tota nore refined sec rder Number Part Number sable Part Numl	al arch. ber	Product	tt Key oduct Key Id From oduct Key Id To	Keturned	Serial Number Hardwatre Hash Tracking Info	Activation Enable		Reset	×
Note : Please Key Status Key Type PBR Binding Status Advanced Search	e select form	factor class option	on to unlock fo FT Product Key I Off Reference M PO Number	ITM factor sub c	lass option for m MS O OEM Ucens	Tota ore refined sec rder Number Part Number sable Part Numl	al earch.	Produce MS Produce MS Produce	nied ct Key aduct Key Id From aduct Key Id To	Neturned	Serial Number Hardwatre Hash Tracking Info	Activation Enable		Reset	×
Note : Please Key Status Key Type PBR Binding Status Advanced Search MS Fulfilled Date	e select form	factor class option MS Cal Cal Cal Tage	FT Product Key I Off Reference M PO Number	ID Number	Alass option for m MS O. OEM Ucens	Tota ore refined sec rder Number Part Number sable Part Numl	al earch. ber	Produce Produce MS Pro Manufacture	rt Key oduct Key Id From oduct Key Id To r Geolocation	Neturned	Serial Number Hardwatre Hash Tracking Info SKU Number	Activation Enable	rannel Relation	Reset Q Search	×

Key Status		▼ Ats	FT Product Key ID	MS Order Number		Product Key		Serial Number	Reset
Кеу Туре		Col	Off Reference Number	OEM Part Number		MS Product Key Id From		Hardware Hash	and the second se
PBR Binding Status		▼ 0E	M PO Number	Licensable Part Number		MS Product Key Id To		Tracking Info	Q. Search
Total Key Count : 50 MS Product Key 2961048232632	547 Key Type Service	Key Status FulFilled	Product Key XXXXXX-XXXXX-XXXXXX-XXXXXX	Licensable Name 0365P Sub OLC 0A3 PTK AFOLB	Ucensable Part Number 7(4-00013	OEM PO Number 4TH JAN 2019	OEM Part Number	Call Off Reference Number	ch Results i Poot (
Total Key Count : 50 MS Product Key 2961048232632 2961048232633	S47 Key Type Service Service	Key Status FulFilled Return To ULP	Product Key 20000-20000-20000-20000-20000 20000-20000-20000-20000-20000	Licensable Name 0365P Sub OLC OA3 PTK AFOLB 0365P Sub OLC OA3 PTK AFOLB	Ucensable Part Number 7L4-00013 7L4-00013	OEM PO Number 4TH JAN 2019 4TH JAN 2019	OEM Part Number	Lait Off Reference Number	ch.Results Filiport (
Total Key Count : 50 MS Product Key 2961048232632 2961048232633 2961048232633 2961048232633	547 Key Type Service Service Service	Key Status FulFilled Return To ULP FulFilled	Product Key 20008-30008-30008-30008-30008 30008-30008-30008-30008-30008	LICERSIBLE Name O365P Sub OLC OA3 PTK AFOLB O365P Sub OLC OA3 PTK AFOLB O365P Sub OLC OA3 PTK AFOLB	Licensable Part Number 7L4-00013 7L4-00013 7L4-00013	OEM PO Number 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019	OEM Part Number	Export Searc	ch Results Happert (
Total Key Count: 50 MS Product Key 2961048232632 2961048232633 2961048232633 2961048232634 3258505707451	547 Key Type Service Service Service Standard	Key Status FulFilled Return To ULP FulFilled Return To ULP	Product Key 2000-2000-2000-2000-2000-2000 2000-2000-2000-2000-2000 2000-2000-2000-2000	Licensable Name O365P Sub OLC OA3 PTK AFOLB O365P Sub OLC OA3 PTK AFOLB O365P Sub OLC OA3 PTK AFOLB WIN HOME 10 OLC OA3 PTK	Ucensible Part Number 7L4-00013 7L4-00013 7L4-00013 7L4-00013 KW9-00004	OEM PO Number 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019	OEM Part Number	Export Searc	ch Results Happent (
Total Key Count : \$0 M5 Product Key 2961048232632 2961048232633 2961048232634 3258505707451 3258505707452	547 Service Service Service Standard Standard	Key Status FulFilled Return To ULP FulFilled Return To ULP Marked For Submit	Product Key 2000-2000-2000-2000-2000-2000 2000-2000-2000-2000 2000-2000-2000-2000 2000-2000-2000-2000	Licentable Name 0365P Sub OLC OA3 PTK AFOLB 0365P Sub OLC OA3 PTK AFOLB 0365P Sub OLC OA3 PTK AFOLB WIN HOME 10 OLC OA3 PTK WIN HOME 10 OLC OA3 PTK	Licensable Part Number 7L4-00013 7L4-00013 7L4-00013 KW9-00004 KW9-00004	OEM PO Number 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019	OEM Part Number	Lafr Off Reference Number	ch.Results risport (
Total Key Count : SC MS Product Key 2961048232632 2961048232633 3258505707451 3258505707452 3258505707452	547 Key Type Service Service Standard Standard Standard Standard	Key Status FulFilled Return To ULP FulFilled Return To ULP Marked For Submit Marked For Submit	Product Key XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Licensable Name D3659 Sub OLC OA3 PTK AFOLB O3659 Sub OLC OA3 PTK AFOLB O3659 Sub OLC OA3 PTK AFOLB WIN HOME 10 OLC OA3 PTK WIN HOME 10 OLC OA3 PTK WIN HOME 10 OLC OA3 PTK	Licensable Part Number 7L4-00013 7L4-00013 7L4-00013 KW9-00004 KW9-00004 KW9-00004	OEM PO Number 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019 4TH JAN 2019	OEM Part Number	Expert Searc Gall Off Reference Number	ch.Results Happort (
Total Key Count: SC MS Product Key 2961048232632 2961048232633 2961048232634 3258505707451 3258505707452 3258505707452 3258505707452 3258505707452 3258505707452	547 Key Type Service Service Standard Standard Standard Standard Standard	Key Status FulFilled Return To ULP FulFilled Return To ULP Marked For Submit Marked For Submit Return To ULP	Product Key 2000-2000-2000-2000-2000-2000 2000-2000-2000-2000-2000 2000-2000-2000-2000-2000 2000-2000-2000-2000-2000 2000-2000-2000-2000-2000	Licensable Name 03655 Sub OLC OA3 PTK AFOLB 03655 Sub OLC OA3 PTK AFOLB 03655 Sub OLC OA3 PTK AFOLB WIN HOME 10 OLC OA3 PTK WIN HOME 10 OLC OA3 PTK WIN HOME 10 OLC OA3 PTK WIN HOME 10 OLC OA3 PTK	Licensable Part Number 714-00013 714-00013 714-00013 KW3-00004 KW3-00004 KW3-00004 KW3-00004	OEM PO Number 4TH JAN 2019 4TH JAN 2019	OEM Part Number	Export Searc	in Results in point (
Total Key Count: SC MIS Product Key 2961048232632 2961048232633 2961048232634 3258505707451 3258505707452 3258505707452 3258505707453 3258505707453 3258505707454	547 Key Type Service Service Standard Standard Standard Standard Standard Standard	Key Status Fulfilled Return To ULP Fulfilled Return To ULP Marked For Submit Return To ULP Return To ULP	Product Key 2000-5.0000-300000-30000-300000-300000-300000-300000-300000-300000-300000-300000-3000000	Lossnakle Name 03559 Sub OLC OA3 PTK AFOLB 03559 Sub OLC OA3 PTK AFOLB 0359 Sub OLC OA3 PTK AFOLB WIN HOME 10 OLC OA3 PTK WIN HOME 10 OLC OA3 PTK	Licensable Part Number 7L4-0013 7L4-0013 XW9-00004 XW9-00004 XW9-00004 XW9-00004 XW9-00004 XW9-00004	OEM PO Number 4TH AM 2019 4TH JAN 2019	OEM Part Number	Export Searc	ingent (

Tip Tool: Use Search functionality to find keys based on search parameters and perform key operations such as ASSIGN, RECALL, REPORT, RETURN, etc. from the search screen.

Step-by-Step:

1. From the dashboard view, select the business from the Business dropdown menu.

Microsoft Digital Operations Services Sn	nart Client												– x
- Microsoft										습	•• >	K 🔺 🚺 🔇	
Online CBR		PBR		Rev	ert	Retur	TO ULP	Inform	nation		OA 3.0 Tool		Page
Search Get Keys By Keys By Quar	ntity By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	t By Quantity	Edit Optional Inf	Update OHR	EQ By Keys	EQ By Quantity	Import	5 Refresh
							Keys	Count					
FFKI_v-sagsah_Microsoft Agreement 500004400	83 🔻			1 Total		Ful	1 illed	0 Retur	ned	0 Activation E	nabled	TEST Environ	ment
KEYS OVERVIEW													
KEIS OVERVIEW		1 FUL	FILLED		ast 5 Iransa	ction(s) Sum	mary						
								No Tra	ansaction(s) Fo	bund			
	ulfilled Key		Concurred Kou			Round Koy			Exception				
	unned key		Consumed Key			bound key		•	Exception		•		
•	1 Keys stuck in fulfilled st	atus	0 Keys stud	ck in consumed sta	tus	O CBR s	ubmitted without (nation	DHR	O Daily nu failed o	imber of MDOS ser onnection(s) for too	rvices day		
	View Fulfilled Key 🛽		View Cons	umed Key 🗷		Vie	v Bound Key 🛛		View	Exception(s) 🛽			
					© 2018 All Ri	ghts Reserved						Internet Conne	ction "I

3. Click on the search icon in the top navigation bar.

MI MI	crosoft Digital	Operations Ser	rvices Smart Client													– x
Hi	crosoft												<u>ن</u> ا	6 F ¹ *	< ▲ ¹ (
U	n ne	C	BR		PBR		Re	vert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
Q	さ	Þ		1	Ē	Ê	\$	₽	<u>+</u>	t		Ø	<u>=0</u>	≡Q	↑ L	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

4. Enter search criteria, such as Key Status, Key Type, Assigned to, MS Fullfilled date, OEM RMA Date, etc., and click on the SEARCH button.

Microsoft Digita	Operations Services	Smart Client				—							– x
Hicrosoft										<u>ن</u>	o 🏲 🕯	* 📲	? ≟
Online	CBR		PBR		Revert	Re	turn To ULP	Inform	ation		OA 3.0 Tool		Page
Q 🕹	By Keys By	Quantity By	Kevs By Quantity	tore Product	By Keys By Quar	tity By Keys	By Quantity	Edit Optional Info	Update OHR	EQ By Keys	EQ By Quantity		5 Refresh
	-,,,				-,-,-		Keys	Count		-7	-,,		
FFKI_ffki_amolD_Mic	osoft Agreement 5000	044078 🔻			8		8	0		0		PRO Enviro	D nment
					Total	1	ulfilled	Returned		Activation Enabl	ed		
Key Status		MSFT Prod	luct Key ID	MS Orde	er Number	Pro	duct Key		Serial Number			Reset	
Key Type		Call Off Rej	ference Number	OEM Pai	rt Number	MS	Product Key Id From		Hardwatre Hash				
PBR Binding Stat	15	OEM PO N	lumber	Licensab	le Part Number	MS	Product Key Id To		Tracking Info			Q Search	
Advanced Sea MS Produce	ch Key KeyType	Key Status	Product Key		Licensable Name		Licensable Part Nu	mber OEM I	PO Number	OEM Part Numb	er Call Off Re	ference Number	_
899901253	75311 Standard	Fulfilled	XXXXX-XXXXX-X	XXXX-XXXXX-JRGD	WIN HOME 10 OLC	OA3 NonAct PTK	KW9-00458	4545					
899901253	75448 MBR	Fulfilled	22222	XXXX-XXXXX-3KW	7 WIN HOME 10 OLC	OA3 NonAct PTK	KW9-00458	4343		123123			
899901253	75449 Standard	Fulfilled	XXXXX-XXXXX-X	XXXX-XXXXX-4Y4H	IH WIN HOME 10 OLD	OA3 NonAct PTK	KW9-00458	4444		123123			
899901253	75754 Standard	Fulfilled	XXXXX-XXXXX-X	XXXX-XXXXX-MQV	7H WIN HOME 10 OLC	OA3 NonAct PTK	KW9-00458	11223	33				
180106806	435 Standard	Fulfilled	XXXXX-XXXXX-X	XXXX-XXXXX-CXBV	H WIN HOME 10 OLC	OA3 NonAct PTK	KW9-00458	6565					
180106806	1435 Standard	Fulfilled	XXXXX-XXXXX-X	XXXX-XXXXX-7C9X	7 WIN HOME 10 OLC	OA3 NonAct PTK	KW9-00458	53453	3				
325850548	1879 Standard	Fulfilled	XXXXX-XXXXX-X	XXXX-XXXXX-V6DE	DQ WIN HOME 10 OLC	OA3 PTK	KW9-00004	27JUN	NE				
	Page 1 o	f 1 Page Size							🛨 Expo	ort Search Resul	<mark>ts</mark> Repo	rt I	Return

5. Search results will display all the keys based on the search criteria. The total number of keys found within the search parameters will also be displayed.

Key Status			MSFT /	Product Key ID	MS Order Number		Product Key		Serial Number		Reset
Кеу Туре			🔻 Cali Of	f Reference Number	OEM Part Number		MS Product Key Id From		Hardware Hash		1000
PBR Binding Sta	atus		TOEM P	Ø Number	Licensable Part Number		MS Product Key Id To		Tracking Info		Q Search
Advanced Sea	arch										
Total Key Co	ount : 5054	47								Export Search Results	Report N
MS Produc	ct Key Ke	еу Туре К	ley Status	Product Key	Licensable Name	Licensable Part Number	OEM PO Number	OEM Part Number	Call Off Reference Nur	nber	
29610482	32632 Se	ervice F	ulFilled	XXXXXX-XXXXXX-XXXXXX-XXXXXX-XXXXXXX	O365P Sub OLC OA3 PTK AFOLB	7L4-00013	4TH JAN 2019				
29610482	32633 Se	ervice R	leturn To ULP	X0000X-X0000X-X0000X-X0000X-X0000X	O365P Sub OLC OA3 PTK AFOLB	7L4-00013	4TH JAN 2019				
29610482	32634 Se	ervice F	ulFilled	300001-300001-300001-300001-300001	0365P Sub OLC OA3 PTK AFOLB	7L4-00013	4TH JAN 2019				
325850570	07451 St	tandard R	leturn To ULP	XXXXXX-XXXXXX-XXXXXX-XXXXXX-94R7D	WIN HOME 10 OLC DA3 PTK	KW9-00004	4TH JAN 2019				
32585057	07452 St	tandard N	Marked For Submit	X0000X-X0000X-X0000X-X0000X-9KXQQ	WIN HOME 10 OLC DA3 PTK	KW9-00004	4TH JAN 2019				
325850570	07452 St	tandard N	Marked For Submit	20000X-20000X-200XXX-20000X-9KXQQ	WIN HOME 10 OLC OA3 PTK	KW9-00004	4TH JAN 2019				
325850570	07453 St	tandard R	leturn To ULP	10000K-30000K-30000K-30000K-DV63Q	WIN HOME 10 OLC OA3 PTK	KW9-00004	4TH JAN 2019				
	07454 St	tandard R	leturn To ULP	X0000X-X0000X-X0000X-X0000X-WXCHD	WIN HOME 10 OLC OA3 PTK	KW9-00004	4TH JAN 2019				
325850570		tandard R	leturn To ULP	XXXXXX-XXXXXX-XXXXXXX-XXXXXXX-XXXXXXXX	WIN HOME 10 OLC OA3 PTK	KW9-00004	4TH JAN 2019				
32585057	07455 St										

6. Keys can then be selected to perform other operations like Export, Assign, Recall, etc.

Microsoft Digital Oper	rations Services Sm	nart Client			_	_							– x
Hicrosoft										<u>ل</u> اً ک	> F¹ >	< <mark>≜</mark> 1 (0
Online	CBR		PBR	R	evert	Ret	urn To ULP	In	formation		OA 3.0 Tool		Page
Q 77 [1		Fi 🖺	4		↑ .	it.		Ű	=0	≡Q		.5
Search Get Keys By	v Kevs By Ot	uantity By Keys	By Quantity Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optiona	I Info Update OH	By Keys	By Quantity	Import	Refresh
		-										Search	^
PBR Binding Status		OEM PO Number	Licen	able Part Numi	per	MS P	roduct key la lo		Tracking Info				
 Advanced Search 													
MS Product Key	Key Type	Key Status	Product Key	Licens	able Name	_	Liconsoble Part Nur	mbor	DEM PO Number	OEM Part Numbe	Call Off Pafe	rence Number	- 11
R 899901252275211	1 Standard	Fulfilled		PGDV WIN H	IOME 10 OLC OAR N	onAct PTK	KW9-00458	inder i	1545	OLWIPHICIUMIDE	Call Off Nere	arence waniber	
9999012527531	1 Standard	Fulfilled			IOME 10 OLC OAS N	onAct DTK	KW9-00458		1545				
8999012527544		Fulfilled		20V7 WIN L	IOME 10 OLC OAS N	onAct PTK	KW9-00458		1444	122122			
89990125327544	9 Standard	Fulfilled	XXXX-XXXX-XXXX-XXXX-XXXX-		IOME 10 OLC OAB N	onAct PTK	KW9-00458		1444	122122			
89990125327575	4 Standard	Fulfilled	*****	40V7H WIN H	IOME 10 OLC OAS N	onAct PTK	KW9-00458		112233	123123			
1801068064435	Standard	Fulfilled	*****	XBVH WINH	IOME 10 OLC OAS N	onAct PTK	KW9-00458		565				
1801068064435	Standard	Fulfilled	XXXXX-XXXXX-XXXXX-XXXXX-	C9X7 WIN H	OME 10 OLC OA3 N	onAct PTK	KW9-00458		3453				
3258505488879	Standard	Fulfilled	XXXXX-XXXXX-XXXXX-XXXXX-X	6DDQ WIN H	OME 10 OLC OA3 P	тк	KW9-00004		27JUNE				
-		_											
14 4 1	Page 1 of 1	10 -							± Expor	t Search Results	Report	Retu	im
		Page Size											
Key Details Key History	Optional Informat	tion											
Кеу Туре	Key St	tatus	Fulfillment Date										
Standard	Fulfille	ed	4/4/2018 12:20 PM										
Product Key ID	134591	13											^
Product Key	XXXXXX-	-XXXXX-XXXXX-XXXXX-JRGDV										View Ke	У
Licensable Part Number	KW9-00	0458											
OEM PO Number	4545												
Serial Number													
Call Off Reference Number													
OFM Part Number	WIN HO	UNIE 10 OLC OA3 NonAct PTK											
MSFT Product Key ID	899901	1253275311											v
												_	

1. Check the box(es) to select keys and view key information. Note: Only information for one key can viewed at a time.

Mie	rosoft										<u>م</u>	o ┣╹ ≯	K 🐥 🦉 🕅	2
On	ine	CBR		PBR		Revert	Ret	urn To ULP	Informa	ation		OA 3.0 Tool		Pa
) Irch	Get Keys E	y Keys By Q	uantity By Keys	By Quantity Sto	Dre Product E	by Keys By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	EQ By Quantity	Import	Refr
								Keys	Count					
KI_ffki	_amolD_Microsoft	Agreement 5000044	4078 🔻			8 Total	F	8 ulfilled	0 Returned		0 Activation Enable	ed	PROE Environ	D nment
Key	Status		MSFT Product K	'ey ID	MS Order I	Number	Pro	duct Key		Serial Number			Reset	
Key	Туре		Call Off Referen	ce Number	OEM Part I	Number	MS	Product Key Id From	,	Hardwatre Hash				
PBP	Binding Status		▼ OEM PO Numbe	er.	Licensable	Part Number	MS	Product Key Id To		Tracking Info			Q Search	
▼ Ad	vanced Search													
	MS Product Key	Кеу Туре	Key Status	Product Key	_	Licensable Name	_	Licensable Part Nu	mber OEM F	O Number	OEM Part Numbe	r Call Off Ref	erence Number	-
☑	89990125327531	1 Standard	Fulfilled	XXXXX-XXXXX-XXX	XX-XXXXX-JRGDV	WIN HOME 10 OLC OA3	NonAct PTK	KW9-00458	4545					
✓	89990125327531	2 Standard	Fulfilled	XXXXX-XXXXX-XXX	XX-XXXXX-3KW3V	WIN HOME 10 OLC OA3	NonAct PTK	KW9-00458	4545					
	89990125327544	8 MBR	Fulfilled	XXXXX-XXXXX-XXX	XX-XXXXX-929X7	WIN HOME 10 OLC OA3	NonAct PTK	KW9-00458	4444		123123			
	89990125327544	9 Standard	Fulfilled	XXXXX-XXXXX-XXX	XX-XXXXX-4Y4HH	WIN HOME 10 OLC OA3	NonAct PTK	KW9-00458	4444		123123			
	89990125327575	4 Standard	Fulfilled	XXXXX-XXXXX-XXX	XX-XXXXX-MQV7H	WIN HOME 10 OLC OA3	NonAct PTK	KW9-00458	11223	3				
	1801068064435	Standard	Fulfilled	XXXXX-XXXXX-XXX	XX-XXXXX-CXBVH	WIN HOME 10 OLC OA3	NonAct PTK	KW9-00458	6565					
	1801068064435	Standard	Fulfilled	XXXXX-XXXXX-XXX	XX-XXXXX-7C9X7	WIN HOME 10 OLC OA3	NonAct PTK	KW9-00458	53453					
	3258505488879	Standard	Fulfilled	XXXXX-XXXXX-XXX	XX-XXXXX-V6DDQ	WIN HOME 10 OLC OA3	РТК	KW9-00004	27JUN	E				
14	(1 H	Page 1 of 1	10 Page Size							± Exp	ort Search Result	ts Repor	i R	Return
					Plaaca	coloct one row	to view	the key de	tails					

Display the total keys count in search grid

Currently MSC does not show the total keys searched in Search screen, with this change FFKI partner will see the total key count from search key page.

Step-by-Step:

1. From the dashboard view, select the business from the Business dropdown menu.

Microsoft Digital Operations Services Smart Client								– x
Microsoft					<u>ن</u> ا	6 r x	. <mark>₹</mark> 71 (?	
Online CBR PBR		Revert	Return To ULP	Information		OA 3.0 Tool		Page
	<u>එ</u> ප්	.	<u>.</u> ↑. ,↑,		ý <u>⊨</u> Q	≡Q	⊥ L	5
Search Get Keys By Keys By Quantity By Keys By Quant	tity Import PBR By Keys	By Quantity By	y Keys By Quantity	Edit Optional Info Update	te OHR By Keys	By Quantity	Import	Refresh
			Keys	Count				
FFKI v-sagsah Microsoft Agreement 5000044083	1	ı	1	0	0		TEST	
	То	tal	Fulfilled	Returned	Activation Enab	oled	Environm	hent
KEYS OVERVIEW		Last E Transation	(a) Cumman.					
	1 FULFILLED	Last 3 Iransaction	is) summary					
NOTEICATION				No Transaction	n(s) Found			
Eulfilled Key	Consumed Key	Bo	und Key	(I) Excent	ation	•		
i annea ney	contained ney		and ney					
Keys stuck in fulfilled status	Keys stuck in consume	ed status	CBR submitted without O information	HR O	Daily number of MDOS service failed connection(s) for today	5		
View Fulfilled Key 🕑	View Consumed Key	۷	View Bound Key 🗹		View Exception(s)			
		© 2018 All Rights R	Reserved			Int	ernet Connec	tion " _{II}

3. Click on the search icon in the top navigation bar.

Mic Mic	crosoft Digital	Operations Ser	rvices Smart Clien	t				_	_							– x
Hie Mie	crosoft												<u>ہ</u>	6 P ¹ X	K . ♠ ¹ (۵ 🔒
Un	ne	c	BR		PBR		Re	evert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
Q	さ	h	T	Ē	Ē	Ď	\$	Ŧ	<u></u>	<u>ئ</u>		Ø	≡Q	≡Q	t L	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

4. You can see the total key count from search page on left top of product key list grid.

Microsoft Digital Operations Services Smart	Client												– x
										Ġ	•• ►	՝ * *	⑦ ▲
Online CBR		PBR		Rev	vert	Retur	n To ULP	Informa	tion		OA 3.0 Too		Page
Q D B C Keys By Quantity	By Keys	By Quantity Imp	Dort PBR	Sy Keys	By Quantity	t By Keys	t By Quantity	Edit Optional Info	Update OHR	EQ By Keys	By Quantity	Import	5 Refresh
							Keys	Count					
FFKI_msctestuser1@outlook.com_Microsoft Agreer	nent 50(🔻			1			0	0		0		PR	OD opmont
				Total		Ful	filled	Returne	d	Activation En	abled	- Elivin	onnen
Key Status	MSFT Product Key	ID	MS Orde	er Number		Produ	ct Key		Serial Number			Reset	
Кеу Туре 🔻	Call Off Reference	Number	OEM Pa	rt Number		MS PI	oduct Key Id From	m	Hardware Hash	h			
PBR Binding Status	OEM PO Number		Licensab	ole Part Numbe	T	MS Pr	oduct Key Id To		Tracking Info			Q Search	
Advanced Search													
Total Kay Count : 1									+ c.		eules Po	nort	Poturn
		1				_			<u> </u>	port search ke	suits No	port	Return
MS Product Key Key Type Key	Status	Product Key		Licensable N	lame	Lice	nsable Part Num	oem OEM P	O Number	OEM Part Numb	er Call Off Re	eference Number	
2625069813045 Standard Con	sumed	*****	*****	WIN HOWE	TO OLC OAS NORACI		9-00458	NEW B	ULK KEYS	NEW KEYS			
H 4 1 H Page 1 of 1	10 -												
	Page Size												

© 2018 All Rights Reserved

Internet Connection

5.3 RETURN KEYS

Description:

Return Keys allows the FFKI partner to return the keys that were assigned to them to their ULP partner from MDOS SC so that the keys will returned to MDOS Cloud.

5.2.1 Return Keys by quantity

Step-by-step:

1. From the top menu, select By quantity under Return to ULP.

Mic Mic	crosoft Digital	Operations Se	rvices Smart Client													— X
Hi	crosoft												<u>ن</u>	6 F ¹ X	. ≜ ¹ (0
On	line	(CBR		PBR		Re	evert	Return	TO ULP	Informat	ion		OA 3.0 Tool		Page
Q	4			Ē	Ē	Ď	4	₽	<u></u>	<u>ئ</u>		Ø	<u>=0</u>	≡Q	Ť	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

2. Enter the quantity of keys to be returned.

Microsoft Digital	Operations Ser	vices Smart Client	t				_								– X
- Microsoft												۵	6 F ¹ :	* 📲 (2
Online	C	BR		PBR		Re	wert	Retur	1 TO ULP	Informat	on		OA 3.0 Tool		Page
2 🕹	•		Ē	Ē	Ê	Ċ	Ŧ	<u>۴</u>	<u>ئ</u>		Ø	<u>=0</u>	≡Q	Ļ	5
arch Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh
									Keys (Count					
FKI_ffki_amolD_Micro	osoft Agreement	5000044078 🔻				8		1	F	0		0		PRO)
						Tota	al	Fulf	lled	Returned		Activation Enab	oled	· Environ	iment
Кеу Туре	_	Lice	ensable Part Nun	nber	OEM Part	Number	_	OEM PO Numb	er	Available Ke	/5		Quantity	_	- 1
Кеу Туре		Lice	nsable Part Nun	nber	OEM Part	Number		OEM PO Num	er	Available Ke	/5	C	Quantity		
Standard		KW:	9-00458					112233		1			4		
Standard		KWS	9-00004					27JUNE		1			0		
Standard		KWS	9-00458					4545		2			1		
Standard		KWS	9-00458					53453		1			0		
Standard		KWS	9-00458					6565		1			0		
Standard		KWS	9-00458		123123			4444		1			0		
MBR		KWS	9-00458		123123			4444		1			0		
H	Page 1	of 1											Reset	Return	to ULP

3. Click on Return to ULP.

Microsoft Digital Operations Services Smart Client — X															
🚼 Microsoft 🖧 🛋 📩															
Online	CBR		PBR			Revert		1 TO ULP	Information		OA 3.0 To			Page	
Q 🕹	1) 🖹	F	Ê	占	Ŧ	. .	_i t i		Ø	=0	≡Q	ĥ	5	
Search Get Keys	By Keys By Qua	ntity By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh	
Keys Count															
FFKI_ffki_amoID_Microsoft Agreement 5000044078 🔻					8			8		0		0		PROD	
			Total			Fulfilled		Activation Enabled		ed	- Liwionnen				
Key Type Licensable Part Number			OEM Part	OEM Part Number			OEM PO Number		Available Keys		uantity				
Standard		KW9-00458						112233		1		1			
Standard		KW9-00004					27JUNE		1		0				
Standard		KW9-00458						4545		2		1			
Standard	dard KW9-00458							53453		1		0			
Standard		KW9-00458						6565		1		0			
Standard		KW9-00458	123123	123123			4444		1		0				
MBR		KW9-00458	123123	123123			4444		1		0				
H • H	Reset Return to ULP														

4. A confirmation window will pop up to confirm your selection. Click CONFRIM.


5.2.2 Return Keys by Keys

Step-by-step:

1. From the top menu, select By Keys under Return to ULP.

Microsoft Digital Operations Services Smart Client —)															— X	
👫 Microsoft 👘 🕰 🗚 🖡 🖲 👗														2		
Or	line	c	BR		PBR		Re	evert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
Q	4	Þ		1	Ē	Ê	\$	₽	<u></u>	<u>ئ</u>		Ø	<u>=0</u>	≡Q	↓ L	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

2. From the More pulldown menu, select Return Keys.

Microsoft Digita	l Operations Ser	vices smart clien													
Microsoft												Ġ.	6 F ¹ X	K 🐥 1 (
Online	C	BR		PBR		R	evert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Paį
ch Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	L By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	EQ By Quantity	Import	Refr
Keys Count															
1 ffki amolD Mici	osoft Agreement	5000044078 🔻				8		8	3	0		0		PROE	
	-					Tot	al	Fulfi	illed	Returned		Activation Enab	oled	Environ	ment
Return By Keys															
▼ Search															
▼ Search															
✓ Search MS Product	Key	Pr	roduct Key ID		Product	t Key		Key Status		Кеу Туре			Licensable Part f	Number	
Search MS Product 8999012532	Key 75311	Pr 13	roduct Key ID 345913		Product XXXXXX-3	t Key XXXXX-XXXXX->	XXXX-JRGDV	Key Status Fulfilled	_	Key Type Standard	_	_	Licensable Part 1 KW9-00458	Number	
 Search MS Product 8999012532 8999012532 	Key 75311 75312	Pr 13 13	roduct Key ID 345913 345914	-	Product XXXXX-3 XXXXXX-3	: Key XXXXX-XXXXX-> XXXXX-XXXXX->	XXXX-JRGDV XXXX-JRGDV	Key Status Fulfilled Fulfilled	-	Key Type Standard Standard	_	_	Licensable Part 1 KW9-00458 KW9-00458	Number	-
 Search MS Product 8999012532 8999012532 8999012532 	Key 75311 75312 75448	Pr 13 14 14	roduct Key ID 345913 345914 412966		Product 3000X-3 3000X-3 30000-3	: Key XXXXX-XXXXX-> XXXXX-XXXXX-> XXXXX-XXXXX->	0XXXX-JRGDV 0XXXX-3KW3V 0XXXX-929X7	Key Status Fulfilled Fulfilled Fulfilled		Key Type Standard Standard MBR		-	Licensable Part 1 KW9-00458 KW9-00458 KW9-00458	Number	
 Search MS Product 8999012532 8999012532 8999012532 8999012532 	Key 75311 75312 75448 75449	Pr 1: 1: 14 14	roduct Key ID 345913 345914 412966 412967		Product X00004-3 X00004-3 X00004-3 X00004-3	: Key 0000(-30000(-3 0000(-30000(-3 0000(-30000(-3 0000(-30000(-3	00XXX-JRGDV 00XXX-3KW3V 00XXX-929X7 00XXX-929HH	Key Status Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled	-	Key Type Standard Standard MBR Standard			Licensable Part I KW9-00458 KW9-00458 KW9-00458 KW9-00458	Number	
 Search MS Product 8999012532 8999012532 8999012532 8999012532 8999012532 8999012532 	Key 75311 75312 75448 75449 7554	Pr 13 14 14 14	roduct Key ID 345913 345914 412966 412967 413022		Product X0000(-3 X0000(-3 X0000(-3 X0000(-3 X0000(-3 X0000(-3	: Key 2000(-2000(-2 2000(-2000(-2 2000(-2000(-2 2000(-2000(-2 2000(-2000(-2	000000-JRGDV 000000-3KW3V 000000-92907 000000-4Y4HH 000000-4Y4HH	Key Status Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled		Key Type Standard Standard MBR Standard Standard			Licensable Part 1 KW9-00458 KW9-00458 KW9-00458 KW9-00458 KW9-00458	Number	
 Search MS Product 8999012532 8999012532 8999012532 8999012532 8999012532 8999012532 1801068064 	Key 75311 75312 75448 75449 75754 435	Pr 13 14 14 14 14	roduct Key ID 345913 345914 412966 412967 413022 413026		Product 20000-1 20000-1 20000-1 20000-1 20000-1 20000-1 20000-1 20000-1	: Key X0000(-X0000(-) X0000(-X0000(-) X0000(-X0000(-) X0000(-X0000(-) X0000(-X0000(-)	0000X-JRGDV 0000X-34W3V 000X-32927 000XX-4Y4HH 0000X-MQV7H 000XX-CXBVH	Key Status Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled		Key Type Standard Standard MBR Standard Standard Standard			Licensable Part 1 KW9-00458 KW9-00458 KW9-00458 KW9-00458 KW9-00458 KW9-00458	Number	
 Search MS Product 8999012532 8999012532 8999012532 8999012532 8999012532 1801068064 1801068064 	Key 75311 75312 75448 75449 75754 435 435	Pr 15 14 14 14 14 14 14	roduct Key ID 345913 345914 412966 412967 413022 413026 480184		Product 20000-3 20000-3 20000-3 20000-3 20000-3 20000-3 20000-3	: Key XXXXX-XXXXX-X XXXXX-XXXXXX-X XXXXXX-XXXXXX	0000X-JRGDV 0000X-3KW3V 000X-329X7 000X-4Y4HH 000XX-4MQV7H 000X-CXBVH 000X-CXBVH 000X-C2SX7	Key Status Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled		Key Type Standard MBR Standard Standard Standard Standard Standard			Licensable Part 1 KW9-00458 KW9-00458 KW9-00458 KW9-00458 KW9-00458 KW9-00458 KW9-00458	Number	
 Search MS Product 8999012532 8999012532 8999012532 8999012532 8999012532 1801068064 1801068064 3258505488 	Key 75311 75312 75448 75749 75754 435 435 435 435 879	Pr 15 14 14 14 14 14 14 14 14 14 14 14 14	roduct Key ID 345913 345914 412966 412967 413022 413022 413026 480184 568595		Product 30000-3 30000-3 30000-3 30000-3 30000-3 30000-3 30000-3 30000-3	: Key 0000(-3000(-3 0000(-3000(-3 0000(-3000(-3 0000(-3000(-3 0000(-3000(-3 0000(-3000(-3	0000X-JRGDV 0000X-3KW3V 000X-929X7 000X-424HH 000X-7KWH 000X-7CWH 000X-7CST 000X-Y6DDQ	Key Status Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled Fulfilled		Key Type Standard MBR Standard Standard Standard Standard Standard Standard			Licensable Part I KW9-00458 KW9-00458 KW9-00458 KW9-00458 KW9-00458 KW9-00458 KW9-00458 KW9-00458	Number	

3. Enter the search criteria and Click on the SEARCH button.

Microsoft Digital Operations Services Smart Client		_	_			– x					
Hicrosoft					ራ 🕶 🏲 🕺	🕻 🐥 🏾 🕐 👗					
Online CBR	PBR	Revert	Return To ULP	Information	OA 3.0 Tool	Page					
Q L E E Search Get Keys By Keys By Quantity	By Keys By Quantity Store	Product By Keys By Quantity	By Keys By Quant	ity Edit Optional Info Update OHR	By Keys By Quantity	Import S Refresh					
FFKI_ffki_amolD_Microsoft Agreement 5000044078 🔻		8 Total	Ke 8 Fulfilled	o Returned	0 Activation Enabled	PROD Environment					
Total Fulfilled Returned Activation Enabled Return By Keys											
MS Fulfilled Date	Product Key	MS Product Key Id From		MS Product Key Id To	Reset						
From	MSFT Product Key ID	OEM Part Number		Кеу Туре	▼ Q Search						
То н	OEM PO Number	Licensable Part Number		PBR Status	•						
MS Product Key Pro	oduct Key ID	Product Key	Key Status	Кеү Туре	Licensable Part N	umber					
899901253275311 134	45913	XXXXX-XXXXX-XXXXX-XXXXX-JRGDV	Fulfilled	Standard	KW9-00458						
899901253275312 134	45914	XXXXX-XXXXX-XXXXX-XXXXX-3KW3V	Fulfilled	Standard	KW9-00458						
899901253275448 141	12966	XXXXX-XXXXX-XXXXX-XXXXX-929X7	Fulfilled	MBR	KW9-00458						
899901253275449 141	12967	XXXXX-XXXXX-XXXXX-XXXXX-4Y4HH	Fulfilled	Standard	KW9-00458						
899901253275754 141	13022	XXXXX-XXXXX-XXXXX-XXXXX-MQV7H	Fulfilled	Standard	KW9-00458						
1801068064435 141	13026	XXXXX-XXXXX-XXXXX-XXXXX-CXBVH	Fulfilled	Standard	KW9-00458						
1801068064435 148	80184	XXXXX-XXXXX-XXXXX-XXXXX-7C9X7	Fulfilled	Standard	KW9-00458						
3258505488879 256	68595	XXXXX-XXXXX-XXXXX-XXXXX-V6DDQ	Fulfilled	Standard	KW9-00004						
H C I M Page 1 of 1 Page 9	Reset	Return to ULP									

4. All keys eligible for return will display in the table.

5. Check the box(es) to the select KEY IDs you would like to return.

Microsoft Digital Operations Services Smart Client														_		
Mic	crosoft												<u>ل</u> اً ک	o 🗖 🤅	K 🖡 🕯 (o 🛓
Oni	line	С	BR		PBR		R	evert	Retur	TO ULP	Informat	ion		OA 3.0 Tool		Page
Q earch	Get Keys	Image: bit with the second				Store Product	By Keys	By Quantity	لک By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	EQ By Quantity	Import	5 Refrest
										Keys (Count					
EEKI AA	amolD Micro	or oft Agreement	5000044078 💌				8				0		0		PRO	D
1.60_0.60		Jon Agreement	3000044070				Tot	al	Culf	llod	Poturnod		Activation Enable	od	Enviror	nment
	MS Product Ke	ey	P	roduct Key ID	_	Product	t Key	_	Key Status	_	Кеу Туре	_		Licensable Part	Number	
V 8	89990125327	5311	1:	345913		XXXXXX-	XXXXX-XXXXX->	00000-JRGDV	Fulfilled		Standard			KW9-00458		
V 8	89990125327	5312	1:	345914		XXXXX-	xxxxx-xxxxx->	XXXX-3KW3V	Fulfilled		Standard			KW9-00458		
<u>ا</u>	89990125327	5448	1	412966		XXXXX-	xxxxx-xxxxxx->	XXXX-929X7	Fulfilled		MBR			KW9-00458		
L 8	89990125327	5449	14	412967		XXXXX-	xxxxx-xxxxx>	OXXXX-4Y4HH	Fulfilled		Standard			KW9-00458		
	89990125327	5754	14	413022		XXXXX-	xxxxx-xxxxx->	00000-MQV7H	Fulfilled		Standard			KW9-00458		
	18010680644	35	14	413026		XXXXX-	xxxxx-xxxxx->	OXXXX-CXBVH	Fulfilled		Standard			KW9-00458		
	18010680644	35	14	480184		XXXXX-	xxxxx-xxxxx->	00000-7C907	Fulfilled		Standard			KW9-00458		
L ,	22505054000	79	2	568595		XXXXXX-	XXXXX-XXXXXX->	XXXX-V6DDQ	Fulfilled		Standard			KW9-00004		
	32383034888															

5. Click the Return to DLP button.

6. A confirmation window will pop up to confirm your selection. Click CONFIRM.



7. Once the keys are returned, a "Key(s) returned successfully" message will briefly pop up in the green highlighted banner.

FFKI_FFKI_Test_Aamir_Microsoft Agreement 50	00043726	79499 Total	78954 Fulfilled	0 Returned	0 Activation Enabled	PROD Environment
Keys return Successfully!!!						×
Return By Keys						
▼ Search						
Product Key ID	T Product Key	T Key Status	T Key Type	て Licensable Part Nur	nber T MS PROD	ICT KEY ID T
2033378	300000-300000-300000-300000	Fulfilled	Standard	KJ7-00001	32586315	32415
2033379	XXXXXX-XXXXXX-XXXXXX-XXXXXXX	Fulfilled	Standard	KJ7-00001	32586315	32415
2033382	XXXXX-XXXXX-XXXXX-XXXXX	Fulfilled	Standard	KJ7-00001	32586315	32417
2033383	XXXXXX-XXXXXX-XXXXXX-XXXXXX	Fulfilled	Standard	KJ7-00001	32586315	32417
2033384	XXXXXX-XXXXXX-XXXXXX-XXXXXX	Fulfilled	Standard	KJ7-00001	32586315	32418
2033385	XXXXXX-XXXXXX-XXXXXX-XXXXXXX	Fulfilled	Standard	KJ7-00001	32586315	32418
2033386	XXXXX-XXXXX-XXXXX-XXXXX	Fulfilled	Standard	KJ7-00001	32586315	32419
2033387	XXXXX-XXXXXX-XXXXXX-XXXXXX	Fulfilled	Standard	KJ7-00001	32586315	32419
2033388	XXXXX-XXXXXX-XXXXX-XXXXXX-XXXXXX	Fulfilled	Standard	KJ7-00001	32586315	32420
2033389	XXXXXX-XXXXXX-XXXXXX-XXXXXXX	Fulfilled	Standard	KJ7-00001	32586315	32420
K C 1 2 3 4 M Page	1 of 7896 10 Page Size					Reset Return to ULP

5.4 REVERT KEYS

Description:

Often FFKI partners accidentally export keys which are not intended for key injection and want to revert the key back to fulfilled state. Partners can use the revert keys capability to revert the key status to fulfilled state in this instance.

Note: Do not revert Consumed Digital Product Keys that have been: 1. Injected in a device, where that device has shipped to a custome. 2. A CBR report has been created and submitted to Microsoft for a specific DPK. In both of these cases, reverting a key will cause the potential for a duplication situation.

5.4.1 Revert keys by keys

Tip Tool: Revert keys by keys will revert the key status from consumed to fulfilled by keys.

Step-by-step:

1. Log into Smart Client using FFKI partner account credentials.



Microsoft Digital Operations	Services Smart Clie	ent												– X
- Microsoft											<u>ن</u>	6	* 🔺 71	•
Online	CBR		PBR		R	ævert	Returr	I TO ULP	Info	rmation		OA 3.0 Tool		Page
Q D Search Get Keys By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	L By Keys	By Quantity	Edit Optional	Info Update OHR	By Keys	By Quantity	Import	5 Refresh
								Keys	Count					
FFKI_sagnik ffki_Microsoft Agreem	ent 5200003543 🔻	1			600	0	59	171		0	17		TI Finvir	ST
		-			Tota	al d	Fulf	illed	Ret	urned	Activation Enal	bled		
KEYS OVERVIEW			17 AC	TIVATION ENABLE	D	Last 5 Transa	ction(s) Sum	mary					View All Trans	actions 🗠
			= 12 NC	TIFIED BOUND			Initiated	Sul	bmitted	Inprogress	ACK Recei	ved	Completed	
			5971	FULFILLED		CBR	_			-0	0		-0	
						C00	Initiated	Sul	bmitted	Inprogress	ACK Recei	ved	Completed	1.1
	6000 KEYS					CDR	<u></u>			-0	©		-0	
						CBR	Initiated	Sul	bmitted	Inprogress	ACK Recei	ved	Completed	12
							<u> </u>		<u></u>		·			
						PRP	Initiated	Sul	bmitted	Inprogress	ACK Recei	ved	Completed	124
						T DK	<u></u>		<u></u>		<u> </u>		-0	
NOTIFICATION														
	Fulfilled	Кеу	1	Consumed Ke	y	1	Bound Key		1	Exception				
							CBP (ubmitted without (не	Daily nu	when of MDOS require			
	eys stuck in tulmiled status							nation		o failed co	nnection(s) for today			
	View Fulfilled Key 🗷 View Consumed						Viev	v Bound Key 🛙	•	View I	xception(s) 🛙			
							·							
						© 2018 All Ri	ghts Reserved						Internet Con	nection "I

3. Select By Keys under Revert.

Mic Mic	crosoft Digital	Operations Ser	vices Smart Clien	t					_							– x
Hi	crosoft												<u>ہ</u>	6 🟲 🖁 🖇	K 🗚 🕻 (? 🛓
On	line	C	BR		PBR		Re	vert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
Q	4	Þ		Ē	Ē	Ď	\$	₽	£	<u>ئ</u>		Ø	≡Q	≡Q	Ţ	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

4. Select the keys you want to revert and click on revert button.

				Keys	Count		
KI_FFKI_khkuma_Lab9_Micro	osoft Agreement 500004381(🔻		16 Total	9 Fulfilled	1 Returned	0 Activation Enabled	TEST Environment
Revert By Quantity							
еу Туре	Licensable Part Number	OEM Part Nu	umber	OEM PO Number	Available Keys	Quantity	
tandard	FQC-08800	PBR1		28MAR2	1	0	
H K H Page 1	a al					c	ancel Revert

5. Once the FFKI partner clicks on the Revert button, a confirmation window will pop up to confirm your Key Request. Click CONFIRM.

			Keys Co	ount		
FFKI_FFKI_khkuma_Lab9_Microsoft Agreement	500004381(🔻	16	9	1	0	TEST Finvironment
		Total	Fulfilled	Returned	Activation Enabled	g childrand
Revert By Keys						
▼ Search						
MS Product Key	Product Key Id	Product Key		Key Type	Licensah	e Part Number
3305579486747	1040596	XXXXX-XXXXX	Keys 🗙	Standard	FQC-088	00
		0.				
14 4 1 H Page 1 of 1	10 ··	Are you sure you wa	int to revert keys?			Cancel Revert
	ruge size	(CANCE)				
		W CANCEL	CONFIRM			
						Internet Connection

6. Once the keys are reverted back to fulfilled status, a "Keys Revert Operation Successfully" message will briefly pop up in the green highlighted banner.

Search				
MS Fulfiled date From	PRODUCT KEY	PRODUCT KEY ID FROM	PRODUCT KEY ID TO	Reset
MS Fulfiled date to	B PRODUCT KEY ID	OEM PART NUMBER	MS ORDER NUMBER	Q. Search
Кеу Туре	▼ OEM PO NUMBER	LICENSABLE PART NUMBER		

5.4.2 Revert keys by quantity

Tip Tool: Revert keys by keys will revert the key status from consumed to fulfilled by quantity.

Step-by-step:



1. Log into Smart Client using FFKI partner account credentials.

Microsoft Di	gital Operations	Services Smart Clie	ent												– x
Hicrosoft												<u>ن</u> ا	•	★ ♣ ⁷¹	0
Online		CBR		PBR		R	evert	Returr	I TO ULP	Infor	nation		OA 3.0 Tool		Page
Search Get Key	By Keys	By Quantity	By Keys	By Quantity	Import PBR	🕹 By Keys	By Quantity	By Keys	t By Quantity	Edit Optional In	fo Update OHR	By Keys	EQ By Quantity	Import	5 Refresh
									Keys	Count					
FFKI_sagnik ffki_N	licrosoft Agreeme	nt 5200003543 🔻	•			600	0	59	71	(17		T Envi	EST
						Tota	I	Fulf	illed	Retu	rned	Activation Enab	led	- 210	ionnen
KEYS OVERV	IEW						Last 5 Transa	ction(s) Sum	mary					View All Tran	sactions 🕑
				17 AC 12 NO	TIVATION ENABLED) _		1.10.1.1				ACK D		C 1.1.1	
				= 5971 F	ULFILLED		CBR	Initiated	Su		Inprogress	ACK Receiv	/ed	Completed	2
								<u> </u>		<u> </u>	0	0			
		6000					CBR	Initiated	Sul	bmitted	Inprogress	ACK Receiv	ved	Completed	2
		KEYS						<u> </u>		v	0	6		6	
							CBR	Initiated	Sul	bmitted	Inprogress	ACK Receiv	ved	Completed	12
							CDK	<u></u>		<u></u>				-0	
							222	Initiated	Sul	bmitted	Inprogress	ACK Receiv	ved	Completed	1.8
							PBR	<u>_</u>						0	2
NOTIFICATI	ON														
		Fulfilled	Кеу	(1)	Consumed Key		(1)	Bound Key		(i)	Exception		(1)		
	(0) Keys stuck in fulfilled status						status	CBR si inform	ubmitted without (nation	DHR	Daily nur failed co	mber of MDOS service nnection(s) for today	5		
		Viev	w Fulfilled Key 🗹	Key 12 View Consumed Key 12 View Bound Key 12 View Exception(s) 12											
							© 2018 All Ri	ghts Reserved						Internet Co	nnection ₁

3. Select By Quantity under Revert.

Mic Mic	A Microsoft Digital Operations Services Smart Client -															— X
👫 Microsoft 👘 🔺 🔺 🕺 🕺															2	
On	line	C	BR		PBR		Re	vert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
Q	\$	1		Ē	Ē	Ď	さ	₽	1	t		Ø	<u>=0</u>	≡Q	↑ L	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

4. Enter the quantity of keys against licensable part number which you want to revert.

				Keys	Count		
FKI_FFKI_khkuma_Lab9_Microsoft Agree	ment 500004381(🔻		16 Total	9 Fulfilled	1 Returned	0 Activation Enabled	TEST Finite Content
Revert By Quantity							
Кеу Туре	Licensable Part Number	OEM Part Numb	er	OEM PO Number	Available Keys	Quantity	
Standard	FQC-08800	PBR1		28MAR2	1	0	
H H Page 1 of 1						c	ancel Revert

79

Internet Connection

- 5. Click on Revert button.
- 6. Once the FFKI partner click on the Revert button, a confirmation window will pop up to confirm your Key Request. Click CONFIRM.

				Keys C	ount		
FFKI_FFKI_khkuma_Lab9_Microsoft Ag	greement 500004381(🔻		16	9	1	0	TEST
			Total	Fulfilled	Returned	Activation Enabled	La Environment
Revert By Quantity							
Кеу Туре	Licensable Part Number	OEM Part Number	OEM	PO Number	Available Keys	Quantity	
Standard	FQC-08800	PBR1	28MA	IR2	1	1	
H H Page 1	of 1		Confirm Revert Keys	×			
						c	ancel Revert
		(i	Are you sure you want to rever	t keys?			
			CANCEL	CONFIRM			
			© 2018 All Rights R	leserved			Internet Connection

7. Once the keys are reverted, a "Keys Revert Operation Successfully" message will briefly pop up in the green highlighted banner.

еу Туре	Licensable Part Number	OEM Part Number	OEM PO Number	Available Keys	Quantity
tandard	KW9-00458	1230EM_STD_PARTNO	123OEM_STD	1	0
tandard	FQC-08800	OEM_DUPLICATE_LAB1	OEM_DUPLICATE_LAB1	2	0
tandard	FQC-08800	PART1	OEM_STD_514	1	0
tandard	KW9-00458	SC1_R3_1	SC1_R3_19JAN	1	0
andard	269-16965	SC2_FUTUREDATE_17JAN_3	SC2_FUTUREDATE_17JAN	1	0
ervice	7NM-00087	FGHKUHI	COMPLETED	1	0
ervice	269-16965	PART3	OEM_STD_514	1	0
ervice	7NM-00087	SC3_17JAN_2	SC3_FUTUREDATE_17JAN	1	0

© 2017 All Rights Reserved

5.51MPORT KEYS

Description:

The Import keys functionality allows a down level partner (DLP) to import keys into the MDOS SC system from an external file location. The keys must be in Consumed status to be imported and the file format from where the keys are being imported must be XML.

Tip Tool: Import keys into the Smart Client from an external file location.

Step-by-Step:

1. Log into Smart Client using FFKI partner account credentials.

Microsoft Digital Opera 🗟 🕨 🗆 🛱 art Client 🔤 🗙
MDOS SMART CLIENT
LOGIN

	rosoft Digita	I Operations	Services Smart Cli	lent												– x
Hic	rosoft												<u>ن</u>	6	* ≜	0
Onli	ne	9	CBR		PBR		R	levert	Return	n To ULP	Infor	mation		OA 3.0 Tool		Page
Q Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Ir	fo Update OHR	EQ By Keys	By Quantity	Import	5 Refresh
										Keys	Count					
FFKI_sagr	nik ffki_Micro	soft Agreeme	.nt 5200003543 🔻	r			600	0	59	71		0	17		T I Envi	EST
				-			Tota	al	Fulf	filled	Retu	irned	Activation Enab	oled		
KEYS	OVERVIEV	v			17 AC	CTIVATION ENABLE!	D	Last 5 Transa	ction(s) Sum	mary					View All Tran	sactions 🗠
					12 NC	JTIFIED BOUND			Initiated	Sul	omitted	Inprogress	ACK Recei	ved	Completed	
					5971	FULFILLED		CBR	@ —		<u></u>	O			-0	2
									Initiated	Sul	omitted	Inprogress	ACK Recei	ved	Completed	
			6000 KEYS					CBR	<u></u>			0	0-		-0	
									Initiated	Sul	omitted	Inprogress	ACK Recei	ved	Completed	
								CBR	_		<u></u>				-0	2
									Initiated	Sul	omitted	Inprogress	ACK Recei	ved	Completed	
								PBR	_		<u></u>				_ ©	
NOT																
NOT	IFICATION		Fulfiller			Consumed Ke			Bound Key			Fusention		0		
			Fulfineu	кеу	U U	Consumed key	1	Û	Bound Key		U	Exception		U I		
			99+ к	Keys stuck in fulfilled s	status	0 Keys stur	ck in consumed	status	11 CBR si inform	ubmitted without (nation	HR	Daily nur failed co	nber of MDOS service nnection(s) for today	5		
			Vie	aw Fulfilled Key 🛛	\$	View Cons	sumed Key 🛛	•	Viev	w Bound Key 🛛		View I	xception(s) 🗹			
_																
								© 2018 All Ri	ghts Reserved						Internet Co	nnection ₁

3. After clicking "Dashboard" button, FFKI partner will need to click on the Import Button as shown in the below screen.

🚵 Mic	crosoft Digital	Operations Se	rvices Smart Clien	1				_	_							– X
Hi Mi	crosoft												<u>ل</u>	6 P ¹ 2	< 🔺 🤅	
On	line	(BR		PBR		Re	evert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
Q	4	•		Ē		Ď	\$		<u>+</u>	<u>ئ</u>		Ø	≡Q	≡Q	ţ	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

4. After clicking partner will get the below screen. FFKI partner will need to click on the import button. All files present in the file import path location will be upload in the MDOS.

NOTE: FFKI partner will need to set the Import Path from the settings page. To learn more about Settings please refer to the settings page.



		Keys (Count		
FFKI_FFKI_khkuma_Lab9_Microsoft Agreement 5000043810 V	16	9	1	0	TEST
	Total	Fulfilled	Returned	Activation Enabled	environment
U We are processing your import request. The system will notify you the import status.					×
Import OA 3.0 Tool Output File: D:\Import			+1 Impor	t 🛇 Clear	
	No Data	Found!			
Checking for xml/ zip for Import FFKI SC				~ D	
Total number of 1 xml, 0 zip file found under ExportedFiles(3-30-2018 3-56-45 PM) folder.					
Total number of 1 xml, 0 zip file found under ExportedFiles(3-30-2018 3-56-50 PM) folder.					
Total number of 1 xml, 0 zip file found under ExportedFiles(3-30-2018 4-18-16 PM) folder.					
Total number of 1 xml, 0 zip file found under ExportedFiles(3-30-2018 5-50-28 PM) folder.					
======================================					
Validating 3305579486725.xml format before import Process.					
RRASS70d86775 vml ic in valid immut format				~	
	© 2018 All Ri	ghts Reserved			Internet Connection

Once the keys are imported, a notification will appear under the Alert icon, indicating recent changes.

5.6EXPORT KEYS

Description:

The Export keys functionality allows FFKI to export keys from MDOS SC system to an external file location. The keys must be in fulfilled status to be exported and the format of the exported file will be a XML file.

Note: Microsoft recommends that to complete the OA3.0 end to end process that all entities within the Business Setup within MDOS should be network connected. If the entities within the business are not network connected, there is a risk of duplicate device manufacturing with the same DPK, Lost DPK's, as well lost CBR's and the potential for non activatable systems. The MDOS solution is based on being network connected from the parent to all children in the business setup

Tip Tool: Export keys from MDOS SC into a zip file and store in a secure location for future download and use. User will be notified of the location from where the user can download the keys.

5.6.1 Export keys by keys

Step-by-Step:

1. Log into Smart Client using FFKI partner account credentials.



Microsoft Digital Operations Se	ervices Smart Clier	nt												– x
Hicrosoft											<u>ش</u> ه		× 🗚 📶 🤅	
Online CB	3R		PBR		F	levert	Returr	TO ULP	Inform	nation		OA 3.0 Tool		Page
Search Get Keys By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	L By Keys	t By Quantity	Edit Optional Inf	o Update OHR	⊨ By Keys	By Quantity	Import	5 Refresh
								Keys	Count					
FFKI_sagnik ffki_Microsoft Agreement	5200003543 🔻				600	0	59	71	0		17		TEST	
					Tota	al	Fulf	illed	Retur	ned	Activation Enable	ed	Environn	nent
KEYS OVERVIEW						Last 5 Transa	ction(s) Sum	mary				V	/iew All Transacti	ions 🕑
			17 AC 12 NO	IVATION ENABLE	• –	Cust 5 manual	ction(s, sam	indiy						
			5971 F	ULFILLED		CBR	Initiated	Sul	omitted	Inprogress	ACK Receive	ed (Completed	51
						Con			<hr/>	-0	O		-0	
							Initiated	Sul	omitted	Inprogress	ACK Receive	ed C	Completed	
6 K	EYS					CBR			ø	_ <u>o</u>	O		-0	2
							Initiated	Sul	omitted	Inprogress	ACK Receive	ed (Completed	
						CBR	_		<u></u>				-0	2
							Initiated	Sul	mitted	Inprogress	ACK Receive	ed (ompleted	
						PBR								2
									•				0	
NOTIFICATION														
	Fulfilled K	(ey	(1)	Consumed Key	1	(i)	Bound Key		(1)	Exception		(i)		
								1		0.1				
	99+ Ke	ys stuck in fulfilled st	atus	0 Keys stu	ck in consumed	status	11 CBR s	ubmitted without (nation	DHR	 Daily nur failed co 	nber of MDUS services nnection(s) for today			
	View	r Fulfilled Key 🗹		View Cons	umed Key E	•	Viev	v Bound Key 🛛		View I	xception(s)			
						© 2018 All Ri	ghts Reserved						Internet Connec	tion 📲

3. Select By Key under OA 3.0 tool option.

Mic Mic	crosoft Digital	Operations Ser	rvices Smart Clien	t					_							– x
Hi Mi	crosoft												<u>ہ</u>	6 F ¹ X	、 <mark>≜</mark> 1 (1	
On	line	c	BR		PBR		Re	vert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
Q	\$	Þ		Ē	Ē	Ê	\$	₽	<u></u>	<u>ئ</u>		Ű	≡Q	≡Q	Ť	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

4. Select the keys which you want to Export and click on Export Keys Button.

			Keys Col	int		
KI_FFKI_khkuma_Lab9_Microsoft Agreen	nent 500004381(🔻	16	9	1	0	TEST
		Total	Fulfilled	Returned	Activation Enabled	Environment
Note : If you would like to char	ge the export file location, please na	wigate to settings page.				×
Export By Keys						
 Search 						
MS Product Key	Product Key ID	Product Key	Licensable Part Number	OEM Part Number	Licens	able Name
899901252750028	1040604	XXXXX-XXXXX-XXXXX-XXXXX-D4RHH	KW9-00458		WIN H	OME 10 OLC OA3 NonAct P
899901252750029	1040605	XXXXX-XXXXX-XXXXX-XXXXX-FG83V	KW9-00458		WIN H	OME 10 OLC OA3 NonAct P
899901252750033	1040609	XXXXX-XXXXX-XXXXX-XXXXX-89BVH	KW9-00458		WIN H	OME 10 OLC OA3 NonAct P
Directory D:\Export						
H 4 1 H Page 1	of 1 Page Size					Cancel Export Keys

© 2018 All Rights Reserved	nternet Connection

5. Once the FFKI partner clicks on the Export Keys button, a confirmation window will pop up to confirm your Key Request. Click CONFIRM.

			Keys C	ount		
FFKI_FFKI_khkuma_Lab9_Microsoft Agreer	ment 500004381(🔻	16	9	1	0	TEST
		Total	Fulfilled	Returned	Activation Enabled	ta Environment
Export By Keys						
▼ Search						
MS Product Key	Product Key ID	Product Key	Licensable Part Number	OEM Part Nur	nber Licens	able Name
899901252750028	1040604	XXXXXX-XXXXX	port keys		WIN H	OME 10 OLC OA3 NonAct PT
899901252750029	1040605	XXXXX-XXXX			WIN H	OME 10 OLC OA3 NonAct PTI
899901252750033	1040609	XXXXX-XXXX	ou want to export key(s)?		WIN H	OME 10 OLC OA3 NonAct PT
		• • • • • • • • • • • • • • • • • • • •				
Directory D:\Export						
		& CANCEL	CONFIRM			
H 4 1 H Page 1	of 1 10 -					Cancel Export Keys
	Page Size					
		© 201	8 All Rights Reserved			Internet Connection

6. Once the keys are exported, a "Key Exported Successfully" message will briefly pop up in the green highlighted banner.

		Keys	Count		
FFKI_OEM6_FFKI1_Microsoft Agreement 5000043688	13	8	0	0	PROD
	Total	Fulfilled	Returned	Activation Enabled	l∉ Environment
Keys exported successfully!!!					×
EXPORT BY KEYS					
▼ Search					

5.6.2 Export keys by quantity

Step-by-Step:

1. Log into Smart Client using FFKI partner account credentials.



Microsoft Digital Operations Services Smart Client										– x
								<u>ش</u> هه	🟲 🗶 🗚 🎦 🛛	? ≚
Online CBR	PBR		 Revert	Return 1	To ULP	Inform	nation	OA	A 3.0 Tool	Page
Q Image: Constraint of the second s	By Quantity Import PBR	By Keys	By Quantity	By Keys	t By Quantity	Edit Optional Inf	Update OHR	EQ By Keys By	Quantity Import	S Refresh
					Keys	Count				
FFKI_sagnik ffki_Microsoft Agreement 5200003543 🔻		600	00	597	1	0		17	TES	T
		Tot	al	Fulfil	led	Retur	ned	Activation Enabled		
KEYS OVERVIEW	17 ACTIVATION ENABLING 17 ACTIVATION ENABLING	LED	Last 5 Transa	ction(s) Summ	hary				View All Transa	ctions 🖻
	12 NOTIFIED BOUND			Initiated	Sut	omitted	Inprogress	ACK Received	Completed	
	5971 FULFILLED		CBR			<u></u>		©		2
				Initiated	Sut	omitted	Inprogress	ACK Received	Completed	
6000 KEYS			CBR	_		<u></u>	<u> </u>		6	
			600	Initiated	Sub	omitted	Inprogress	ACK Received	Completed	
			CBK			ø				
				Initiated	Sut	omitted	Inprogress	ACK Received	Completed	
			PBR			~			6	
NOTIFICATION										
Fulfilled Key	(i) Consumed	Kev	0	Bound Key		(I)	Exception	(1)		
			Ŭ	,		Ŭ		Ŭ		
99+ Keys stuck in fulfilled statu	us 🕕 Keys	stuck in consume	i status	11 CBR sub informa	omitted without C Ition	HR	 Daily num failed co 	nber of MDOS services nnection(s) for today		
View Fulfilled Key 🖻	View Co	onsumed Key [2	View	Bound Key 🗹		View f	xception(s) 🖪]	
										_
			© 2018 All Ri	ights Reserved					Internet Conne	ection "I

3. Select By Quantity under OA 3.0 tool option.

Mic Mic	crosoft Digital	Operations Ser	rvices Smart Clien	t					_							– x
Hi	crosoft												<u>ہ</u>	6 F ¹ X	、 🖡 ¹ (?	
On	line	(BR		PBR		Re	evert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
Q	4	Þ		Ē		Ê	\$	₽	<u>+</u>	<u>ئ</u>		Ű	≡Q	≡Q	ţ	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

4. Enter the quantity of keys which you want to Export and click on the Export Keys Button.

	FIGUL		Keys	Count		
(I_FFKI_khkuma_Lab9_Microsoft A	greement 500004381(🔻	16	9	1	0	TEST
		Total	Fulfilled	Returned	Activation Enabled	¢ cristion inclu
Note : If you would like	to change the export file location, please na	wigate to settings page.				×
xport By Quantity						
у Туре	Licensable Part Number	OEM Part Number	OEM PO Number	Available Keys	Quantity	
andard	KW9-00458		8790	3	1	
andard	KW9-00458		8790	3	1	
andard	KW9-00458		8790	3	1	
andard	KW9-00458		8790	3	1	

5. Once the FFKI partner clicks on the Export Keys, a confirmation window will pop up to confirm your Key Request. Click CONFIRM.

				Keys Co	ount		
FKI_FFKI_khkuma_Lab9_Micro	osoft Agreement 500004381(🔻		16 Total	9 Fulfilled	1 Returned	0 Activation Enabled	TEST Environment
Note : If you woul	d like to change the export file location, please	navigate to settings page.					×
Export By Quantity							
Кеу Туре	Licensable Part Number	OEM Part Number	Confirm Export Keys	×	Available Keys	Quantity	
Standard	KW9-00458		 Are you sure you want to exp 	oort keys?	3	1	
H H Page 1	of 1		⊗ CANCEL	CONFIRM			

6. Once the keys are exported, a "Key Exported Successfully" message will briefly pop up in the green highlighted banner.

	Product		Information Keys C	ount		
FFKI_OEM6_FFKI1_Microsoft Agreement 5000043688		13 Total	8 Fulfilled	0 Returned	0 Activation Enabled	PROD Environment
Keys exported successfully!!!						×
EXPORT BY KEYS						

5.7 OA 3.0 TOOL

Description

This section explains the partner on how to configure the OA3.0 tool

1. Edit your "oa3tool.cfg" file according to server-based configuration file format. You can reference OA3Tool guide provided by Microsoft for more information.

Example for server-based oa3tool configuration file:

<oa3></oa3>
<serverbased></serverbased>
<keyproviderserverlocation></keyproviderserverlocation>
<ipaddress>******</ipaddress>
<protocolsequence>ncacn_ip_tcp</protocolsequence>
<endpoint><mark>9011</mark></endpoint>
<options></options>
<parameters></parameters>
<parameter name="LicensablePartNumber" value="*******"></parameter>
<parameter name="OEMPartNumber" value="*******"></parameter>
<parameter name="OEMPONumber" value="*****"></parameter>
<parameter name="ProductKeyIdFrom" value="1234567890"></parameter>
<parameter name="ProductKeyIdTo" value="1234567890"></parameter>
<oemoptionalinfo></oemoptionalinfo>
<field></field>





NOTES:

- \circ $\;$ The red color text needs to be edited according to your real product info
- For the <OEMOptionalInfo> node, the yellow background color fields are required, and others are optional. You can refer to "Edit Optional Information" part for more details of the values.
- For the <BusinessID> node, the value should be Business Id which can be found in the Options -> Business setting.
- For the <<u>Options</u>> node, you can expand Hardware hash to 4000 characters in the new version of OA3.0Tool, this is only for the test. (Details can be referred to the OA3.0 guide provided by Microsoft) <<u>Options</u>>

<HardwareHashVersion>1</HardwareHashVersion>

<HardwareHashPadding>4000</Hardwar eHashPadding> </Options>

- If user only give ProductKeyIdFrom, then output key will be greater than or equal to ProductKeyIdFrom.
- If user only give **ProductKeyIdTo**, then output key will be less than or equal to **ProductKeyIdTo**.
- If user give both ProductKeyIdFrom and ProductKeyIdTo, then output key will be between the range of ProductKeyIdFrom and ProductKeyIdTo (including the edges).
- 2. Open a command line window, navigate to the OA3Tool folder, and run the following command.

oa3tool.exe /Assemble /Configfile=oa3tool.cfg

- 3. If there are keys satisfying the parameter in your "oa3tool.cfg" file, the oldest one will be used. The 'OA3.bin' file defined in configuration file will be generated.
- 4. Inject the key information contained in 'OA3.bin' into BIOS using your own injection tool.
- 5. Run the following command on product machine. oa3tool.exe /Report /Configfile=oa3tool.cfg
- 6. Key is changed status from "Consumed" to "Bound".

5.8 KEY PROVIDER SERVICE

Description

This section explains the partner on how to configure the key provider service.

- 1. For the <EndPoint> node in above "oa3tool.cfg", it is the port of key provider service. Please modify the endpoint of oa3tool.cfg file as following.
- 2. Update the <endpoint> node in the server-based oa3tool.cfg; make the endpoint value same as MDOS Key Provider service endpoint **i.e. 9011** in step2.



Note: MDOS SC Key provider service is not configurable (by default the end point of MDOS key provider service is 9011). Therefore, users are only required to configure server-based oa3tool.cfg.

SECTION 6. REPORTS

6.1CBR (COMPUTER BUILD REPORT)

Description:

A Computer Build Report (CBR) is a mandatory report that is sent to Microsoft notifying which keys have been used (bound), so they can be activated. This report is required by Microsoft to obtain the following details: OEM ID, Hardware Hash, Product Key ID, and Key State. Once the CBR is submitted and validated, Product Key IDs will be registered in Microsoft's activation service, and Windows can be activated by the end user. The CBR process is manual unless you are set up for auto reporting. The CBR is created by the OA3tool.exe that is used when manufacturing every device. The CBR is created by running the oa3tool.exe /Report command on the device being manufactured and will automatically submit that CBR to the MDOS SC client for reporting to Microsoft.

The OA3tool.exe is available from Microsoft within the Automated Deployment Kit (ADK). To script the OA3tool.exe on your manufacturing floor, in conjunction with the MDOS SC, please download and review the following documents from Microsoft's DOC website:

- OEM Activation 3.0 Overview Usage Guide.xps
- OEM Activation 3.0 WinClient Test Guidance Plan.xps

Computer Build Report (CBR) submits a usage report to Microsoft for keys that are in Bound status. Once validated, keys will be activated for use.

6.1.1 CBR Submit by keys

Step-by-Step:

1. Log into Smart Client using FFKI partner account credentials.

Microsoft Digital Opera 📴 🖓 🔲 🛱 art Client 🔤 X	
MDOS MDOS SMART CLIENT	
LOGIN	

Microsoft Digital Operations Services Smart Client												– x
Microsoft									ቬ 🕳	*	<mark>.</mark> ⁷¹ ⑦	
Online CBR	PBR		Re	evert	Returr	TO ULP	Info	ormation		OA 3.0 Tool		Page
Q 🖺 🗉 🗐	e (i)	Ê	占	Ţ	.↑.	1 1 1		Ø	= 0	≡Q	L I	5
Search Get Keys By Keys By Quantity B	by Keys By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional	Info Update OHR	By Keys	By Quantity	Import	Refresh
						Keys	Count					
FFKI_sagnik ffki_Microsoft Agreement 5200003543 🔻			6000)	59	71		0	17		TEST	
			Total		Fulf	illed	Ref	turned	Activation Enable	d	* Environme	ent
KEYS OVERVIEW				Last 5 Transa	ction(s) Sum	many				View	All Transactio	ns 🖻
	17/	CTIVATION ENABLED			cuon(s) sum							
	597	1 FULFILLED		CRD	Initiated	Sul	bmitted	Inprogress	ACK Receive	d Com	leted	12
				CDK	<u></u>		<u></u>	0		(
					Initiated	Sul	bmitted	Inprogress	ACK Receive	d Com	leted	
6000 KEYS				CBR	_		<u></u>	<u> </u>		(2
					Initiated	Sul	bmitted	Inprogress	ACK Receive	d Com	leted	
				CBR	_		<u></u>					
					Initiated	Sul	bmitted	Inprogress	ACK Receive	d Com	leted	
				PBR								2
							-	-			/	
NOTIFICATION												
Fulfilled Key	(1)	Consumed Key		1	Bound Key			Exception	(D		
99+ Keys stu	ick in fulfilled status	0 Keys stuc	k in consumed s	itatus	11 CBR si inform	ubmitted without (nation	DHR	 Daily nur failed cor 	nber of MDOS services inection(s) for today			
View Ful	filled Key 🖪	View Const	umed Key 🛽		Viev	Bound Key 🛛		View E	xception(s) 🛽			
				© 2018 All Ri	ghts Reserved					Inte	rnet Connecti	on _{att}

- 3. Click on the button CBR By Keys as shown in below screen to see the list of keys which are in "Bound" status in smart client.
- 4. Select the keys you want to submit the CBR to MS for. Click Submit to report.

Кеу Туре	Call Off Reference Number		OEM Part Number	Product Key ID From	MDOS Product Key ID
PBR Binding Status	▼ OEM PO NUMBER		Licensable Part Number	Product Key ID To	Reset
Store Products Binding Status	MS Order Number		Product Key	Serial Number	Q Search
Key Id	T Product Key	T Status	T Key Type	T Licensable Part Number	۲ MS Product Key ID
2033211	XXXXX-XXXXXX-XXXXXX-XXXXXX-XXXXXX	Bound	Service	KJ7-00001	3258631581587
2033212	XXXXX-XXXXXX-XXXXXX-XXXXXX-XXXXXX	Bound	Service	KJ7-00001	3258631581588
2033213	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	Bound	Service	KJ7-00001	3258631581588
2033214	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	Bound	Service	KJ7-00001	3258631581589
2033215	XXXXX-XXXXX-XXXXX-XXXXX-XXXXXX	Bound	Service	KJ7-00001	3258631581589
2033216	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	Bound	Service	KJ7-00001	3258631581590
2033219	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	Bound	Standard	KJ7-00001	3258631581591
2033220	XXXXXX-XXXXXX-XXXXXX-XXXXXX	Bound	Standard	KJ7-00001	3258631581592
2033221	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	Bound	Standard	KJ7-00001	3258631581592
2033222	XXXXXX-XXXXXX-XXXXXX-XXXXXX	Bound	Standard	KJ7-00001	3258631581593

5. Once the FFKI partner clicks on the Submit button, a confirmation window will pop up to confirm your Key Request. Click CONFIRM.

Кеу Туре	•	Call Off Reference Number		OEM Part Number		Product Key ID Fi	rom	MDOS Product Key ID	
PBR Binding Status	•	OEM PO NUMBER		Licensable Part Number		Product Key ID To	,	Reset	
Store Products Binding Status	•	MS Order Number		Confirm CBR Keys	; X	Serial Number		Q Search	
Key Id	τ Pro	duct Key	T Status	(i) Are you sure you wan	t to continue ?	τ	Licensable Part Number	۲ MS Product Key ID	_
2033211	XXX	00X-X000X-X000X-X000X	Bound				KJ7-00001	3258631581587	
2033212	XXX	00X-X00XX-XX00XX-XX0XX-XX0XXX	Bound	(S) CANCEL	CONFIRM		KJ7-00001	3258631581588	
2033213	200	00X-XXXXXX-XXXXXX-XXXXXX	Bound		Service	·	KJ7-00001	3258631581588	
2033214	XXX	00X-X000X-X000X-X000X-X000X	Bound		Service		KJ7-00001	3258631581589	
2033215	200	00X-X000X-X000X-X000X-X000X	Bound		Service		KJ7-00001	3258631581589	
2033216	XXX	00X-X000X-X000X-X000X-X000X	Bound		Service		KJ7-00001	3258631581590	
2033219	X00	00X-X000X-X000X-X000X-X000X	Bound		Standard		KJ7-00001	3258631581591	
2033220	XXX	00X-X000X-X000X-X000X-X000X	Bound		Standard		KJ7-00001	3258631581592	
2033221	XXX	00X-X000X-X000X-X000X-X000X	Bound		Standard		KJ7-00001	3258631581592	
2033222	XXX	00X-XXXXX-XXXXXX-XXXXXX	Bound		Standard		KJ7-00001	3258631581593	

6. Once the CBR has been submitted, a "Key Submitted Successfully" message will briefly pop up in the green highlighted banner.

BR BY KEY					
Кеу Туре	Call Off Reference Number		OEM Part Number	Product Key ID From	MDOS Product Key ID
PBR Binding Status	▼ OEM PO NUMBER		Licensable Part Number	Product Key ID To	Reset
Store Products Binding Status	MS Order Number		Product Key	Serial Number	Q Search
Vov Id	T Broduct Koy	T Statur	T Kou Tupo	T Liconrobio Part Number	T MS Broduct Key ID
Key ld 2033212	Product Key XXXXX-XXXXX-XXXXX-XXXXXX-XXXXXX	T Status Bound	۲ Key Type Service	T Licensable Part Number KJ7-00001	T MS Product Key ID 3258631581588
Key Id 2033212 2033213	Product Key X000X-X000X-X000X-X000X-X000X X000X-X000X-X000X-X000X	T Status Bound Bound	۲ Key Type Service Service	Licensable Part Number KJ7-00001 KJ7-00001	T MS Product Key ID 3258631581588 3258631581588
Key Id 2033212 2033213 2033214	Product Key X0000-300000-300000-300000 X0000-300000-300000-300000 X0000-300000-300000-300000 X0000-300000-300000-300000	T Status Bound Bound Bound	τ Key Type Service Service Service Service	Ucensable Part Number KJ7-00001 KJ7-00001 KJ7-00001 KJ7-00001	T MS Product Key ID 3258631581588 3258631581588 3258631581588 3258631581589
Key Id 2033212 2033213 2033214 2033215	Product Key X0000-30000-30000-30000 X0000-30000-30000 X0000-30000-30000 X0000-30000-30000 X0000-30000 X0000-30000-30000 X0000-30000	T Status Bound Bound Bound Bound	T Key Type Service Service Service Service	▼ Ucensable Part Number K17-00001 K17-00001 K17-00001 K17-00001	T MS Product Key ID 3258631581588 3258631581588 3258631581588 3258631581589 3258631581589 3258631581589
Key Id 2033212 2033213 2033214 2033215 2033216	Product Key 20000-30000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000	 Status Bound Bound Bound Bound Bound 	▼ Key Type Service Service Service Service Service	Ucensable Part Number Ki7-00001 Ki7-00001 Ki7-00001 Ki7-00001 Ki7-00001 Ki7-00001	MS Product Key ID 325681581588 325681581588 3258631581589 3258631581589 3258631581589 3258631581589
Key1d 2033212 2033213 2033214 2033215 2033215 2033216 2033219	Product Key 20000-30000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000	T Status Bound Bound Bound Bound Bound Bound Bound	▼ Key Type Service Service Service Service Service Standard	▼ Uccensible Part Number K/7-00001 K/7-00001 K/7-00001 K/7-00001 K/7-00001 K/7-00001 K/7-00001	 MS Produkt Key ID 3258631581588 3258631581588 3258631581589 3258631581589 32586315815959 3258631581591
Keyld 2033212 2033213 2033214 2033215 2033216 2033219 2033220	Product Key 20000-30000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000 20000-30000 20000-30000 20000 3000 3000 3000 3000 3000 3000 3000 3000 3000 3000 3000 3000 3000 3000 3000 3000 300	 Status Bound Bound Bound Bound Bound Bound Bound Bound Bound 	▼ Key Type Service Service Service Service Service Standard Standard	▼ Uccensible Part Number K/7-00001 K/7-00001 K/7-00001 K/7-00001 K/7-00001 K/7-00001 K/7-00001 K/7-00001	 M5 Product Key ID 325631581588 3256631581588 3256631581589 3256631581589 3256631581589 3256631581591 3256631581591 3256631581592
Key1d 2033212 2033213 2033214 2033215 2033216 2033229 2033220 2033221	Product Key 20006-30000-30000-30000 20006-30000-30000-30000 20006-30000-30000 20006-30000-30000 20006-30000-30000 20006-30000-30000 20006-30000-30000 20006-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000	T Status Bound	▼ Key Type Service Service Service Service Service Standard Standard	V Ucensable Part Number KI7-00001 KI7-00001 KI7-00001 KI7-00001 KI7-00001 KI7-00001 KI7-00001 KI7-00001 KI7-00001 KI7-00001 KI7-00001 KI7-00001	 M5 Product Key ID 325681581588 325681581588 325681581589 325681581589 325681581591 325681581591 325681581592 325681581592
Key1d 2033212 2033213 2033214 2033215 2033216 2033219 2033220 2033221 2033222	Product Key Product Key 20000-30000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000 20000-30000-30000	V Status Bound Bound Bound Bound	▼ Key Type Service Service Service Service Service Service Standard Standard Standard Standard Standard	 ▼ Licensible Part Number K/7-00001 	 K5 Product Key ID 3258031581588 3258631581588 3258631581589 3258631581589 3258631581590 3258631581591 3258631581592 3258631581592 3258631581593

7. If the CBR has been not been submitted, a "Key Submitted Unsuccessfully" message will briefly pop up in the red highlighted banner.

	Product		Information Kevs	Count		
FKI_FFKI_Test_Aamir_Microsoft Agreemer	nt 5000043726	79500 Total	79335 Fulfilled	0 Returned	0 Activation Enabled	PROD Environment
Keys Submitted Unsuccessful!	11					×
CBR BY KEY						
▼ Search						
Key Id	T Product Key	₹ Status	т Кеу Туре	T Licensable Part Num	nber 🔨 MS Product	Key ID
2033212	XXXXXX-XXXXXX-XXXXXX-XXXXXXX-XXXXXXX	Bound	Service	KJ7-00001	325863158	1588
2033213	XXXXX-XXXXX-XXXXXX-XXXXXX-XXXXXXX	Bound	Service	KJ7-00001	325863158	1588
2033214	XXXXX-XXXXX-XXXXX-XXXXX-XXXXXX	Bound	Service	KJ7-00001	325863158	1589
2033216	XXXXX-XXXXX-XXXXXX-XXXXXX-XXXXXX	Bound	Service	KJ7-00001	325863158	1590
2033219	XXXXX-XXXXX-XXXXX-XXXXX-XXXXXX	Bound	Standard	KJ7-00001	325863158	1591
2033220	XXXXX-XXXXX-XXXXXX-XXXXXX-XXXXXX	Bound	Standard	KJ7-00001	325863158	1592
2033221	XXXXX-XXXXX-XXXXX-XXXXX-XXXXXX	Bound	Standard	KJ7-00001	325863158	1592
2033222	XXXXX-XXXXX-XXXXXX-XXXXXX-XXXXXX	Bound	Standard	KJ7-00001	325863158	1593
2033223	XXXXX-XXXXX-XXXXXX-XXXXXXX-XXXXXXX	Bound	Standard	KJ7-00001	325863158	1593
2033224	XXXXX-XXXXXX-XXXXXX-XXXXXX-XXXXXX	Bound	Standard	KJ7-00001	325863158	2338
H H 1 2 3 4 H	Page 1 of 16 Page Size					Reset Submi

6.1.2 CBR Submit by quantity

Step-by-Step:

1. Log into Smart Client using FFKI partner account credentials.

Microsoft Digital Opera 📴 🕨 🗆 🛱 art Client 🔤 X	
MDOS SMART CLIENT	

2. FFKI Partner will see the below Dashboard screen after logging into the Smart Client.

Microsoft Digital Operations Service	es Smart Client											- x
										ራ 🕳	r 🛪 🗚 🎦	0
Online CBR		PBR		R	evert	Returr	TO ULP		Information	OA	A 3.0 Tool	Page
Q 🖺 🗉		F	Ê	占	Ţ	.↑.	it.		Ø	≡Q	=Q L`	5
Search Get Keys By Keys By	Quantity By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optio	nal Info Update OHR	By Keys By	Quantity Import	Refresh
							Key	Count				
FFKI_sagnik ffki_Microsoft Agreement 520	0003543 🔻			6000	0	59	71		0	17	TE	ST
				Tota	I	Fulf	illed		Returned	Activation Enabled	- Enviro	onment
KEYS OVERVIEW					Last 5 Teams	ation (a) Cum					View All Trans	retions [2]
		17 AC	TIVATION ENABLED	· _	Last 5 Iransa	ction(s) sum	mary				VIEW AIR HURSE	
		= 12 NO	TIFIED BOUND		CRD	Initiated	Su	bmitted	Inprogress	ACK Received	Completed	F . R
		_ 00/1	001000		CDK	<u></u>		<u></u>	0		©	<u> </u>
						Initiated	Su	bmitted	Inprogress	ACK Received	Completed	
6000					CBR	_		<u></u>	0	O	C	2
KET						Initiated	Su	hmitted	Innrogram	ACK Peceived	Completed	
					CBR		54					2
						-		•	·	•	· ·	
					PBR	Initiated	Su	bmitted	Inprogress	ACK Received	Completed	2
						<u> </u>		<u> </u>		_	6	
NOTIFICATION												
NOTIFICATION	(<u> </u>			<u> </u>						
	Fulfilled Key	(1)	Consumed Key	/	0	Bound Key		(1)	Exception	(1)		
	99+ Keys stuck in fulfilled	status	0 Keys stud	ck in consumed :	status	11 CBR s inform	ubmitted without (nation	DHR	Daily nur failed co	nber of MDOS services nnection(s) for today		
	View Fulfilled Key E	2	View Const	umed Key 🗹	:	Viev	v Bound Key 🛙	•	View E	xception(s) 🛽		
			-			-					-	
					© 2018 All Ri	ghts Reserved					Internet Conr	nection "I

- 3. Click on the button CBR by Quantity as shown in below screen.
- 4. Enter the quantity of keys to be Reported.

			Keys Count								
FKI_FFKI_Test_Aamir_Microsoft Agreem	ent 5000043726	7950	0 79335	0	0	PROD					
		Total	Fulfilled	Returned	Activation Enabled	- children					
CBR BY QUANTITY											
Кеу Туре	Licensable Part Number	OEM Part Number	OEM PO Number	Available Keys	Quantity						
Standard	KJ7-00001		W10-46622-50000	146	0						
Standard	KJ7-00001		W10-46622-500001	5	0						
Service	KJ7-00001		W10-46622-50000	4	0						
H H Page 1 of 1					F	leset Submit					

© 2017 All Rights Reserved

NOTE: Please make sure to enter the quantity less than or equal to available keys or the below error will appear.

			Key	s Count		
FKI_FFKI_Test_Aamir_Microsoft A	Agreement 5000043726	79500	79335	0	0	PROD
		Total	Fulfilled	Returned	Activation Enabled	# Environment
CBR BY QUANTITY						
Кеу Туре	Licensable Part Number	OEM Part Number	OEM PO Number	Available Keys	Quantity	
Standard	КЈ7-00001		W10-46622-50000	Quantity can not be greater th	nan no. of Available keys 220	
Standard	КЈ7-00001		W10-46622-500001	5	0	
Service	KJ7-00001		W10-46622-50000	4	0	
H H Page 1	of 1				R	eset Submit

© 2017 All Rights Reserved

5. Once the FFKI partner clicks on the Submit button, a confirmation window will pop up to confirm your Key Request. Click CONFIRM.

FRC_rest_Aamir_Microsoft Agreement 5000043726* 79500 79335 0 0 PROD if Environment Total Fuifilled Returned Activation Enabled				Keys	Count		
Total Fulfilled Returned Activation Enabled BY QUANTITY Type Licensable Part Number OEM PARt Number OEM PONumber Marca Ki7-00001 Marca Ki7-00001 Marca Ki7-00001 Marca Ki7-00001 Marca Marca Marca Ki7-00001 Marca Marca Ki7-00001 Marca Marca Ki7-00001 Marca Marca<	KI_FFKI_Test_Aamir_Microso	oft Agreement 5000043726	79500	79335	0	0	PROD
BY QUANTRY Type Loonsble Part Number OEM Part Number OEM PO Number Available Keys Quantity ndard Kr7-0001 Loonsfirm CBR Keys 5000 146 1			Total	Fulfilled	Returned	Activation Enabled	le Environment
BY OLANITY Licensable Part Number OEM Part Number OEM PO Number Available Keys Quantity ndard Ki7-00001 Indexes 2,50000 146 Indexes 2,50000 ndard Ki7-00001 Confirm CBR Keys 5 0 wice Ki7-00001 Indexes 2,50000 4 0							
Type Licensable Part Number OEM Part Number OEM POR Number Available Keys Quantity ndard KI7-00001 Image: State Stat	BR BY QUANTITY						
Mdard KI7-0001 Long 146 L Mdard KI7-0001 Confirm CBR Keys 5 0 wice KI7-0001 Are you sure you want to continue ? 4 0 Image:	Кеу Туре	Licensable Part Number	OEM Part Number	OEM PO Number	Available Keys	Quantity	
Madad K17-00001 Confirm CBR Keys 5 0 wice K17-00001 ① Are you sure you want to continue ? 4 0	Standard	KJ7-00001		W10-46622-50000	146	1	
KI7-0001 Image: Arr you sure you want to continue ? 4 Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you want to continue ? Image: Arr you sure you sure you want to continue ? Image: Arr you sure you sure you sure you want to continue ? Image: Arr you sure you sur	Standard	KJ7-00001		BR Keys X	5	0	
A S you put you man to commute : Beset Submit	Service	KJ7-00001		you want to continue ?	4	0	
CANCEL Submit			Ale you sure	you mane to commute i			
	H H H Page 1	of 1	(R) CANCEL	CONFIRM			Reset Submit

6. Once the CBR has been submitted, a "Key Submitted Successfully" message will briefly pop up in the green highlighted banner.

FFKI_FFKI_Test_Aamir_Microsoft Agreeme	ent 5000043726	79500	79335	0	0	PROD
		Total	Fulfilled	Returned	Activation Enabled	environment 🦉
Keys Submitted Successfully!						×
CBR BY QUANTITY						
Кеу Туре	Licensable Part Number	OEM Part Number	OEM PO Number	Available Keys	Quantity	
Standard	KJ7-00001		W10-46622-50000	145	0	
Standard	KJ7-00001		W10-46622-500001	5	0	
Service	KJ7-00001		W10-46622-50000	4	0	
H H H Page 1 of 1]				R	leset Submit

© 2017 All Rights Reserved

6.2PBR (PRODUCT BINDING REPORT)

Description:

Binding keys is the process of binding service keys (such as Office 365) with Windows keys (such as Windows 10 OS). The process includes creating a link between the Digital Product Key (DPK) and the Service PIN, so the bound service products will be available to the end user once activated.

There are two approaches to binding content to the Windows Digital Product Keys (DPK's), one for the Office 365 suite, called Activation for Office Late Binding, and the ability to bind Microsoft Online Store products to a Windows DPK called Dynamic Store Bundling. OEMs may buy additional products and services from Microsoft and bind these to their Windows key(s) via their licensing agreement with Microsoft. To configure additional products for use within MDOS and MDOS SC, please contact your OEM Account Manager. Currently there are a variety of office products available to bind to the Windows keys and in the future additional store products may be available, including XBOX Live, credits to Microsoft Store, Games and more.

The Product Bind Report (PBR) is the report that is generated after keys are bound. The reporting process is seamless as it is created in the background after binding occurs. Once you complete a specific bundle configuration, the PBR will automatically be sent to Microsoft for recording and billing.

Example:

ABC OEM wants to attach Office 365 to its Windows 10 devices that they will be selling during their holiday promotion. ABC OEM will add Office 365 to the devices once they are in transit. First the OEM must order and fulfill the Office 365 products to their MDOS Cloud. The OEM will then transfer those Office 365 product keys to their Down Level Partner, so they are available to bind to the Windows keys. The OEM will go to MDOS SC and select PBR By Keys or By Quantity from the MSC Dashboard options. Next the OEM will select the Windows key and the services key to bind. Once the keys are bound, a "Key(s) bound successfully" message confirms the service is attached. The Product Bind Report (PBR) is automatically generated after keys are bound and the report is submitted to Microsoft for processing.

Tip Tool: Bind service keys (such as Office 365) with Windows keys (such as Windows 10 OS) and report information back to Microsoft.

6.2.1 Bind keys by keys

Tip Tool: Bind service keys (such as Office 365) with Windows keys (such as Windows 10 OS) by product key.

Step-by-Step:

1. Log into Smart Client using FFKI partner account credentials.

Microsoft Digital Opera 📴 📭 💷 💱 art Client _ X	
MDOS SMART CLIENT	

2. FFKI Partner will see the below Dashboard screen after logging into the Smart Client.

Microsoft Digita	al Operations S	Services Smart Clie	ent												– x
Hicrosoft												<u>ن</u>	6	* 🔺 📶	? ≜
Online	(CBR		PBR		R	evert	Returr	I TO ULP	Info	rmation		OA 3.0 Tool		Page
Search Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	L By Keys	t By Quantity	Edit Optional II	nfo Update OHR	EQ By Keys	By Quantity	Import	5 Refresh
									Keys	Count					
FFKI sagnik ffki Micro	osoft Agreemer	nt 5200003543 🔻	-			600	0	59	71		0	17		TES	т
	-					Tota	I	Fulf	illed	Ret	urned	Activation Enal	bled	Enviro	nment
KEYS OVERVIEW	N						Last 5 Transa	ction(s) Sum	mary					View All Transa	ctions 🗹
				17 AC 12 NO	TIVATION ENABLE	D						1000			
				= 5971 F	ULFILLED		CBR	Initiated	Sui	omitted	Inprogress	ACK Recei	ved	Completed	2
								<u> </u>		<u> </u>				_0	
_		6000					CBR	Initiated	Sul	bmitted	Inprogress	ACK Recei	ved	Completed	81
		KEYS						<u> </u>		<u> </u>	0	0-		-0	_
							CRD	Initiated	Sul	bmitted	Inprogress	ACK Recei	ved	Completed	1.2
							CDK	<u></u>		<u></u>					
								Initiated	Sul	bmitted	Inprogress	ACK Recei	ved	Completed	
							PBR	_		<u></u>				-0	2
NOTIFICATION															
		Fulfilled	Кеу	(1)	Consumed Ke	Ŷ	(1)	Bound Key		(1)	Exception		1		
		99 + **	eys stuck in fulfilled st	atus	0 Keys stu	ck in consumed	status	CBR si inform	ubmitted without (nation	DHR	Daily nu failed co	mber of MDOS service nnection(s) for today	es		
		Viev	w Fulfilled Key 🗹		View Cons	sumed Key 🛙	:	Viev	v Bound Key 🛛		View	exception(s)			
							© 2018 All Ri	ghts Reserved						Internet Conn	ection "I

3. Select By Keys under PBR.



4. Select the Window key and Service key and Store product The applicable combinations are:

One Bundle can be:

- One windows key + one service key
- One windows key + one/multiple store products
- One windows + one service key + one/multiple store products

O	line		CBR		PBR		Re	vert	Return To ULP		Info	ormation		OA 3.0 Tool		Page
Q	Ê			1	(E)	Ê	4 C	Ŧ	±.	<u>ئ</u>		Ø	<u>=</u> 0	≡Q	1Ì	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional	Info Update OF	IR By Keys	By Quantity	Import	Refresh
										Keys	Count					
-		<u>.</u> .					6000		597	1		0	17		TEST	
FFKI_s	agnik ffki_Micro	osoft Agreeme	nt 5200003543				0000			•					Environn	nent
							Total		Fulfill	ed	Re	turned	Activation Er	abled		
	WINDOWS KEY	Y						,				STORE PR	DUCT			
																- 11
	WINDOWS	KEY			×	۹	SERVICE	ζEΥ		×	٩	STORE	RODUCT		× ٩	
	10570-0		That an and a second second		Due dla Chabus		14055		to a second de transmissione	orunou	umb an					- 1
	MSFTPro	oductkeyia C	EMPartNumber	OEMPONUMBER	Bundle Status		WISFT	Productkeyid L	IcensablePartNum	ber DEMPON	umper	Part	Number PartDescri	ption		
	3258631	1316866		W10-46583-20000	Not Bundled		3258/	08017362 L	D9-00001	M1065-B	BY201509		66941 PQRefresh	PIK DSB 1		
	3258631	1316867		W10-46583-20000	Not Bundled		32587	08017363 L	D9-00001	M1065-B	BY201509		66942 PQRetresh	PTK DSB 2		
	3258631	1316868		W10-46583-20000	Not Bundled		32587	08017364 L	D9-00001	M1065-B	BY201509		-66943 OEPQRefre	esh PTK DSB 3		_
	3258631	1316869		W10-46583-20000	Not Bundled		32587	08017365 L	D9-00001	M1065-B	BY201509		66944 PQRefresh	PTK DSB 4		
	3258631	1316870		W10-46583-20000	Not Bundled		32587	08017366 L	D9-00001	M1065-B	BY201509		66945 PQRefresh	PTK DSB 5		_
	3258631	1316871		W10-46583-20000	Not Bundled		32587	08017367 L	D9-00001	M1065-B	BY201509		66946 PQRefresh	PTK DSB 7		
	3258631	1316872		W10-46583-20000	Not Bundled		32587	08017368 L	D9-00001	M1065-B	BY201509		66947 PQRefresh	PTK DSB 8		_
	3258631	1316873		W10-46583-20000	Not Bundled		32587	08017369 L	D9-00001	M1065-B	BY201509		66948 PQRefresh	PTK DSB 9		
	3258631	1316874		W10-46583-20000	Not Bundled		32587	08017370 L	D9-00001	M1065-B	BY201509		66949 PQRefresh	PTK DSB 10		_
	3258631	1316875		W10-46583-20000	Not Bundled		32587	08017371 L	D9-00001	M1065-B	BY201509		66950 PQRefresh	PTK DSB 11		
	H 4 1 2	2 3 4	 H Page 	1 of 500	10 -		4 4 1	2 3 4	> > Page	of 100	10 -	14 4	2 3	Page 1 of 3	10 -	
																_
														Close	Create Rundle	
														Clear	- Create Bundle	

5. Click on create bundle option. Once bundle is created, it will show in the table against the part number.

Clear Button: It will clear the created bundled.

6. After creating the bundles, click on save bundle button.

Image: Set by: By Cauntly Image: Set by	On	Online CBR PBR						Revert Return To ULP				Informa	Information				Page
vara Gerk kys by Keys by Keys by Cuantity init port Park by Keys by Cuantity by Keys	٢	Ĉ		9			Ď	\$		1	t		Ø	≡g	≡Q	D	5
WWDOWS KEY X Q MWDOWS KEY X X Q MWDOWS KEY X X Q MWDOWS KEY X X Q X X X X X X X X X X X X X X X X	rcn	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	/ By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh
MSTProductKeyl QEMPartNumber QEMPONumber W1045583-20000 Not Bundled 32556031366667 W1045583-20000 Not Bundled 3255708017263 Up90001 M1065-B87201599 3255708017264 DP90001 M1065-B87201599 3255708017267 DP90001 M1065-B87201599 3255708017269 DP90001 M1065-B87201599 3255708017269 DP90001 M1065-B87201599 3255708017269 DP90001 M1065-B87201599 3255708017269 DP90001 M1065-B87201599 3255708017270 DP90001 M1065-B87201599 325570801720 DP90001 M1065-B87201599 325570801720 DP90001 M106		WINDOWS	KEY			×	2	SERVICE N	ŒΥ		×	٩	STORE PROD	JCT		× ्	
MS: IProduct/winder EMS: IProduct/winder																	
¹ 3258/3136866 ¹ VID-4583-20000 Not Bundled ¹ 3257/001755 ¹ UD-00001 ¹ M105-B87/20159 ¹ 3257/001755 ¹ UD-055-B87/20159 ¹ 32587/001756 ¹ UD-00001 ¹ M105-B87/20159 ¹ 32587/001756 ¹ UD-00001 ¹ M105-B87/20159 ¹ 34A-6694 ¹ AA-6694		MSFIPro	ductKeyld C	EMPartNumber	OEMPONumber	Bundle Status		MSFT	ProductKeyld L	icensablePartNur	nber OEMPON	umber	PartNumb	er PartDescript	non		
325663131667 W10-45583-20000 Not Bundled 3256631316671 W10-45583-20000 Not Bundled 3256631316672 W10-45583-20000 Not Bundled 3256631316673 W10-45583-20000 Not Bundled 3256631316675 W10-45583-20000 Not Bundled 3256708017366 L09-00001 M105-887/201509 3258708017370 L09-00001 M105-887/201509 3258708017371 L09-00001 M105-887/201509 3258708017371 L09-00001 M105-887/201509 3258708017371 L09-0001 M105-887/201509 3258708017371 L09-0001 M105-887/201509 3136775 W10-45587/2000 M4A-66941 <		3258631	316866		W10-46583-20000	Not Bundled		32587	08017362 L	D9-00001	M1065-BI	BY201509	AAA-6694	1 PQRefresh P	TK DSB 1		
3258633316868 W10-4583-20000 Not Bundled 3258633316869 W10-4583-20000 Not Bundled 3258633316871 W10-4583-20000 Not Bundled 3258633316872 W10-4583-20000 Not Bundled 3258633316872 W10-4583-20000 Not Bundled 3258633316872 W10-4583-20000 Not Bundled 3258633316873 W10-4583-20000 Not Bundled 3258708017367 ID9-00001 M1055-B8Y201509 3258708017367 ID9-00001 M1055-B8Y201509 3258708017376 ID9-00001 M1055-B8Y201509 3258708017377 ID9-00001 M1055-B8Y201509 3258708017371 ID9-00001 M1055-B8Y201509 3258708017371 ID9-00001 M1055-B8Y201509 3258708017371 ID9-0001 M1055-B8Y201509 3258708017371 ID9-		3258631	316867		W10-46583-20000	Not Bundled		32587	08017363 L	D9-00001	M1065-BI	BY201509	AAA-6694	2 PQRefresh P	TK DSB 2		
2 3256313669 W10-4553-20000 Not Bundled 2 325631316571 W10-4553-20000 Not Bundled 2 325631316572 W10-4553-20000 Not Bundled 2 325631316573 W10-4553-20000 Not Bundled 2 325631316573 W10-4553-20000 Not Bundled 2 325631316575 W10-4553-2000 Not Bundled 2 325631316575 W10-4553-2000 Not Bundled 2 325631316574 W10-4558-2000 Not Bundled 2 3 4 _ m m Page 1 ort 30 3 10 M & 2 3 m m W & 2 2 3 4 _ m m Page 1 ort 30 M & 2 2 3 m m Page 1 ort 3 M & 4 2 3 m m Page 1 ort 3 M & 4 2 3 m m Page 1 ort 3 M & 4 2 3 m m Page 1 ort 3 M & 4 66941 W10-4558-2000 Not 5 M & 4 66941 W1 4 2 3 m m		3258631	316868		W10-46583-20000	Not Bundled		32587	08017364 L	D9-00001	M1065-BI	BY201509	AAA-6694	3 OEPQRefres	h PTK DSB 3		
325863336870 W10-4583-2000 Not Bundled 325863336871 W10-4583-2000 Not Bundled 325863336872 W10-4583-2000 Not Bundled 325863336873 W10-4583-2000 Not Bundled 325863336874 W10-4583-2000 Not Bundled 325863336875 W10-4583-2000 Not Bundled 325863336874 W10-4583-2000 Not Bundled 325863336875 W10-4583-2000 Not Bundled W10-2 2 3 4 MM Page 1 of 500 Multipee W10-4583-2000 Not Bundled S25863336875 W10-4583-2000 Not Bundled W10-4583-2000 Not Bundled MI05-BBY201599 W10-4583-2000 Not Bundled MI05-BBY201590 W10-4583-2000 Not Bundled MI0-4584 W10-4		3258631	316869		W10-46583-20000	Not Bundled		32587	08017365 L	D9-00001	M1065-B	BY201509	AAA-6694	4 PQRefresh P	TK DSB 4		
3256631316671 W10-46583-20000 Not Bundled 3256631316672 W10-46583-20000 Not Bundled 325631316673 W10-46583-20000 Not Bundled 325631316673 W10-46583-20000 Not Bundled 325631316675 W10-46583-20000 Not Bundled 325631316675 W10-46583-20000 Not Bundled 325631316675 W10-46583-20000 Not Bundled 325831316875 W10-46583-20000 Not Bundled 325831316875 W10-46583-20000 Not Bundled W11 < 2 3 4 m m		3258631	316870		W10-46583-20000	Not Bundled		32587	08017366 L	D9-00001	M1065-B	BY201509	AAA-6694	5 PQRefresh P	TK DSB 5		
□ 32563136872 W10-45583-20000 Not Bundled □ 325631316873 W10-45583-20000 Not Bundled □ 325631316874 W10-45583-20000 Not Bundled □ 325631316875 W10-45583-20000 Not Bundled □ 325631316877 W10-45583-20000 Not Bundled □ 325631316877 W10-45583-20000 Not Bundled □ 325631316875 W10-45583-20000 Not Bundled □ 2 3 4 - m m< Page 1		3258631	316871		W10-46583-20000	Not Bundled		32587	08017367 L	D9-00001	M1065-BI	BY201509	AAA-6694	6 PQRefresh P	TK DSB 7		
□ 325663136673 W10-45633-20000 Not Bundled □ 325663136674 W10-45633-20000 Not Bundled □ 325663136675 W10-46533-20000 Not Bundled □ 3256708017371 L9-00001 M1065-887201509 □ # 1 0 f 500 10 m □ ■ 1 0 f 500 10 m □ □ 0 f 10 f 500 10 m □ □ 0 f 10 f 500 10 m □ □ 0 f 10 f 500 </td <td></td> <td>3258631</td> <td>316872</td> <td></td> <td>W10-46583-20000</td> <td>Not Bundled</td> <td></td> <td>32587</td> <td>08017368 L</td> <td>D9-00001</td> <td>M1065-BI</td> <td>BY201509</td> <td>AAA-6694</td> <td>7 PQRefresh P</td> <td>TK DSB 8</td> <td></td> <td></td>		3258631	316872		W10-46583-20000	Not Bundled		32587	08017368 L	D9-00001	M1065-BI	BY201509	AAA-6694	7 PQRefresh P	TK DSB 8		
□ 2256631316874 W10-46583-20000 Not 58m/201599 □ 2256631316875 W10-46583-20000 Not 58m/201599 □ 1 2 3 4 □ 0 100 M1005-BBY201599 □ 0 1 2 3 0 100 0 100 □ 0 1 2 3 0 100 0 100 □ 0 1 2 3 0 100 0 100 □ 0 1 2 3 0 100 0 100 □ 0 1 2 3 0 100 0 100 □ 0 1 2 3 0 100 0 100 □ 0 1 2 3 0 100 0 100 □ 0 1 2 3 0 100 0 100 □ 0 1 2 3 0 100 0 100 □ 0 1 2 3 0 100 0 100 □ 0 1 3 0 100 0 100		3258631	316873		W10-46583-20000	Not Bundled		32587	08017369 L	D9-00001	M1065-BI	BY201509	AAA-6694	8 PQRefresh P	TK DSB 9		
■ 2258631316875 W10-46583-20000 Not Bundled ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■		3258631	316874		W10-46583-20000	Not Bundled		32587	08017370 L	D9-00001	M1065-B	BY201509	AAA-6694	9 PQRefresh P	TK DSB 10		
Image: 1 Image		3258631	316875		W10-46583-20000	Not Bundled		32587	08017371 L	D9-00001	M1065-B	BY201509	AAA-6695	0 PQRefresh P	TK DSB 11		
Mindows Keys Service Keys Part Number Action 3136275 3185329 AAA-66941 Image: Compare Service Keys W10-46583-20000 Image: Compare Service Keys AAA-66941 Image: Compare Service Keys LDS-00001 Image: Compare Service Keys Image: Compare Service Keys Image: Compare Service Keys LDS-00001 Image: Compare Service Keys Image: Compare Service Keys Image: Compare Service Keys LDS-00001 Image: Compare Service Keys Image: Compare Service Keys Image: Compare Service Keys LDS-00001 Image: Compare Service Keys Image: Compare Service Keys Image: Compare Service Keys LDS-00001 Image: Compare Service Keys Image: Compare Service Keys Image: Compare Service Keys LDS-00001 Image: Compare Service Keys Image: Compare Service Keys Image: Compare Service Keys LDS-00001 Image: Compare Service Keys Image: Compare Service Keys Image: Compare Service Keys LDS-00001 Image: Compare Service Keys Image: Compare Service Keys Image: Compare Service Keys LDS-00001 Image: Compare Service Keys Image: Compare Service Keys Image: Compare Service Keys LDS-00001 Image: Compare Service Keys Image: Compare Service Keys Image: Compare Service Keys LDS-00001 Image: Compare		H (1 2	3 4	Page	1 of 500	10 -		H 4 1	2 3 4	Page	1 of 100	10	H 4 1 2	3) H	Page 1 of 3	10	
Windows Keys Service Keys Part Number Action 3136275 \$315329 \$315329 \$\$15329 \$\$15329 W10-46583-20000 LD9-00011 \$\$AA-66941 \$\$\$16														ථ	Clear 🕄	F Create Bundle	с.
3136775 3135329 AAA-66941 W10-46583-20000 ID5-0001 Image: Comparison of the second se			Wir	ndows Keys			Service	Keys		Part Number						Action	
		3136275 KJ7-00001 W10-46583-2	20000			3185329 LD9-00001				AAA-66941						Ê	
														ff Remove	All	Save Bundle	
	L																

7. A confirmation window will pop up to confirm your selection. Click CONFIRM.

On	nline CBR PBR								Return	To ULP	Inforr	nation		OA 3.0 Tool		
ζ	Ď	E		Ē		Ê	\$			1		Ø	≡g	≡Q	Ť	5
rch	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	y By Keys	By Quanti	Edit Optional Int	o Update OHR	By Keys	By Quantity	Import	Refresh
	WINDOWS	KEY			×	۹	SERVICE I	KEY		×	٩	STORE PROD	UCT		x ्	1
	MSFTPro	oductKeyId C	EMPartNumber	OEMPONumber	Bundle Status		MSFT	ProductKeyId L	icensablePartNum	ber OEMPO	Number	PartNumb	er PartDescript	tion	_	
Ľ	3258631	1316866		W10-46583-20000	Not Bundled		32587	08017362 L	D9-00001	M1065	-BBY201509	AAA-6694	1 PQRefresh P	TK DSB 1		1
	3258631	1316867		W10-46583-20000	Not Bundled		32587	08017363 L	D9-00001	M1065	-BBY201509	AAA-6694	2 PQRefresh P	TK DSB 2		
	3258631	1316868		W10-46583-20000	Not Bundled		32587	08017364 L	.D9-00001	M1065	-BBY201509	AAA-6694	3 OEPQRefres	h PTK DSB 3		
	3258631	1316869		W10-46583-20000	Not Bundled		32587	08017365 L	D9-00001	M1065	-BBY201509	AAA-6694	4 PQRefresh P	TK DSB 4		
	3258631	1316870		W10-46583-20000	Not Bundled			nfirm PBR By I	Kevs	X S	-BBY201509	AAA-6694	5 PQRefresh P	TK DSB 5		
	3258633	1316871		W10-46583-20000	Not Bundled					5	-BBY201509	AAA-6694	6 PQRefresh P	TK DSB 7		
	3258631	1316872		W10-46583-20000	Not Bundled				an an anna alta buandlait	5	-BBY201509	AAA-6694	7 PQRefresh P	TK DSB 8		
	3258631	1316873		W10-46583-20000	Not Bundled			e you sure you wa	nt to save the bundle	5	-BBY201509	AAA-6694	8 PQRefresh P	TK DSB 9		
	3258631	1316874		W10-46583-20000	Not Bundled		E			5	-BBY201509	AAA-6694	9 PQRefresh P	TK DSB 10		
	3258631	1316875		W10-46583-20000	Not Bundled		CAI S CAI	NCEL	2	ONFIRM	-BBY201509	AAA-6695	0 PQRefresh P	TK DSB 11		
[14 4 1 2	2 3 4	▶ ► Page	1 of 500	10 •		H 4 1	2 3 4	 M Page 	1 of 10	0 10	H 4 1 2	3 • H	Page 1 of 3	10 -	
													0	Clear S	[¢] Create Bundle	
		Wi	ndows Keys			Service I	Keys		Part Number						Action	
	3136275 KJ7-00001 W10-46583-2	20000			3185329 LD9-00001				AAA-66941						Ŵ	
													t Remove	e All 🔛	Save Bundle	
								© 2019 All	Diahta Decenced						Internet Connec	tion

8. Once the keys are Bundled, a "Bundled Successfully" message will briefly pop up in the green highlighted banner.

	u	вк		PBR	(Rev	ert	Return T	o ULP	Inforr	nation			OA 3.0 Tool		Page
Ê		(III)	Ē	E	Ê	4	Ŧ	_ ≜	1 L		Ø	2	≡g	≡Q	↓	5
h Get Keys I	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional In	o Update	OHR	By Keys	By Quantity	Import	Refres
									Keys	Count						
sagnik ffki Microsof	ft Agreemen	t 5200003543 🔻				6000		597:	1	C			17		TEST	
						Total		Fulfille	ed	Retu	ned		Activation Ena	abled	Environn	ient
Bundled Succ	cesstul !														^	
WINDOWS KEY						SERVICE KEY					STORE PF	RODUCT-				
WINDOWS KEY	Y			×	٥	SERVICE KEY	Y		×	Q	STORE	PRODUCT	T		×Q	
MSFTProdu	ictKeyld Of	EMPartNumber OE	MPONumber	Bundle Status		MSFTPro	ductKeyld Lio	ensablePartNumb	er OEMPONur	mber	Par	tNumber	PartDescriptio	n		
MSFTProdu	ictKeyld OF 6866	EMPartNumber OE	MPONumber 10-46583-20000	Bundle Status Bundled		MSFTPro	ductKeyld Lic 017362 LD	ensablePartNumb 9-00001	er OEMPONur M1065-BBY	nber 201509	Par	tNumber A-66941	PartDescriptio	n K DSB 1		
MSFTProdu	otKeyld Of 6866 6867	EMPartNumber OE W:	MPONumber 10-46583-20000 10-46583-20000	Bundle Status Bundled Not Bundled	-	MSFTPro	ductKeyld Lic 017362 LD 017364 LD	ensablePartNumb 9-00001 9-00001	er OEMPONur M1065-BBY M1065-BBY	mber '201509 '201509	Par AA	tNumber A-66941 <mark>A-66942</mark>	PartDescriptio PQRefresh PTI PQRefresh PTI	en K DSB 1 K DSB 2	-	
MSFTProdu 3258631310 3258631310 3258631310	101Keyld 01 6866 6 6867 6 6868 6	EMPartNumber OE W: W: W:	MPONumber 10-46583-20000 10-46583-20000 10-46583-20000	Bundle Status Bundled Not Bundled Not Bundled		MSFTPro 3258708 3258708 3258708	ductKeyid Lio 017362 LD 017364 LD 017365 LD	ensablePartNumb 9-00001 9-00001 9-00001	er OEMPONur M1065-BBY M1065-BBY M1065-BBY	nber (201509 (201509 (201509	Par AAu AAu	tNumber A-66941 A-66942 A-66943	PartDescriptio PQRefresh PTI PQRefresh PTI OEPQRefresh	n K DSB 1 K DSB 2 PTK DSB 3		
MSFTProdu 3258631310 3258631310 3258631310 3258631310	101Keyid 08 6866 6867 6868 6868 6868 6869 6869	EMPartNumber OE W: W: W: W: W:	MPONumber 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000	Bundle Status Bundled Not Bundled Not Bundled Not Bundled		MSFTPro 3258708 3258708 3258708 3258708	ductKeyld Lo 017362 LD 017364 LD 017365 LD 017366 LD	ensablePartNumb 9-00001 9-00001 9-00001 9-00001	er OEMPONur M1065-BBY M1065-BBY M1065-BBY M1065-BBY	nber (201509 (201509 (201509 (201509	Par AAA AAA AAA	tNumber A-66941 A-66942 A-66943 A-66944	PartDescriptio PQRefresh PTI PQRefresh PTI OEPQRefresh PQRefresh PTI	K DSB 1 K DSB 2 PTK DSB 3 K DSB 4		
MSFTProdu 3258631310 3258631310 3258631310 3258631310 3258631310	tetkeyid 08 6866 - 6867 - 6868 - 6869 - 6870 -	EMPartNumber OE W: W: W: W: W:	MPONumber 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000	Bundle Status Bundled Not Bundled Not Bundled Not Bundled Not Bundled		MSFTPro 3258708 3258708 3258708 3258708 3258708	iductKeyid Lio 017362 LD: 017364 LD: 017365 LD: 017366 LD: 017366 LD:	ensablePartNumb 9-00001 9-00001 9-00001 9-00001 9-00001	er OEMPONur M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY	mber (201509 (201509 (201509 (201509 (201509	Par	tNumber A-66941 A-66942 A-66943 A-66944 A-66945	PartDescription PQRefresh PTI PQRefresh PTI OEPQRefresh PQRefresh PTI PQRefresh PTI	IN K DSB 1 K DSB 2 PTK DSB 3 K DSB 4 K DSB 5		
MSFTProdu 3258631310 3258631310 3258631310 3258631310 3258631310 3258631310	actKeyld OE 6866 - 6867 - 6868 - 6869 - 6870 - 6871 -	EMPartNumber OE W: W: W: W: W: W: W:	MPONumber 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000	Bundle Status Bundled Not Bundled Not Bundled Not Bundled Not Bundled		MSFTPro 3258708 3258708 3258708 3258708 3258708 3258708 3258708	iductXeyid Lic 017362 LD: 017364 LD: 017365 LD: 017366 LD: 017367 LD: 017368 LD:	ensablePartNumb -00001 -00001 -00001 -00001 -00001 -00001	er OEMPONur M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY	mber (201509 (201509 (201509 (201509 (201509 (201509	Par	tNumber A-66941 A-66942 A-66943 A-66944 A-66945 A-66946	PartDescription PQRefresh PTI PQRefresh PTI OEPQRefresh PTI PQRefresh PTI PQRefresh PTI	IN K DSB 1 K DSB 2 PTK DSB 3 K DSB 4 K DSB 5 K DSB 7		
MSFTProdu 3258631314 3258631314 3258631314 3258631314 3258631314 3258631314 3258631314	octKeyid OE 6866 6867 6868 6869 6869 6870 6871 6872	EMPartNumber OE W: W: W: W: W: W: W: W: W:	MPONumber 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000	Bundle Status Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled		MSFTPro 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708	iductXeyid Lic 017362 LD: 017364 LD: 017365 LD: 017366 LD: 017367 LD: 017368 LD: 017368 LD:	ensablePartNumb 3-00001 3-00001 3-00001 3-00001 3-00001 3-00001 3-00001	er OEMPONur M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY	nber 201509 201509 201509 201509 201509 201509 201509	Par	tNumber A-66941 A-66942 A-66943 A-66944 A-66945 A-66946 A-66947	PartDescription PQRefresh PTI PQRefresh PTI OEPQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI	K DSB 1 K DSB 2 PTK DSB 3 K DSB 4 K DSB 5 K DSB 7 K DSB 8		
MSFTProdu 3258631314 3258631314 3258631314 3258631314 3258631314 3258631314 3258631314 3258631314	CELKEYIG OE 6866 - 6867 - 6868 - 6869 - 6869 - 6870 - 6871 - 6872 - 6873 -	EMPartNumber OE W3 W3 W4 W4 W4 W4 W4 W4 W4 W4 W4 W4 W4 W4 W4	EMPONumber 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000	Bundle Status Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled		MSFTPro 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708	InductKeyId Lic 017362 LD 017364 LD 017365 LD 017366 LD 017367 LD 017368 LD 017369 LD 017369 LD 017369 LD 017369 LD	ensablePartNumb 9-00001 9-00001 9-00001 9-00001 9-00001 9-00001 9-00001	er OEMPONur M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY	nber 201509 201509 201509 201509 201509 201509 201509 201509	Par	Number A-66941 A-66942 A-66943 A-66944 A-66945 A-66946 A-66947 A-66948	PartDescription PQRefresh PTI PQRefresh PTI OEPQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI	IN K DSB 1 K DSB 2 PTK DSB 3 K DSB 4 K DSB 5 K DSB 7 K DSB 8 K DSB 8		
MsFtProdu 325863131(325863131(325863131(325863131(325863131(325863131(325863131(325863131(325863131(325863131(CtKeyld OE 68666 6 6867 6 6868 6 6869 6 6870 6 6871 6 6872 6 6873 6	EMPartNumber OP	MPONumber 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000	Bundle Status Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled		MSFTPro 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708	ductKeyld Lic 017362 LD 017364 LD 017365 LD 017366 LD 017367 LD 017368 LD 017369 LD 017369 LD 017369 LD 017369 LD 017370 LD 017371 LD	ensablePartNumb -00001 -00001 -00001 -00001 -00001 -00001 -00001 -00001	er OEMPONUr M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY	nber 201509 201509 201509 201509 201509 201509 201509 201509	Par	Number A-66941 A-66942 A-66943 A-66943 A-66944 A-66945 A-66946 A-66947 A-66948 A-66949	PartDescription PQRefresh PTI PQRefresh PTI OEPQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI	M K DS8 1 K DS8 2 PTK DS8 3 K DS8 4 K DS8 4 K DS8 7 K DS8 8 K DS8 9 K DS8 10		
MSFTProdu 3255631314 3255631314 3255631314 3255631314 3255631314 3255631314 3255631314 3255631314 3255631314	CtKeyld OE 68666 6 6867 6 68680 6 68670 6 68670 6 6870 6 6871 6 6873 6 6874 6 6875 6	EMPartNumber Ol W W W W W W W W W W W W W W W W W W W	MPONumber 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000	Bundle Status Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled		MSFTP70 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708	ductkeyid Lic 017362 LD 017364 LD 017365 LD 017366 LD 017367 LD 017368 LD 017369 LD 017369 LD 017370 LD 017370 LD 017371 LD 017372 LD	ensablePartNumb 3-00001 3-00001 3-00001 3-00001 3-00001 3-00001 3-00001 3-00001 3-00001 3-00001	er OEMPONUr M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY	nber 201509 201509 201509 201509 201509 201509 201509 201509 201509	Par	tNumber A-66941 A-66942 A-66943 A-66944 A-66945 A-66946 A-66947 A-66948 A-66949	PartDescription PQRefresh PTI PQRefresh PTI OEPQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI	IN K DSB 1 K DSB 2 PTK DSB 3 K DSB 4 K DSB 4 K DSB 5 K DSB 7 K DSB 10 K DSB 11		
MSFTProdu 3258631314 3258631314 3258631314 3258631314 3258631314 3258631314 3258631314 3258631314 3258631314	CtKeyld OB 6866 6 6867 6 6868 6 6870 6 6871 6 6872 6 6873 6 6875 6	MPartNumber OB W W W W W W W W W W W W W W W W W W W	MPONumber 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000	Bundle Status Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled		MSFTPro 3258708 2258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708	ductkeyd Lice 017362 LD 017364 LD 017365 LD 017366 LD 017367 LD 017368 LD 017369 LD 017369 LD 017370 LD 017371 LD 017372 LD	ensablePartNumb - 00001 - 00001 - 00001 - 00001 - 00001 - 00001 - 00001 - 00001	er OEMPONur M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY	mber 201509 201509 201509 201509 201509 201509 201509 201509	Par AA AA	tNumber A-66941 A-66942 A-66943 A-66944 A-66945 A-66947 A-66948 A-66947 A-66948	PartDescription PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI	n K DSB 1 K DSB 2 PTK DSB 3 K DSB 4 K DSB 5 K DSB 7 K DSB 8 K DSB 9 K DSB 10 K DSB 11		
MSFTProdu 2325663314 2325663314 2325663331 2325663131 2325663131 2325663131 2325663131 2325663131 2325663131 2325663131 2325663131 2325663131	CtKeyld OB 6866 6 6867 6 6868 6 6870 6 6871 6 6873 6 6874 6 6875 6	EMPartNumber OE	MPONumber 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 10-46583-20000 0-46583-20000 0-46583-20000	Bundle Status Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled Not Bundled		MSFTPro 3258708 2258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708 3258708	duttkeyld Lic 017362 Li 017364 Li 017365 Li 017366 Li 017367 Li 017368 Li 017369 Li 017370 Li 017371 Li 017372 Li 017373 Li 017374 Li 017375 Li 017371 Li 017372 Li	ansablabattNumb -00001 -000001 -000	er OEMPONun M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY M1065-BBY	mber 201509 201509 201509 201509 201509 201509 201509 201509	Par AAA AAA AAA AAA AAA AAA AAA A	Humber A-66941 A-66942 A-66943 A-66944 A-66945 A-66946 A-66947 A-66948 A-66949 A-66940 A-66945	PartDescriptio PQRefresh PTI PQRefresh PTI OEPQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI PQRefresh PTI	M K DSB 1 K DSB 2 PTK PTK DSB 3 K K DSB 4 K K DSB 5 K K DSB 7 K K DSB 8 K K DSB 9 K K DSB 10 K K DSB 11 of 3	10	

6.2.2 Bind keys by quantity

Tip Tool: Bind service keys (such as Office 365) with Windows keys (such as Windows 10 OS) by quantity.

Step-by-Step:

1. Log into Smart Client using FFKI partner account credentials.



Microsoft Digital	Operations Ser	vices Smart Clier	nt												– x
												ଜ 🕳	, r	* 🔺 📶 (9 🛓
Online	CBF	2		PBR		R	evert	Returr	n To ULP	Info	rmation		OA 3.0 Tool		Page
Q 🖺	1		1	F	Ê	占		.↑.	it.		Ø	≡Q	≡Q	ĥ	5
Search Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional I	nfo Update OHR	By Keys	By Quantity	Import	Refresh
									Keys	Count					
FFKI_sagnik ffki_Micros	oft Agreement 5	5200003543 🔻				600	0	59	71		0	17		TES	r j
	-					Total Fulfilled Re				Ret	urned	ed	Environment		
KEYS OVERVIEW	KEYS OVERVIEW						Last 5 Transa	ction(s) Sum	many					View All Transad	tions 🗹
				17 AC	FIVATION ENABLED	· _		ction(s) sum	mary						
				5971	ULFILLED		CBR	Initiated	Sul	bmitted	Inprogress	ACK Receiv	ed	Completed	128
							Con	<u> </u>		<u>~</u>	O			—©	
								Initiated	Sul	bmitted	Inprogress	ACK Receiv	ed	Completed	
_	60 KE	000 EYS					CBR	_		ø	<u> </u>	O		-0	2
								Initiated	Sul	bmitted	Inprogress	ACK Receiv	ed	Completed	
							CBR	_		- <u>></u>				-0	2
								Initiated	Su	bmitted	Inprogress	ACK Receiv	ed	Completed	
							PBR							0	2
										•		· ·		0	
NOTIFICATION															
		Fulfilled K	Кеу	(1)	Consumed Key	/	(1)	Bound Key		(i)	Exception		(1)		
	999 Keys stuck in fulfilied status					s stuck in consumed status CBR submitted without OHR information			Daily number of MDOS services failed connection(s) for today						
	View Fulfilled Key 🗹 View Consur						:	Viev	w Bound Key 🛙		View E	exception(s)			
							© 2018 All Ri	ghts Reserved						Internet Conne	ection

3. Select By Quantity under PBR.

0	ıline	(CBR	PRR			R	evert	Retur	n To ULP	Informa	tion		Page		
Q	Ď	H	(III)	1		Ê	\$		<u></u>	t		Ø	≡g	≡Q	ţ	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

4. Groups of window key can be mapped with group of service key and a list of Store products.

PO No.: PO No.: OCM PO.No: OCM PO.No: W10-46623-72000 QTY: 49825 QTY: 49825			Service Key	AAT-70442 Ori and the Blind Forest: Definitive Edition PTK	Í
H () H Page of 1			AAT-70449 AAT-70450		
WINDOWS KEYS	SERVICE KEYS	PART NUMBER	QUANTITY		DELETE ROW
17-00001 /10-46622-50000	KJ7-00001 KJ7-00001	AAT-70438		485	Ē
				🔿 CLEAR	SAVE BUNDLE

5. Enter the quantity of keys to bind for each key selected.

6. Click on create bundle option. Once bundle is created, it will show in the table against the part number.

Clear Button: It will clear the created bundled.

- 7. After creating the bundles, click on save bundle button.
- 8. A confirmation window will pop up to confirm your selection. Click CONFIRM.

Confirm PBR by Quantity Store Products Image: Arrow of the period of the per	Edition PTK			0	
Confirm PBR by Quantity Store Products Att-70440 Att-70	Forest: Definitive				
Store Products	AAT-70440 AAT-70442 Halo: SS PTK Ori and the Blind	AAT-70438 A Halo: Spartan H Assault PTK	BR by Quantity X you want to continue with save	Confirm Are you s pbr Quan	
QTY: 1		QTY: 1 Store Products			

9. Once the keys are Bundled, a "Bundled Successfully" message will briefly pop up in the green highlighted banner.

FKI_FFKI_Test_Aamir_Microsoft Agreement 5000043726	79500 Total	79335 Fulfilled	0 Returned	0 Activation Enabled	PROD Environment
Bundled Seccessfully !!!!					×
WINDOWS KEY			SERVICE AND PRODUCT KEY		
PartNo: KI7-00001 PO No:: OEM PO.No: 0EM PO.No: W10-46623-72000 QTY: 29505 QTY: 49825			Search by part No. Service Key KJ7-00001		
			Store Products		
			AAT-70438 AAT- Halo: Spartan Halo Assault PTK	70440 : SS PTK Ori and the Forest: Def Edition PTK	Blind
N A 1 N N Page of 1			AAT. 70449	70450	~
					CREATE BUNDLE
	© 2017 All P	lights Researed			

6.2.3 Import PBR

Tip tool: Import PBR feature allows partners to bind windows keys with service keys/store products available in their inventory using a file from local disk.

Step-by-Step:

1. Log into Smart Client using FFKI partner account credentials.



Microsoft Digital Op	erations Services Sm	art Client												– x	
Hicrosoft											ŵ 🛋	0 F	* 🔺 71	0 👗	
Online	CBR		PBR		Re	evert	Return	TO ULP	Info	rmation		OA 3.0 Tool		Page	
Search Get Keys B	y Keys By Quan	atity By Keys	By Quantity	Import PBR	Sy Keys	By Quantity	▲ By Keys	t By Quantity	Edit Optional In	nfo Update OHR	By Keys	EQ By Quantity	Import	5 Refresh	
								Keys	Count						
FFKI_sagnik ffki_Microsoft	Agreement 52000035	43 🔻			6000)	59	71		0	17		TI E Envir	EST	
							Total Fulfilled Returned						- 2000	onnen	
KEYS OVERVIEW	KEYS OVERVIEW							mary					view All Trans	actions 🕑	
			17 AC	TIVATION ENABLED	,		1.00.1.1				ACK D		C 1.1.1		
			5971	FULFILLED		CBR	Initiated	Su		inprogress	ACK Kecely	/ed	Completed	2	
							<u> </u>		<u> </u>		0		-0		
	6000					CBR	Initiated	Sul	bmitted	Inprogress	ACK Receiv	ved	Completed	12	
	KEYS						<u> </u>		v	6	0		-0		
						CRP	Initiated	Sul	bmitted	Inprogress	ACK Receiv	ved	Completed	12	
						CDK	<u></u>		_ ~_ ~_						
	<u>_</u>						Initiated	Sul	bmitted	Inprogress	ACK Receiv	ved	Completed		
						PBR	<u>_</u>		<u></u>				-0	2	
NOTIFICATION	_														
	Fi	ulfilled Key	(1)	Consumed Key		(1)	Bound Key		(1)	Exception		(1)			
	999 Keys stuck in fulfilled status					Keys stuck in consumed status (D CBR submitted without OHR) CBR submitted without OHR			Daily nur failed cor	nber of MDOS service inection(s) for today	5				
	View Fulfilled Key 🖄 View Consun						Viev	v Bound Key 🛛		View E	xception(s) 🖪				
										_					
						© 2018 All Ri	ghts Reserved						Internet Con	nection	

3. Select Import PBR under PBR.

Or	line	(CBR	PRR			R	evert	Retur	n To ULP	Informa	tion		OA 3.0 Tool	OA 3.0 Tool		
Q	Ĉ	ľ	() I	1	Ē	Ê	\$		<u></u>	t		Ø	≡Q	≡Q	Ť	3	
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh	

4. Click on download template.

Online	nline CBR PBR					Re	vert	Retur	To ULP	Informa	tion	OA 3.0 To			Page
Q 🛱		()	Ē	Ē	Ĉ	\$	∎	<u>.</u> ↑	<u>ئ</u>		Ø	≡₽	≡Q	Ţ,	5
Search Get Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh
									Keys	Count					
FFKI_sagnik ffki_Micro	FFKI sagnik ffki Microsoft Agreement 5200003543 🔻							59	71	0		17		TEST	
						Total		Ful	illed	Returne	ed	Activation Ena	bled	* Environi	nent
	PBR	Import : Choo	ose PBR File to Im	nport					+	Browse 🛇	Clear 生 D	ownload Template	e		
							No Data	Found!							
5. Once the template is downloaded , you can check the format in which key details need to be entered.

Pa	tiste Clipboard ₪	alibri ▼ 11 ▼ A		Alignment	Wrap Text Merge & Cer	nter - Pr	rotect tection	eneral • • % • Number	▼ €.0 .00 .00 →.0	Conditional Formatting ▼
11		Jx								
	A	В	C	D	E	F	G	Н	1	J
1	Windows Product Key ID	Service Product Key ID	Store Part Number							
2										
3										
4										
5										

6. To import the PBR data from file, click on browse button from import PBR section.

Online	CBR		PBR		R	evert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
Q 🖞	=	Ē	E	Ê	4		<u>t</u>	<u>ئ</u>		Ø	≡Q	=Q	Ţ	5
Search Get Keys	By Keys By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh
								Keys	Count					
FFKI_sagnik ffki_Micro	osoft Agreement 5200003543 🤻	•			6000)	5	971	0		17		TEST Environr	nent
					Tota		Fu	filled	Returne	d	Activation En	abled		
	PBR Import : Cho	ose PBR File to In	nport					•	Browse 🛇 🛛	Clear 👱 Do	ownload Templa	te		

Clear Button: It will clear the selection.

7. Select the file from your local system and click open.

Microsoft Digit	al Operations Services S	mart Client													– x
Microsoft											Ĝ	a ₀	*	🌲 🔁 🧿	
Online	CBR		PBR		R	evert	Retur	n To ULP	Inform	ation		OA 3.	0 Tool		Page
ዲ 🛱			Ē	Ĉ	\$	Ŧ	<u></u> .	t		Ű	≡g	E	P	Ļ	5
Search Get Keys	By Keys By Qua	intity By Keys	By Quantity	Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Inf	o Update OHR	By Keys	By Qu	antity	Import	Refresh
PFKI_FFKi_clouds_M	icrosoft Agreement 52000 10056 CSV file to proce PBR Impor	08754 V as the PBR import t : Choose PBR File to	Import	Crganice + Crganice + Crganice + This PC Deck Deck Peter Video Local		PC → Local Disk	(D:) >		Date modified	Search Local Dia Type Microsoft Excel C Microsoft Excel C Excel Files (*.co Open	k (D-) Size Size 1 KB 157 KB			PROD	*
						© 2018 All R	ights Reserved	1					In	ernet Connec	tion

8. After selecting PBR import file, PBR import operation will start and you will receive notification once the import operation is completed.

Micr	osoft Digital	Operations	Services Smart C	lient				_	_								– x
Hic	rosoft												谷	•• ►	χ ♣²	4	*
Onli	ne	(CBR		PBR		Re	vert	Retur	n To ULP	Informa	tion		OA 3.0 Too			Page
Q	n n n	E		1	Ē	Ê	古			it.	0:	U	=0	≡Q			.5
Search	Get Kevs	By Keys	By Quantity	By Keys	By Quantity	لسے Import PBR	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Impo	t	Refresh
										Keys	s Count						^
				_			4725			· ،	0					PROD	
FFKI_FFKI	_cloud8_Mic	rosoft Agreen	nent 5200008754	•			4735			•	, in the second s		ŭ	·	🖉 Ei	nvironme	ent
							Total		Ful	filled	Returne	d	Activation I	Enabled			
	We are pro	ocessing you	ur PBR Import re	equest. The syste	m will notify you t	he PBR import st	tatus.										×
		PE	R Import : Do	Now Toxt Docum	ant cov						Drouwen O	Clear + D	ourslaad Tomo	lata			
			0.	livew lext bocume	enclosy						Browse G		ownioau iemp	nate			
100 - 1	0.1	1/ 10	C D		Ch		_	_		Ch. 1			_		_	_	-
Windo	ws Produc	t Key ID	Service Pro	duct key ID	Store Part NU	Imper		CO20 A AT 0110	7 4 4 4	status	002E Mindaw Inv. IE	ala sa satikala	a n én élé a na la	ate of herein and /in	Alas a du Dua	all a al	_
90069	400000202	15	901020034	12503	AA1-70449,A	MM-00922,MMM-1	00923,000-0	0929,AAI-0116	л, ммм	900694000002	1325 Window key ID	does not belo	ng to the sele	cted business/is	Already Bun	dlod	
90069	400000132	.5 26	901020034	12505						900694000001	1326 Window key ID	does not belo	ng to the sele	cted business/is	Already Bun	dled	
90069	400000132	27	901020034	12505						900694000001	1327 Window key ID	does not belo	ng to the sele	cted business/is	Already Bun	dled	
90069	400000132	8	901020034	12506						900694000001	1328 Window key ID	does not belo	ng to the sele	cted business/is	Already Bun	dled	
14 4	1 2 .	N Page	1 of 2														
9006	9/0000132	7 was not suc	careful while Bury	dling Pearon : 9006	9400001327 Winds	w key ID doer not i	helong to the rel	ected hurinerr <i>li</i> r	Already Bundler				^	D.			
5000			C L L L D						All Cody Durinice								
9006	940000132	s was not suc	cesstul while Bund	dling, keason : 9006	9400001328 Windo	W KEY ID does not t	belong to the sel	ected business/is	Aiready Bundled								
9006	9400000132	9 was not suc	cessful while Bund	dling, Reason : 9006	94000001329 Windo	w key ID does not b	belong to the sel	ected business/is	Already Bundled								
9006	9400000133	0 was not suc	cessful while Bung	dling, Reason : 9006	94000001330 Windo	ow key ID does not b	belong to the sel	ected business/is	Already Bundled								
We a	re rolling bac	k the 1 batch	data as we found	error while validati	ng PBR Data in datab	ase.											
	===== Cor	npleted Batch	1 of 1 process in	database =====													
	= PBR Import	completed. 1	Lout of 1 PBR bat	ches was not succes	sfully processed in d	atabase! =====							_				~
								© 2018 All Ri	ahts Reserved						Internet C	onnecti	on "I

9. Once the PBR is imported, you will see the notification message for successful PBR import.

Priority	Date	From	Message	
	8/20/2018 3:14:56 PM	Local	Batch 1 containing 7 PBR data was not successfully imported.	=
	8/20/2018 3:14:24 PM	Local	Batch 1 containing 7 PBR data was not successfully imported.	
	8/20/2018 5:03:21 AM	Local	6 Keys stuck in FulFilled status	
()	8/18/2018 4:13:15 PM	Local	6store products downloaded successfully	
•	8/18/2018 9:24:38 AM	Local	6 Keys stuck in FulFilled status	

6.3 UPDATE OHR (OEM HARDWARE REPORT)

Description:

The OEM Hardware Report (OHR) generally follows the Computer Build Report (CBR) and includes additional hardware data required by Microsoft, such as model number, screen size,

touch screen. Contrary to the name, the OHR is not optional, but is now required by Microsoft. Please refer to your agreement for details.

Tip Tool OEM Hardware Reporting (OHR) is a required by Microsoft for all injected Windows keys.

Step-by-step:

- 1. Log into Smart Client using FFKI partner account credentials.

2. FFKI Partner will see the below Dashboard screen after logging into the Smart Client.

Micros	oft Digital (Operations S	Services Smart Clie	ent												– x
- Micro	osoft												ଜ 🕳		* 🔺 📶 (o 🛓
Online		Ģ	BR		PBR		R	Revert	Return	TO ULP	Infor	mation		OA 3.0 Tool		Page
Q Search Ge	et Keys	By Keys	By Quantity	By Keys	By Quantity	Import PBR	By Keys	By Quantity	L By Keys	t By Quantity	Edit Optional Ir	fo Update OHR	By Keys	EQ By Quantity	Import	5 Refresh
										Keys	s Count					
FFKI_sagnik	ffki_Micros	oft Agreemer	nt 5200003543 🔻	,			600	10	59	71		0	17		TES	т
	_	-					Tota	al	Fulf	illed	Retu	urned	Activation Enabl	ed	Enviror	nment
KEYS O	VERVIEW							Last 5 Transa	ction(s) Sum	many				1	/iew All Transad	tions 🕑
					17 AC 12 NO	TIVATION ENABLED	<u>،</u>	Eust 5 manual	ction(s, sam	indiy						
					5971	FULFILLED		CBR	Initiated	Sul	bmitted	Inprogress	ACK Receiv	ed (Completed	12
									~ —		 —— 	6	<u> </u>		-0	
									Initiated	Sul	bmitted	Inprogress	ACK Receiv	ed (Completed	
		1	6000 KEYS					CBR			ø	<u> </u>	0-		-0	2
									Initiated	Su	bmitted	Inprogress	ACK Receiv	ed (Completed	
								CBR	_						-0	2
									Initiated	Sul	bmitted	Inprogress	ACK Receiv	ed (Completed	
								PBR	_		<u></u>				_0	2
									-		-	-	-		<u> </u>	
NOTIF	ICATION															
			Fulfilled	Кеу	(1)	Consumed Key	Ŷ	١	Bound Key		١	Exception		(1)		
			99+ Ke	eys stuck in fulfilled s	tatus	0 Keys stu	ck in consumed	l status	CBR s inform	ubmitted without (nation	DHR	Daily nur failed co	mber of MDOS services nnection(s) for today			
			Viev	w Fulfilled Key 🗷		View Cons	sumed Key [<u>.</u>	Viev	v Bound Key 🛙		View I	exception(s)	_		
								© 2018 All Ri	ahts Reserved						Internet Conne	ection

3. After clicking the "DashBoard" button, FFKI partner clicks on the Update OHR Button as shown in the below screen.

	licrosoft Digita	I Operations Se	rvices Smart Clien	t				_	_							– x
-	licrosoft												۵ d	6 F ¹	* 🖡 🕻	2
C	Inline	(EBR		PBR		Re	vert	Retur	1 To ULP	Informat	ion		OA 3.0 Tool		Page
Q	4	à	9	Ē		Ď	4	₽	<u></u>	1		Ø	≡Q	≡Q	L)	5
Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

4. After clicking Update OHR, the below screen will appear indicating a list of keys that require an OHR update.

▲ Search									
MS Fulfiled date									
From	m .	PRODUCT KEY		PRODUCT KEY I	D FROM	PRODUCT KEY ID TO	LICE	NSABLE PART NUMBER	Reset
То		PRODUCT KEY ID		OEM PART NUN	IBER	MS ORDER NUMBER	OEN	I PO NUMBER	Q Search
Product Key ID K	еу Туре	Key Status	Product Key		Licensable Name		_		
2033212 S	ervice	Bound	XXXXX-XXXXX->	XXXX-XXXXX-X	WINHMENTTBLT 2N1 10	OLCOA3			
2033213 Sr	ervice	Bound	XXXXX-XXXXX-X	XXXXX-XXXXX-X	WINHMENTTBLT2N110	DLCOA3			
2033214 Se	ervice	Bound	XXXXX-XXXXX-X	XXXXX-XXXXX-X	WINHMENTTBLT 2N1 10	OLCOA3			
2033216 Sr	ervice	Bound	XXXXX-XXXXX->	XXXXX-XXXXX-X	WINHMENTTBLT 2N1 10	OLCOA3			
2033220 S	tandard	Bound	XXXXX-XXXXX-	XXXXX-XXXXX-X	WINHMENTTBLT 2N1 10	OLCOA3			
2033221 S	tandard	Bound	XXXXX-XXXXX->	XXXXX-XXXXX-X	WINHMENTTBLT2N110	DLCOA3			
2033222 S	tandard	Bound	XXXXX-XXXXX-X	XXXXX-XXXXX-X	WINHMENTTBLT 2N1 10	OLCOA3			
2033223 S	tandard	Bound	XXXXX-XXXXX->	XXXXX-XXXXX-X	WINHMENTTBLT2N110	DLCOA3			
2033224 S	tandard	Bound	XXXXX-XXXXX-	XXXXX-XXXXX-X	WINHMENTTBLT 2N1 10	OLCOA3			
	tandard	Bound	XXXXX-XXXXX->	XXXXX-XXXXX-X	WINHMENTTBLT2N110	DLCOA3			

5. Partner can select the keys whose OHR data they want to update. After entering the OHR information, click on SAVE button.

MS Fulfiled date					
From	PRODUCT KEY	PRODUCT KEY ID FROM	PRODUCT KEY ID TO	LICENSABLE PART NUMBER	Reset
То	PRODUCT KEY ID	OEM PART NUMBER	MS ORDER NUMBER	OEM PO NUMBER	Q Search
MS Product Key	MS Product Key	Кеу Туре	Key Status	Product Key	Licensable Name
3258631582349	2033247	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT2N110OLCOA3
3258631582350	2033248	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT 2N1 10 OLCOA3
3258631582350	2033249	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT2N110OLCOA3
3258631582351	2033250	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT 2N1 10 OLCOA3
3258631582351	2033251	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT2N110OLCOA3
3258631582352	2033252	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT 2N1 10 OLCOA3
3258631582352	2033253	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT2N110OLCOA3
3258631582353	2033254	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT 2N1 10 OLCOA3
3258631582353	2033255	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT2N110OLCOA3
3258631582354	2033256	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT 2N1 10 OLCOA3
1 1 2 3 4 1	Page 1 of 13 Page Size				
Touch Screen	▼	PC MODEL SKU NUMBER	SCREEN SIZE		Reset
ORM FACTOR CLASS		FORM FACTOR SUB CLASS			Update OHR

6. Once partner clicks the Save button, a confirmation window will pop up to confirm your selection. Click CONFIRM.

WS Fulfiled date					
From	PRODUCT KEY	PRODUCT KEY	ID FROM PRODUCT KEY	LICENSABLE PART NUMBER	Reset
То	m PRODUCT KEY ID	OEM PART NU	IMBER MS ORDER NU	UMBER OEM PO NUMBER	Q. Search
MS Product Key	MS Product Key	Кеу Туре	Key Status	Product Key	Licensable Name
3258631582349	2033247	Standard	Confirm edit optional	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT2N110OLCOA3
3258631582350	2033248	Standard	information	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT 2N1 10 OLCOAS
3258631582350	2033249	Standard	Are you sure you want to continue with edit	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT2N1100LCOA3
3258631582351	2033250	Standard	optional info?	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT 2N1 10 OLCOAS
3258631582351	2033251	Standard		XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT2N110OLCOA3
3258631582352	2033252	Standard	⊗ CANCEL CONF	FIRM XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT 2N1 10 OLCOAS
3258631582352	2033253	Standard	Bound		WINHMENTTBLT2N110OLCOA3
3258631582353	2033254	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT 2N1 10 OLCOAS
3258631582353	2033255	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT2N110OLCOA3
3258631582354	2033256	Standard	Bound	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	WINHMENTTBLT 2N1 10 OLCOAS
8 4 1 2 3 4) M M P	age 1 of 13 10 - Page Size				
NON-TOUCH	•	PC MODEL SKU NUMBER		SCREEN SIZE	Reset
RM FACTOR CLASS		FORM FACTOR SUB CLASS			Update OHR

7. Once the keys optional info is edited, a "Key optional Information updated successfully." message will briefly pop up in the green highlighted banner or a "Key optional Information updated failed." message will briefly pop up in the red highlighted banner.

			Keys Cou	unt		
FKI FFKI Test Aamir MicrosoftAgreem	ent 5000043726	79499	78857	0	0	PROD
		Total	Fulfilled	Returned	Activation Enabled	Environment
Key OHR Data Updated Suces	isfully					×
UPDATE OEM HARDWARE REPORT	(OHR) DETAILS					
▲ Search						
MS Fulfiled date						
From	PRODUCT KEY	PRODUCT KEY ID FROM	PRODUCT KEY ID TO	LICENSABLE P	ART NUMBER	Reset
То	PRODUCT KEY ID	OEM PART NUMBER	MS ORDER NUMBER	OEM PO NUM	BER	Q Search
MS Product Key	MS Product Key	Кеу Туре	Key Status	Product Key	Licensat	ole Name
3258631582349	2033247	Standard	Bound	XXXXX-XXXXX-XXX	XX-XXXXX-XXXXX WINHM	ENTTBLT2N110OLCOA3
3258631582350	2033248	Standard	Bound	XXXXX-XXXXX-XXX	XX-XXXXX-XXXXX WINHM	ENTTBLT 2N1 10 OLCOA3
3258631582350	2033249	Standard	Bound	XXXXX-XXXXX-XXX	XX-XXXX-XXXXX WINHM	ENTTBLT2N110OLCOA3
3258631582351	2033250	Standard	Bound	XXXXX-XXXXX-XXX	XX-XXXXX-XXXXX WINHM	ENTTBLT 2N1 10 OLCOA3
3258631582351	2033251	Standard	Bound	XXXXX-XXXXX-XXX	XX-XXXX-XXXXX WINHM	ENTTBLT2N110OLCOA3
3258631582352	2033252	Standard	Bound	XXXXX-XXXXX-XXX	XX-XXXX-XXXXX WINHM	ENTTBLT 2N1 10 OLCOA3
3258631582352	2033253	Standard	Bound	XXXXX-XXXXX-XXX	XX-XXXXX-XXXXX WINHM	ENTTBLT2N110OLCOA3
2250624502252	2033254	Standard	Bound	XXXXX-XXXXX-XXX	XX-XXXX-XXXXX WINHM	ENTTBLT 2N1 10 OLCOA3
3236031362333						
3258631582353	2033255	Standard	Bound	XXXXX-XXXXX-XXX	XX-XXXXX-XXXXX WINHM	ENTTBLT2N110OLCOA3

6.4 EDIT OPTIONAL INFORMATION

Description:

OEM Optional Information report, provides additional optional reporting fields that can be reported as part of the Computer Build Report (CBR) and OEM Hardware Report (OHR). This includes additional hardware details fields such as, OEM Extended Identifier, Country, PEV (Promotional Code), Channel Relationship ID, and Selling Location.

Tip Tool: OEM Hardware Report (OHR) follows a CBR and includes additional hardware data that is required by Microsoft.

Step-by-step:

1. Log into Smart Client using FFKI partner account credentials.

Microsoft Digital Opera 🗟 🕨 🗆 🛱 art Client 🔤 X	
MDOS SMART CLIENT	
LOGIN	

2. FFKI Partner will see the below Dashboard screen after logging into the Smart Client.

Microsoft Digital Operations Service	es Smart Client											– x		
										ŵ 🕳 🕅	► 🗶 🔺 ⁷¹ (0 👗		
Online CBR		PBR		F	levert	Return	To ULP	Info	rmation	OA 3.0	Tool	Page		
Search Get Keys By Keys By	Quantity By Keys	By Quantity	Import PBR	Sy Keys	By Quantity	L By Keys	By Quantity	Edit Optional I	Info Update OHR	By Keys By Qua	antity Import	5 Refresh		
							Keys	Count						
FFKI_sagnik ffki_Microsoft Agreement 520	0003543 🔻			600	0	59	71		0	17	TEST Environ	ment		
				Tota	al	Fulfi	lled	Ret	turned	Activation Enabled				
KEYS OVERVIEW		17 AC	TIVATION ENABLED		Last 5 Transa	ction(s) Sumr	nary				View All Transact	tions 🗹		
		= 12 NG	DTIFIED BOUND			Initiated	Sul	omitted	Inprogress	ACK Received	Completed			
		59/1	FULFILLED		CBR	<u></u>		<u></u>	-0		0			
5000					Initiated	Sul	omitted	Inprogress	ACK Received	Completed	-			
6000 KEYS	6000 KEYS				CBR	<u></u>		<u></u>	-0	O	©	2		
							CDD	Initiated	Sul	omitted	Inprogress	ACK Received	Completed	
							CBK	<u></u>		<u></u>			<u> </u>	2
						Initiated	Sul	omitted	Inprogress	ACK Received	Completed			
					PBR	_		<u></u>			6	2		
NOTIFICATION														
Nonincarion	Fulfilled Key	0	Consumed Key			Bound Key		0	Exception	0				
		Ŭ			Ŭ	,		Ŭ		Ŭ				
999 Keys stuck in fulfilled status 0 Keys stuck i			k in consumed	status	CBR su inform	bmitted without (ation	DHR	Daily nu failed co	nber of MDOS services nnection(s) for today					
	View Fulfilled Key 🛽		View Const	umed Key 🛙		View	Bound Key 🛛		View	exception(s)				
	_				© 2018 All R	ights Reserved				_	Internet Conne	ctionI		
					e Eolo All Ki	igino neserveu								

3. After clicking the "Dashboard" button, FFKI partner clicks on the Update OHR Button as shown in the below screen.

-	An Microsoft Digital Operations Services Smart Client											— X					
	- Mi	crosoft												<u>ہ</u>	6 P ¹ >	< 🔺 🤅	
	On	line	(BR		PBR		Re	evert	Retur	n To ULP	Informat	ion		OA 3.0 Tool		Page
Γ	Q	4		T	Ē		Ê	4		<u></u>	<u>ئ</u>		Ø	≡Q	≡Q	Ť	5
	Search	Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Optional Info	Update OHR	By Keys	By Quantity	Import	Refresh

4. After clicking the Edit Optional Info button, the below screen will appear indicating a list of keys whose OHR data can be updated.

From	Product Key	Product N	(ey ID From	Product Key ID To	Licensable Part Number		Reset		
То	Product Key ID	OEM Par	t Number	MS Order Number	OEM PO Number		Q. Search		
Product Key	Product Key Id	_	Licensable Part Nun	nber OEM P	art Number	Licensable Name			
2033220	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001			WINHMENTTBLT	2N1 10 OLCOA3		
2033221	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001			WINHMENTTBLT	2N110OLCOA3		
2033222	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001			WINHMENTTBLT	2N1 10 OLCOA3		
2033223	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001			WINHMENTTBLT	2N110OLCOA3		
2033224	XXXXX-XXXXX-XXXXX-XXXXX KJ7-00001 WINHMENTTBLT 2N1 10 OLCOA3								
2033225	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001			WINHMENTTBLT	2N110OLCOA3		
2033226	XXXXX-XXXXX-XXXXX-XXXXX KJ7-00001 WINHM					WINHMENTTBLT	MENTTBLT 2N1 10 OLCOA3		
2033227	XXXXX-XXXXX-XXXXX-XXXXX-XX	XXXXX-XXXXX-XXXXX-XXXXXX KJ7-00001 WINHMENTTBLT2N1100LC0A3							
2033228	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001			WINHMENTTBLT	2N1 10 OLCOA3		
2033229	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001			WINHMENTTBLT	2N110OLCOA3		
H I H Page 1 of 1									
DEM EXTENDED IDENTIFIER	From Factor Class	PC Model	SKU Number	Program Eligibility Values	Touch Screen	•	Reset		
Sell In Location Region	Manufacture GEO Location	From Fact	or Sub Class	Screen Size	Channel Relationship I	D	Save		

5. Partner can select the keys whose OHR data they want to update. After entering the OHR information, click on SAVE button.

▲ Search						
MS Fulfiled date						
From	Product Key	Product Ke	y ID From	Product Key ID To	Licensable Part Number	Reset
То	Product Key ID	OEM Part	Vumber	MS Order Number	OEM PO Number	Q Search
Product Key	Product Key Id	_	Licensable Part Nu	mber OEM Part N	lumber Licensable N	ame
2033220	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001		WINHMENT	TBLT 2N1 10 OLCOA3
2033221	XXXXX-XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001		WINHMENT	TBLT2N110OLCOA3
2033222 XXXXX-XXXXX-XXXXXX XXXX XXXXX XXXX						
2033223 XXXXX-XXXXX-XXXXXX XXXX K17-0001 WINHMENTTBLT2N1100LC0A3						
2033224	XXXXX-XXXXX-XXXXX-XXXXX KJ7-0001 WINHMENTTBLT 2N1 10 OLCAR					
2033225	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001		WINHMENT	TBLT2N110OLCOA3
2033226	XXXXX-XXXXX-XXXXX-XXXXX KJ7-0001 WINHMENTTBLT 2N1 10 OL					TBLT 2N1 10 OLCOA3
2033227	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001		WINHMENT	TBLT2N110OLCOA3
2033228	XXXXX-XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001		WINHMENT	TBLT 2N1 10 OLCOA3
2033229	XXXXX-XXXXX-XXXXX-XX	XXX-XXXXX	KJ7-00001		WINHMENT	TBLT2N110OLCOA3
H () Page 1 of 1						
OEM EXTENDED IDENTIFIER	From Factor Class	PC Model S	KU Number	Program Eligibility Values	Touch Screen	Reset
Sell In Location Region	Manufacture GEO Location	From Facto	r Sub Class	Screen Size	Channel Relationship ID	Save

6. Once partner clicks the Save button, a confirmation window will pop up to confirm your selection. Click CONFIRM.

From	Product Key	Product Key	ID From	Product Key ID To		Licensable Part Number		Reset
To	Product Key ID OEM P		Part Number MS Order Number			OEM PO Number		Q. Search
Product Key	Product Key Id	_	Licensable Part Number		OEM Part Number	_	Licensable Name	2
☑ 2033220	XXXXX-XXXXX-XXXXX-XXXXX	X-XXXXX	Confirm edit optiona	l 🗙			WINHMENTTBLT	2N1 10 OLCOA3
2033221	XXXXX-XXXXX-XXXXX-XXXXX	X-XXXXX	Information				WINHMENTTBL	2N110OLCOA3
2033222	XXXXX-XXXXX-XXXXX-XXXXX	X-XXXXX	Are you sure you want to continue with edit optional info?			WINHMENTTBL	2N1 10 OLCOA3	
2033223	XXXXX-XXXXX-XXXXX-XXXXX	X-XXXXX	optional mo.				WINHMENTTBL	2N110OLCOA3
2033224	XXXXX-XXXXX-XXXXX-XXXXX	X-XXXXX		CONFIRM			WINHMENTTBL	2N1 10 OLCOA3
2033225	XXXXXX-XXXXX-XXXXX-XXXXXX-XXXXXX						WINHMENTTBL	2N110OLCOA3
2033226	XXXXX-XXXXX-XXXXX-XXXXX-XXXXXX		KJ7-00001				WINHMENTTBL	2N1 10 OLCOA3
2033227	2033227 XXXXX-XXXXX-XXXXX-XXXXX			KJ7-00001 WINHMENTTBLT2N1100L				
2033228	XXXXX-XXXXX-XXXXX-XXXXX	X-XXXXX	KJ7-00001 WINHMENTIBLT 2N1 10 0					2N1 10 OLCOA3
_ 2033229	XXXXX-XXXXX-XXXXX-XXXXX-XXXXX	X-XXXXX	KJ7-00001				WINHMENTTBL	2N110OLCOA3
H C D Page 1 of 1								
OEM EXTENDED IDENTIFIER	From Factor Class	PC Model SKL	J Number	Program Eligibility V	alues	TOUCH	•	Reset
Sell In Location Region	Manufacture GEO Location	strfd		eargfd		wsdfv		Save

7. Once the keys OHR info is edited, a "Key optional Information updated successfully." message will briefly pop up in the green highlighted banner or a "Key optional Information updated failed." message will briefly pop up in the red highlighted banner.

Eurckey Optional Information					
▲ Search					
MS Fulfiled date					
From	B Product Key	Product Key ID From	Product Key ID To	Licensable Part Number	Reset
То	Product Key ID	OEM Part Number	MS Order Number	OEM PO Number	Q Search
Product Key	Product Key Id	Licensable Part Num	iber OEM Part M	lumber Licens	able Name
2033220	XXXXX-XXXXX-XXXXX-XXXX	XX-XXXXX KJ7-00001		WINH	MENTTBLT 2N1 10 OLCOA3
2033221	XXXXX-XXXXX-XXXXX-XXXX	XX-XXXXX KJ7-00001		WINH	MENTTBLT2N110OLCOA3
2033222	XXXXX-XXXXX-XXXXX-XXXXX	XX-XXXXX KJ7-00001		WINH	MENTTBLT 2N1 10 OLCOA3
2033223	XXXXX-XXXXX-XXXXX-XXXX	XX-XXXXX KJ7-00001		WINH	MENTTBLT2N110OLCOA3
2033224	XXXXX-XXXXX-XXXXX-XXXXX	XX-XXXXX KJ7-00001		WINH	MENTTBLT 2N1 10 OLCOA3
2033225	XXXXX-XXXXX-XXXXX-XXXX	XX-XXXXX KJ7-00001		WINH	MENTTBLT2N110OLCOA3
1 2000220	XXXXX-XXXXX-XXXXX-XXXXX	XX-XXXXX KJ7-00001		WINH	MENTTBLT 2N1 10 OLCOA3
2033226		XX-XXXXX KJ7-00001		WINH	MENTTBLT2N110OLCOA3
2033226 2033227	XXXXX-XXXXX-XXXXX-XXXX			WINH	MENTTRIT 2N1 10 OLCOA3
2033226 2033227 2033228	XXXXX-XXXXX-XXXX-XXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX	XX-XXXXX KJ7-00001		a vitati	

FRU_FRU_Test_Aamir_Microsoft Agreement 5000043720 Key optional information updated failed! Edit Key Optional Information Search Product Key Product Key Product Key Product Xey 2033220 XXXXXXX 2033221 XXXXXXX 2033223 XXXXXXX 2033223 XXXXXXX 2033225 XXXXXXX XXXXXXX XXXXXXX XXXXXX XXXX	E Key Id 20000-20000-20000-2000 20000-20000-2000 20000-20000-2000 20000-20000-2000	79500 Total Licensable Part N XX Ki7-0001 XX Ki7-0001 XX Ki7-0001 XX Ki7-0001	79335 Fulfilled Number	0 Returned	0 Activation Enabled Ucensable Name WINHMENTBLT WINHMENTBLT WINHMENTBLT WINHMENTBLT	PROD GENVIRONMENT X 201 10 0LC0A3 201100LC0A3 201100LC0A3 201100LC0A3
Key optional information updated failed! Edit Key Optional information • Search Product Key Product 2033220 XXXXXX 2033221 XXXXXX 2033223 XXXXXXX 2033224 XXXXXXX 2033225 XXXXXXX 2033224 XXXXXXX 2033225 XXXXXXX 2033226 XXXXXXXX	t Key Id 20000-20000-20000-2000 20000-20000-20000-2000 20000-20000-20000-2000	Total Licensable Part N XXX K17-00001 XXX K17-00001 XXX K17-00001 XXX K17-00001 XXX K17-00001 XXX K17-00001 XXX K17-00001	Fulfilled	Returned OEM Part Number	Activation Enabled	211 10 OLCOA3 211 10 OLCOA3 211 10 OLCOA3 211 10 OLCOA3 211 10 OLCOA3
Key optional information updated failed! Edit Key Optional Information • Search 1 2033220 2033221 2033222 2033223 2033224 2033225 2033225 2033226 2033227 2033228 2033227 2033227	t Key Id 20000-20000-20000-2000 20000-20000-20000-2000 20000-20000-20000-2000	Licensable Part N XX K17-00001 XX K17-00001 XX K17-00001 XX K17-00001 XX K17-00001	Number	OEM Part Number	Ucensable Name WINHMENTTBLT WINHMENTTBLT WINHMENTTBLT WINHMENTTBLT	× 2011001C0A3 72011001C0A3 72011001C0A3 72011001C0A3
Edit Key Optional Information Search Product Key Product 2033220 XXXXXXX 2033221 XXXXXX 2033221 XXXXXX 2033223 XXXXXX 2033223 XXXXXXX 2033225 XXXXXXX 2033225 XXXXXXX 2033226 XXXXXXXX 2033226 XXXXXXXX 2033226 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	t Key Id 10000-10000-10000-1000 10000-0000-10000-1000 10000-0000-1000 10000-0000-1000	Licensable Part N XX K17-00001 XX K17-00001 XX K17-00001 XX K17-00001 XX K17-00001 XX K17-00001	Number	OEM Part Number	Licensable Name WINHMENTELT WINHMENTELT WINHMENTELT WINHMENTELT	2 7 2N1 10 OLCOA3 7 2N1 10 OLCOA3 7 2N1 10 OLCOA3 7 2N1 10 OLCOA3
Search Product Key Product Z 2033220 XXXXX-X 2033221 XXXXX-X 2033221 XXXXX-X 2033223 XXXXXX 2033224 XXXXXXX 2033224 XXXXXXX 2033226 XXXXXXX	t Key Id XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXX-XXXX XXXXX-XXXX-XXXX-XXXX XXXXX-XXXXX-XXXX-XXXX XXXXX-XXXXX-XXXX-XXXX	Licensable Part N XX KJ7-00001 XX KJ7-00001 XX KJ7-00001 XX KJ7-00001 XX KJ7-00001	Number	OEM Part Number	Licensable Name WINHMENTTBLT WINHMENTTBLT WINHMENTTBLT WINHMENTTBLT	2 7 2N1 10 OLCOA3 7 2N1 10 OLCOA3 7 2N1 10 OLCOA3 7 2N1 10 OLCOA3
Product Key Product 2033220 XXXXX-X 2033221 XXXXX-X 2033222 XXXXX-X 2033223 XXXXX-X 2033224 XXXXX-X 2033225 XXXXX-X 2033226 XXXXX-X 2033275 XXXXX-X	t Key Id XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXXX-XXXXX-XXXXX-XXXX	Licensable Part N XX KJ7-00001 XX KJ7-00001 XX KJ7-00001 XX KJ7-00001 XX KJ7-00001	Number	OEM Part Number	Licensable Name WINHMENTBLT WINHMENTBLT WINHMENTBLT WINHMENTBLT WINHMENTBLT	2 7 2N1 10 OLCOA3 7 2N1 10 OLCOA3 7 2N1 10 OLCOA3 7 2N1 10 OLCOA3
Product Key Product 2033220 XXXXXX 2033221 XXXXXX 2033222 XXXXXX 2033223 XXXXXXX 2033224 XXXXXXX 2033225 XXXXXXX 2033226 XXXXXXX 2033227 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	t Key Id XXXXX-XXXXX-XXXX-XXXX XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXX	Licensable Part N XXX KJ7-00001 XXX KJ7-00001 XXX KJ7-00001 XXX KJ7-00001 XXX KJ7-00001 XXX KJ7-00001	Number	OEM Part Number	Licensable Name WINHMENTTBLT WINHMENTTBLT WINHMENTTBLT WINHMENTTBLT	2 10 0LCOA3 12N110 0LCOA3 12N1100LCOA3 12N110 0LCOA3 12N1100LCOA3
2033220 XXXXXX-X 2033221 XXXXX-X 2033222 XXXXX-X 2033223 XXXXX-X 2033224 XXXXX-X 2033225 XXXXX-X 2033226 XXXXX-X	XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX	XXX KJ7-00001 XXX KJ7-00001 XXX KJ7-00001 XXX KJ7-00001 XXX KJ7-00001 XXX KJ7-00001			WINHMENTTBLT WINHMENTTBLT WINHMENTTBLT WINHMENTTBLT	7 2N1 10 OLCOA3 72N110OLCOA3 7 2N1 10 OLCOA3 72N110OLCOA3
2033221 XXXXXX 2033222 XXXXXXX 2033223 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX	XX KJ7-00001 XX KJ7-00001 XXX KJ7-00001 XXX KJ7-00001 XXX KJ7-00001			WINHMENTTBLT WINHMENTTBLT WINHMENTTBLT	72N110OLCOA3
2033222 XXXXXX 2033223 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX XXXXX-XXXXX-XXXXX-XXXX	KJ7-00001 KJ7-00001 KJ7-00001 KJX KJ7-00001			WINHMENTTBLT	2N1 10 OLCOA3
2033223 XXXXX.X 2033224 XXXXX.X 2033225 XXXXX.X 2033226 XXXXX.X	xxxxx-xxxxx-xxxxx-xxx xxxxx-xxxxx-xxxxx-xxx	XX KJ7-00001 XXX KJ7-00001			WINHMENTTBLT	2N110OLCOA3
Z 2033224 XXXXX-X Z 2033225 XXXXX-X Z 2033226 XXXXX-X Z 2033226 XXXXX-X	xxxxx-xxxxx-xxxxx-xxx	XX KJ7-00001				
2033225 XXXXX-XX 2033226 XXXXX-XX 203327 XXXXX-XX					WINHMENTTBLT	2N1 10 OLCOA3
2033226 XXXXX-X	XXXXX-XXXXX-XXXXX-XXXX	XX KJ7-00001			WINHMENTTBLT	2N110OLCOA3
	xxxxx-xxxxx-xxxxx-xxx	XX KJ7-00001			WINHMENTTBLT	2N1 10 OLCOA3
2033227 ^^^^	XXXXX-XXXXX-XXXXX-XXXX	XX KJ7-00001			WINHMENTTBLT	2N110OLCOA3
2033228 XXXX-X	XXXXX-XXXXX-XXXXX-XXXX	XXX KJ7-00001			WINHMENTTBLT	2N1 10 OLCOA3
2033229 XXXXX-X	XXXXX-XXXXX-XXXXX-XXXX	XX KJ7-00001			WINHMENTTBLT	2N110OLCOA3
K K Pape 1 of 1						
OEM EXTENDED IDENTIFIER From Factor Class	P	PC Model SKU Number	Program Eligibility V	Values Touch S	creen 🔻	Reset

SECTION 7. SETTINGS

7.1SETTINGS DASHBOARD

Instruction:

Settings dashboard will provide the health report of the SC application, partners can identify the internet connection, database and MDOS services health from this screen



Internet connection

Monitor Internet connection displays connection name, connection status and connection speed of the internet connection which is currently used by the machine.

Microsoft Digital Operations Services Smart Client		– x
Hicrosoft		ŵ 🖦 🏲 🗶 🛓
Setting Dashboard System	Business	
Internet Connection Good Health Montor Internet Connection	Database Health	MDOS Services
	Summary of Connection	C Refresh Connection Status
	Connection Name Internet Connection	in
	Connection Status GOOD HEALTH	
	Connection Speed 1 GB	
	© 2018 All Rights Reserved	InternetConnection

Database Connection

Monitor Database connection displays connection name, connection status and the size of database in the current machine.

Microsoft Digital Operatio	ons Services Smart Client			– x
				🟠 🖦 🏲 🗶 🔺 👗
Setting Dashboard	System	Business		
Internet Connection	Good Health Monitor Internet Connection	Dat	tabase Health	MDOS Services
			Summary of Connection	© Refresh Connection Status
			Connection Name Database Connection	
			Connection Status GOOD HEALTH	
			Database Size 16.00 MB	
			© 2018 All Rights Reserved	InternetConnection 🔐

MDOS Services

Monitor MDOS services displays connection name, total number of connections made with MDOS services, failed connections and connection status in MDOS SC.

Microsoft Digital Operations Services Smart Client		– x
Hicrosoft		ራ 🏎 🏲 🗶 🜲
Setting Dashboard	(III) Business	
Internet Connection	Database Health	MDOS Services
Summary of Connection Connection Name MDOS Services Total connection(s) 5511 Failed connection(s) 0 Connection Status all	Log will Appear In This Box	© Refresh Connection Status
	© 2018 All Rights Reserved	InternetConnection

Note:

You can use refresh connection status option to refresh the connection data. Once the connection setting refreshed successfully, it will show confirmation message.

Microsoft Digital Operations Services Smart Client		– x
Hicrosoft		🟠 🐟 🏲 🗶 👗
Setting Dashboard	Eusiness	
Internet Connection Good Health	Database Health Good Health Setting Page Refresh Setting Page refresh successful Setting Page refresh successful	MDOS Services
Summary of Connection		C Refresh Connection Status
Connection Name MDOS Services		С
Total connection(s) 5511	Log will Appear In This Box	
Failed connection(s) 0		
Connection Status		
	© 2018 All Rights Reserved	InternetConnectiontl

7.2SYSTEM SETTING

Instruction:

System settings screen will allow the partner to configure the key transaction time intervals, configure the export and import location, configure the disconnection notification reminders etc.

Microsoft Digital Oper	ations Services Smart Client							– x
Hicrosoft				ŝ	٥		* +	*
Setting Dashboard	System	Business						
	System							^
	Service Name		Service URL					
	GET KEYS SERVICE	•	net.tcp://localhost.9600/DownloadHostService/Microsoft.MDOS.FFKI.DownloadService.DownloadKeysService					
	Auto Key Transaction		PBR Interval(minutes)					
	Auto CBR		5					
	Report Interval (minutes)		Fulfiliment Interval (minutes)					
	5		5					
	Return (minutes)		Auto DPK Status Interval(minutes)					
	5		5					
	Import Location		C\Program Files (x88)(MDOS(MDOS SC Import 2) Change Location					
	Export Location		C:\Program Files (x86)\MDOS\MDOS SC Export					
	Others							
	Previous Timeline (day)		Disconnected Hour Re	ninder				~
			© 2018 All Rights Reserved			Inter	netConnec	tion ₋₁₁ 1
				©2018 Mic	rosoft Terr	ns of use	Privacy 8	cookies

Service Name and URL

This field shows the service name and the URL along with the port number used to connect the service. This contains the fulfillment service (Get keys), Return and CBR key service.

System	
Service Name	Service URL
GET KEYS SERVICE	net.tcp://localhost.9600/DownloadHostService/Microsoft.MDOS.FFKI.DownloadService.DownloadKeysService
Service Name	Service URL
RETURN KEYS SERVICE	net.tcp://localhost.9603/ReturnServiceHost/Microsoft.MDOS.FFKI.ReturnService.ReturnKeys
System	
Service Name	Service URL
CBR KEYS SERVICE	net.tcp://localhost.9602/CBRReportService/Microsoft.MDOS.FFKI.ReportService.CBRReportService

Auto Key Transaction

Auto Key Transaction	PBR Interval(minutes)
Auto CBR	10
Report Interval (minutes)	Fulfillment Interval (minutes)
50	10
Return (minutes)	Auto DPK Status Interval(minutes)
10	10

1. Auto CBR

Auto submit CBR (Computer Build Report) functionality allows automatic CBR submission to the up-level partners. Check the box to select AUTO SUBMIT CBR to turn on automated submission for the CBR.

2. Report interval

Sets the report interval (in minutes). It will run report key service at regular interval of time which is configured by the partner. The minimum time interval partner can set up is 5 minutes whereas there is no limit for maximum.

3. Return interval

Sets the return interval (in minutes). It will run return key service at regular interval of time which is configured by the partner. The minimum allowed time is 5 minutes whereas there is no limit for maximum.

4. PBR interval

Sets the PBR interval (in minutes). It will run bundle key service at regular interval of time which is configured by the partner. The minimum allowed time is 5 minutes whereas there is no limit for maximum.

5. Fulfillment Interval

Sets the fulfillment interval (in minutes). It will run key fulfillment service at regular interval of time which is configured by the partner. The minimum allowed time is 5 minutes whereas there is no limit for maximum.

6. Auto DPK Status Interval

Sets the DPK time interval (in minutes). It will run DPK sync service at regular interval of time which is configured by the partner. The minimum allowed time is 5 minutes whereas there is no limit for maximum.

7. Import and Export location

This option allows the partner to configure the default location where the export and import keys can be stored as XML files in the machine.

Import Location	D:\\MDOSSC_Import	🗗 Change Location
Export Location	D:\MDOSSC_Export	🗗 Change Location

8. Others

a. Previous timeline day

Set the day after which you will get reminder if the key status is not changed during this interval. If the key status remains same and exceeds the time line, it will show reminder.

b. Disconnected Hour reminder

This option allows to set the reminder hour in disconnected mode. If the application is not connected to internet (offline) and exceeds the reminder hour, it will show reminder message to the partner.

Others			
Previous Timeline (day)		Disconnected Hou	Ir Reminder
5	Disconnected Notification	2	•

7.3 BUSINESS SETTING

Instruction:

Business setting is used to display all the currently added business in MDOS FFKI SC.

Partner can perform key operations with all the business which is reflecting under this setting page.



7.4 PROXY SETTING

Instruction:

This functionality allows the FFKI partners to set up the proxy in MSC to limit or open the firewall settings to the server. Partners can set up the proxy using the below 3 options,

• **None:** Select this option to open network access systems (With free internet access).

- **Use IE Proxy setting:** Partner can choose this option if they have a special proxy setting which allows to use system browser cache to bypass firewall settings.
- **Customize:** This is completely customized option where partner can set host and port details along with special user credentials using which they can access the internet/MDOS services.

Microsoft Digital Operations Ser	vices Smart Client							- :
Microsoft						ŵ • •	<u>×</u> +	0
Setting Dashboard	System	UIII. Business	Proxy	Restore Data				
		R Proxy Setting						
		None						
		 Use IE Praxy Set 	ting					
		 Customize 						
		Host						
		Port						
		UserName						
		Password						
		Bypass	proxy server for local addresses					
					Save 🖺			

7.5 DATABASE RESTORE

Instruction:

This functionality allows the FFKI partners to restore the data in MSC in case of server or machine crash. Partner can install the MSC again and submit the request to restore the data which was available before the crash so that the data will be restored.

Note:

- MSC database restore feature is only available for PROD environment.
- MSC database restore can be done only for the businesses that are configured on current machine.

To restore the data in MSC, please follow the below steps.

Step-by-Step:

1. Click on 'Settings' icon from top navigation bar and click on 'Restore Data' tab.

Microsoft Digital Operations Ser	vices Smart Client					– x
Hicrosoft						🔓 🖦 🏲 🗶 🗚 🕯 🗅
Setting Dashboard	System	Business	Proxy	Restore Data		
Internet Connection	✓ dealer lateret Canacian	Data	base Health	Good Development	MDOS Services	€ data data d
			© 2018 A	II Rights Reserved		Internet Connection

2. MSC will connect to MDOS services to fetch the business for restoration.

Microsoft Digital Operations Se	ervices Smart Client		ē	F 0 ¥					– x
- Microsoft						<u>ش</u>	r x	<mark>.≱</mark> 27 ⑦	*
Setting Dashboard	System	Business	P roxy	Restore Data					
	📮 Restore Request								
		1 Initiated Restore Reason * Restore Please wait whi Important Note! © Perform the restor © Make sure the syst © Restoration time d © Restore duration is	2 Busin Please Select Reason e we are connecting with MDOS atton process during non-busis em is connected to internet as pends upon the system perfor the time duration when the k	ess Selection S there is a service business profile(s Server to retrive business profile(s ess hours and not going into sleep mode rmance and the total number of rmance are the total number of eys were fulfilled to FFRILx or N	3 Summary (9)	Next +			
			© 2018 A	II Rights Reserved			Ir	ternet Connectio	on _{"till}

3. You will be presented with restore request screen to submit the request to restore the data.



4. Please select the reason for the restoration.

Microsoft Digital Operations Services Smart Client		R 7	•					– x
Microsoft					<u>ش</u>	* 🖊	7	.
Setting Dashboard System	Business	Proxy	Restore Data					
📮 Restore Request								
	1 Initiated	• 2 Business	Selection 🕒	3 Summary ©				
	Restore Reason *	Please Select Reason	▼					
	Restore Duration (UT	System/server crashed Others						
	Important Note!							
	 Perform the restora Make sure the syste Restoration time de Restore duration is 	ation process during non-business em is connected to internet and ne pends upon the system performa the time duration when the keys o	hours ot going into sleep mode nce and the total number of key vere fulfilled to FFKI1.x or MSC	15				
					Next +			

5. Please select the restore duration, this is the time where the keys are fulfilled to FFKI1.x or MSC and you want to restore it. For example if the partner wants to restore all the keys that were downloaded in FFKI1.x or MSC in the last 6 months, select 6 Months option and click on next button.



6. Select the business(s) for which you need to restore data and click on next button.

Microsoft Digital Operatio	ns Services Smart Client						– x
						Ĝ 🛥 M	* 🔺 🔁 🕐 👗
Setting Dashboard	System	Business	Proxy	Restore Data			
	📮 Restore Request						
		1 Initiated	I 🗸 2 Business	Selection (9	3 Summary ()		
	Business Name: FFKI ULP Name: GEMM IP Representative Name	_v-kusudh_Microsoft Agreemen IFORMATICA S.R.L. :: v-kusudh	Business Name: FFKI_v-guab@ ULP Name: Shuttle Inc. Representative Name: v-guab	Dmicrosoft.com_Micros @microsoft.com			
						+ Previous Next +	
100-70			© 2018 All R	ights Reserved			Internet Connection

7. From the summary page, review all the information provided correctly and click on request button. In case partner need to make changes, they can go back to previous page and do the necessary changes.

Microsoft Digital Operatio	ns Services Smart Client									– x
- Microsoft						Ĺ	j 🗣	r ×		*
Setting Dashboard	System	Business	Proxy	Restore Data						
	📮 Restore Request									
		1 Initiated	I ✓ 2 Business	Selection 🗸	3 Summary [©]					
	Business Name: FF ULP Name: GEMM Representative Nar	KI_v-kusudh_Microsoft Agreemen INFORMATICA S.R.L. me: v-kusudh	Business Name: FFKL_v-gu ULP Name: Shuttle Inc.	ab@microsoft.com_Micros uab@microsoft.com						
	Restore Reason S	ystem/server crashed 🛛 🛗 Resto	pre Duration (UTC) From : 12/10	/2018 To:01/10/2019		+ Previous	Request			
			© 2018 All R	ights Reserved				li	nternet Connec	ion "I

8. A popup confirmation message box will appear. Click on confirm to submit restore request or click on cancel button.

<u>Note:</u> Once you confirm the request, you'll not be able to make any changes till the restoration is completed.

Microsoft Digital Operatio	ns Services Smart Client			0 ¥						– x
Microsoft						습	- 0 P	- *	<mark>.</mark> ₽	*
Setting Dashboard	System	Business	Re. Proxy	Restore Data						
	📮 Restore Request									
		1 Initiated	 2 Business 	Selection 🗸	3 Summary (9	_				
	Business Name: FF ULP Name: GEMM Representative Nar	KI_v-kusudh_Microsoft Agreemen INFORMATICA S.R.L. ne: v-kusudh	Restore Data Are you sure you want database restoration?	X to submit the request for						
			(CANCEL							
	Restore Reason S	ystem/server crashed 🛗 Resto	re Duration (UTC) From : 12/10	/2018 To:01/10/2019						
						+ Previous	Request			
			© 2018 All P	ights Reserved				Int	ernet Connecti	n all

 Once partner confirms, request will be submitted for data preparation and data backup from MDOS cloud will be in progress. Partners can see the progress in the 'Restore Status' section, 4 steps to complete the restoration.

Note: This will start the data preparation for restoration, once this is completed, partner must confirm again to start the restoration process.

- 10. Status can be identified through the color of the text as below,
 - a. Green Indicates the process is completed with tick mark
 - b. Purple Indicates the process is in progress
 - c. Grey Indicates the process is yet to start

Microsoft Digital Operation	ns Services Smart Client			- 						– x
Microsoft						<u>ش</u>	۲	* 🔺	?	*
Setting Dashboard	System	Business	Proxy	Restore Data						
	Restore Request Business Name: FFI ULP Name: GEMM Representative Nam Representative Nam Restore Reason S Restore Status:	1 Initiated KL_v-kusudh_Microsoft Agreemen INFORMATICA S.R.L. ne: v-kusudh ystem/server crashed Television (Restore request is initiated.) Database restore data is prep Database restoration process i Database restoration process i	✓ 2 Business Business Name: FFKL,-v.gu UUP Name: Shuttle Inc. Representative Name: v.gu re Duration (UTC) From : 12/10 ared. er to start the restoration. s completed.	Selection ✓ b@microsoft.com_Micros ab@microsoft.com /2018 To : 1/10/2019	3 Summary O	Restore				
			© 2018 AU D	ights Poson od				Internet	oppection	, al

11. Partners can still use MSC for the key's transaction while data preparation in progress. Once data preparation is completed, partner will be notified through alert message.

Microsoft Digital Operations Services Smart Client	報 - x
Hicrosoft	á 🕳 🏲 🗙 💶 🕲 🛓
Online CBR PBR Q Image: CBR Image: CBR Search Get Keys By Quantity By Keys By Quantity	Oate Integration 0 1/10/2019 2:37:31 PM Local Data preparation for restore request is completed. Click here 0 1/10/2019 2:37:31 PM Local Data preparation for restore request is completed. Click here 0 1/10/2019 2:37:31 PM Local Bet Keys Stuck In Fouriered status 0 1/10/2019 2:56721 AM Local Bet Keys Stuck In Fouriered status
FFRL_v-amdid FFRL_Microsoft Agreement 5000043809	0 1/10/2019 5:50:47 AM Local 281 Keys stuck in Bound status 0 1/10/2019 5:50:47 AM Local 281 Keys stuck in Bound status 0 1/9/2019 6:49:33 PM Local 281 Keys stuck in Bound status
EEYS OVERVIEW	LAST 5 TRANSACTIONS No Transaction(s) Found
NOTIFICATION	
Fulfilled Key ① Consumed Key ① Keys stuck in fulfilled status ② Keys stuck in consume	Bound Key Exception CBR submitted without OHR O CBR submitted without OHR O Tailed connection(s) for today
View Fulfitied Key Le	C 2018 All Rights Reserved Internet Connection

12. Partner can click the 'Click here' link or directly navigate to the data restoration page to view the total keys that will be restored for each business.

Microsoft Digital Operation:	s Services Smart Client		5 F	0 ¥							– x
- Microsoft							ŵ • •	L	*	17 ?	.
Constraint Setting Dashboard	System	Business	Proxy	Restore Data							
	Restore Request Business Name: Ff ULIP Name: EAM Representative NA Representative NA We found S000 key Restore Reason S Restore Reason S Restore Status:	1 Initiated R.,+kusudh, Microsoft Agreemen INTORMATICA S.R.L. es v-kusudh for restoration. ystem/server crashed Restor Patabase restore data is preps Awaiting confirmation from u Database restoration process i	2 Business Business Name: FFGL-yrg UF Name: Shuthe Inc. Business Shuthe Inc. We found 0 keys for restor re Duration (UTC) From : 12/10 ared. ser to start the restoration. completed.	Selection ✓	3 Summary (O)	-	Restor				
			© 2018 All R	ights Reserved					Internet	Connection	۱۲

13. Click on 'Restore' button to start the restoration process. A confirmation message box will appear for the final confirmation to start the restoration process.

Note: Once partner clicks on confirm button, MSC will be closed to start the data restoration process and partner cannot use the MSC until the process is completed. Hence it is recommended to start the restoration process during non-business hours to avoid any impact to the production.



Microsoft Digital Operation:	s Services Smart Client		ē ·							– x
Hicrosoft						ሪ	ন ≏ ০	•	K 🔺 🌃 🖪	
Setting Dashboard	System	Business	Proxy	Restore Data						
	📮 Restore Request									
		1 Initiated	✓ 2 Business	Selection 🗸	3 Summary (9					
	Business Name: FF ULP Name: GEMM & Representative Na We found 5000 key		Business Name: FTPQ_veg ULP Name: Shuttle Inc. Representative Name: ve WClosing the MSC applica	abgenicrosoft.com_Microsoft und de microsoft.com tion for restoration process						
		 Restore request is initiated. Database restore data is preproduction of the preproductio	re Duration (UTC) From : 12/10 ared. see to start the restoration. s completed.	7/2018 To:1/10/2019						
							Restore			

14. While restoration in progress, partners are not allowed to use MSC application and will get the below popup message if MSC application is launched during this process.

MDOS Sn	nart Client	×
Í	MDOS SC Restoration is in progress, please wait until the restore is completed.	
	ОК	

- 15. Partner can launch MSC after SLA mentioned during the restore confirmation to check if the restoration is completed.
- 16. From the restoration page, you can see the completed status of data restoration. Click on Ok button to complete the process.



17. Once restoration is complete, you can navigate to dashboard-> select the business and see the restored keys. You can now perform key operations with restored keys.

SECTION 8. ADVANCE FEATURES

8.1 MIGRATION

Instruction:

This functionality allows the FFKI partners to migrate the data from current FFKI1.x version to MDOS SC.

Partners can migrate to SC during installation, if in case they don't want to do the migration during installation, they can do it using this option.

Step-by-step:

1. Click on user image on the top right of FFKI SC and select migration option.												
Microsoft Digital Operations S	ervices Smart Client										-	– x
- Microsoft											<u>ش</u>	r ¹ x 🗚 🤉 👗
Online	CBR		PBR	~	Re	vert	Return To ULP		Ir	nformation	C	DA 3.(🔤 v-amdid@microsoft.com
९ 🕹 📱				Ü	4			1		Ø	≡₽	Languages
Search Get Keys By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity Keys C	Edit Optiona	al Info Update OHR	By Keys E	ay Qui tu TEST
FFKI_ffki_amoID_Microsoft Agreeme	nt 5000044078 🔻				8		8	i		Migration		🗣 Migration
					Tota	I	Fulfi	lled	Re	This functionality allow	vs the FFKI partners	s to (i) About
KEYS OVERVIEW			8 FUI	LFILLED		KEY STATE SU	MMARY			to MDOS SC.Partners c installation, if in case	an migrate to SC dur they don't want to	ring I+ Logout
						200NT				the migration during in it using this option.	istallation, they can	i do
												_
										🖺 User Manual	Show Vide	20
	KEYS					8 -			×	•		
						7				Fulfilled		
										Funned		
NOTIFICATION												
	Fulfilled Key	1	(i)	Consumed K	iey	1	Bound Key		1	Exception	(i)	
	8 Keys	stuck in fulfilled sta	tus	0 Keys s	tuck in consumed	status	O CBR su inform	ibmitted without OHI ation	R	Number of Nonnection(s	/IDOS services failed s) for today	
	View F	ulfilled Key 🗹		View Cor	nsumed Key 🗹		View	Bound Key 🗹		View Exc	ception 🕑	
						© 2018 All Ri	ghts Reserved					Internet Connection

2. Migration window will pop out with migration guidelines, click on proceed button.

ocuren occuego og nego og equanting og nego	by quantity store reducer by reps by quantity by reps by quantity can optional into op	auto or in oy nego oy quantity import nereon
	Keys Count	
	MDOS SC DB Migration Tool	X 0 PROD Contraction Enabled
KEYS OVERVIEW	Migration Guidelines/Steps	Activation Linuxed
	Intraction : All partners data will be migrated from FFK11 X database to the new MDOS SC Client Database. Each scenario varies slightly due to the different legacy environment configurations.	
	Migration will happen only for the partner who is logged in using their MDOS email address. If the same email has multiple business setups, please note the following:	
No Data Found!	Ligration will be done one business at a time. Ligration process will depend unbefore the partner has configured multiple accounts within the current MDOS FFKI business. Migrating one business will not affect the other business at they will continue to operate normally.	
	Click 'Proceed' button to continue with migration, click 'Cancel' button to do the migration later.	ndl
NOTIFICATION	Cancel Proceed	
Fulfilled Key	O Consumed Key O Bound Key Exception	tion

3. Partner will be show the connection setup page from where the database need to be migrated.

		Ke	ys Count		
	MDOS SC DB Migration Tool		×	0 Activation Enabled	PROD Environment
KEYS OVERVIEW	FFKI 1.X Database Deta	ails			
	Authentication Type:	\bigcirc SQL Server Authentication \bigcirc Windows Authentication			
	Server name:				
	User name:				
No Data Found!	Password:			nd!	
	Database:	v	Test Connection		
		i Click on 'Test Connection' to load database list.			
NOTIFICATION	Back		Proceed		
Fulfilled Key	Consumed Key	/ (1) Bound Key	Exception	1	

4. Select Windows / SQL authentication and enter the database connection details and then click on test connection.

			Keys Count		
	MDOS SC DB Migration Tool		×	0	PROD Environment
KEYS OVERVIEW	FFKI 1.X Database Det	ails		Activation Enabled	
	Authentication Type:	○ SQL Server Authentication ○ Windows Authentic	ation		
	Server name:				
N. D. C	User name:				
No Data Found!	Password:		T	d!	
	Database:	~ ~	Test Connection		
		1 Click on 'Test Connection' to load database list.			
NOTIFICATION	Back		Proceed		
Fulfilled Key	Consumed Ke	ey (i) Bound Key	Exception	(1)	

			Keys Count			
	MDOS SC DB Migration Tool			×	0 Activation Enabled	PROD Environment
KEYS OVERVIEW	FFKI 1.X Database Det	ails		_		
	Authentication Type:	SQL Server Authenti	cation Windows Authentication			
	Server name:					
No Data Found!	User name:	DB Connectio	n X	nd		
	Database:	Cor	nected successfully. Test Connection			
		1 Click	OK t			
				_		
NOTIFICATION	Back			Proceed		
Fulfilled Key	Consumed Key	y i	Bound Key (1)	Exception	(1)	
• Keys stuck in fulfilled s	atus 🛛 🚺 Keys stu	ck in consumed status	CBR submitted without OHR information	Daily ni failed c	umber of MDOS services connection(s) for today	

5. Once connection is tested successfully, partner can select the business from which they need to migrate.

Microsoft Digital Operations Services	Smart Client											– x
Hicrosoft									ŵ •		< ♣	0
Online CBR		PBR		Revert	Return	n To ULP	Inform	ation		OA 3.0 Tool		Page
Q 🕹 🖹 Search Get Keys By Keys By	Quantity By Keys	By Quantity	Store Product By	Keys By Quant	ity By Keys	L By Quantity	Edit Optional Info	Update OHR	EQ By Keys	By Quantity	Import	5 Refresh
						Keys C	Count					
FFKI_ranjanffki_Microsoft Agreement 51766	10075 🔻	MDOS SC DB	Migration Tool					×	0		PR Envire	DD onment
KEYS OVERVIEW	-	Business S	election						Activation Enable	ed		
No Data Fou	undt	Business Nat Site Id : 183 Business Id : Business Nat Site Id : 183 Business Id :	me : FFKL_ranjanffki_Micr 2417 me : FFKL_ranjanffki_idh1 2418	rosoft Agreement 17_uatlab2	Business Name : Site Id : 1831 Business Id : 241	FFKI_Ranjan ffki_C	loudoalab8_Cloudo	nd!				
NOTIFICATION		Back					Start M	igration				
	Fulfilled Key	(i)	Consumed Key	(i)	Bound Key		(i)	Exception		(i)		
	• Keys stuck in fulfilled st	atus	Keys stuck in	consumed status	O CBR su inform	bmitted without OHI ation	R	Daily numb failed conne	er of MDOS services ection(s) for today			
	View Fulfilled Key 🖸		View Consume	ed Key 🗹	View	Bound Key 🗹		View Exc	eption(s) 🖻			
				© 2018 A	II Rights Reserved					I	nternet Conr	nection "II

6. After selecting the business, click on **start migration** button to start data migration.



8.2USER EMAIL

Instruction:

MDOS SC displays the FFKI partner email, which is used to login to SC, email id can be found under 'User Account' as mentioned below.

Microsoft Di	ital Operations	Services Smart Cli	ent				_	_						– x	
Hicrosoft												🟠 📥	🏲 🗶 🌲 🎦 🛛	0 🔼	
Online Q Search Get Key	CBR PBR				PBR Revert Return To ULP Inf Import PBR Import PBR <th colspan="3">mer email, il id can be mentioned ti PROD (About</th>								mer email, il id can be mentioned ti PROD (About		
KEYS OVERV	EW			17 AC	TIVATION ENABLE	Tot	al Last 5 Transa	Fulfi ction(s) Sumr	lled nary	Re	User Manual		View All Transa	ctions 🖻	
				 12 NO 5971 	ITIFIED BOUND		CBR	Initiated	Submitted	Inj	progress	ACK Received	Completed	2	
	6000 KEYS						CBR	Initiated	Submitted	Inj	progress	ACK Received	Completed	2	
							CBR	Initiated	Submitted	Inj	progress	ACK Received	Completed		
							PBR	Initiated	Submitted	Inj	progress	ACK Received	Completed	2	
NOTIFICATI	N														
		Fulfilled	І Кеу	(i)	Consumed Key	Y	1	Bound Key	١		Exception	i			
		99+ ×	(eys stuck in fulfilled s	tatus	0 Keys stu	ck in consumed	d status	CBR su inform	ibmitted without OHR ation		Daily n failed c	umber of MDOS services connection(s) for today			
		Vie	w Fulfilled Key 🗹		View Cons	sumed Key [2	View	Bound Key 🖸		View	Exception(s)			
							@ 2048 AU D						Internet Com	estion al	

8.3LANGUAGES SUPPORTED

Instruction:

MDOS SC supports the below languages for the partners, partner can choose the language option from the user account and change the language accordingly.

- English,
- Chinese-Simplified,
- Chinese-Traditional



8.4 ENVIRONMENT SWITCH

Instruction:

MDOS allows partners to swap the environment from PROD to TEST and vice-versa. Partner doesn't require to uninstall the application to switch between the two environments.

Step-by-step:

1. Click on user image on the top right of FFKI SC and select the environment (PROD/TEST).

Microsoft Digita	Acrosoft Digital Operations Services Smart Client - X													
Hicrosoft												ራ 🔹 🖡	1	* 🗚 🛛 🔼
Online	C	BR		PBR		Re	evert	Retur	n To ULP	l	nformation	OA	3.0 👦	a
۵ ک	Ĩ	1	1	Ē	Ê	\$	₽	1	t		Ű	Eg	ζ.	Languages
Search Get Keys	By Keys	By Quantity	By Keys	By Quantity	Store Product	By Keys	By Quantity	By Keys	By Quantity	Edit Option				TEST
									Keys (Count	Swap Environment			
						0			0		MDOS allows part	ners to swap the	9	Migration
PERI_PERI AMOL DVD	gital test OEW 1_P	vicrosoft Agreeme	nu 🔻			-					environment from PR	OD to TEST and vice-	(i	About
						Tota	al	Fult	illed	Re	application to switc	require to uninstall the h between the two	-	·
KEYS OVERVIEW	v						KEY STATE SU	MMARY			environments.		ŀ	> Logout
											🔋 User Manual			

2. Once you click the option, it will switch load the PROD/TEST environment data.

	Reys Count							
The sector Bo and that I down the sector shares the sector of the sector	0	0	0	0	PROD			
LLKI [®] COUTOPO LINI 03137011 [®] WIICLOZOLI VALLEGUMENT 2000043					ig Environment			
	Total							
	Blance welt	lets is leading						
	Please ward	and is loading						
	No Dat	Available						
	NO Dati							

3. Once the environment is switch you will get confirmation popup window.

Microsoft Digital Operations Services Smart Client											– x	
📲 Microsoft								ି 📥	> F¹ X	🐥 <mark>28</mark> (1	0 👗	
Online CBR	PBR		Revert	Return To ULP		Information		OA 3.0 Tool			Page	
Q Lange Search Get Keys By Keys By Quantity	By Keys By Quantity	Store Product By Keys	By Keys By Quantity		By Quantity	Edit Optional Info	Update OHR	By Keys	EQ By Quantity	Import	5 Refresh	
					Keys (Count						
FFKI_FFKI AMOL PQ_DvDigital_Microsoft Agreement 500004 🔻			1 1 Total Fulfilled			0 Returned	0 0 Beturned Activation Enabled			TEST Environment		
KEYS OVERVIEW 1 KEYS NOTIFICATION	■ 1 FUL	FILLED Mex Emvire	KEY STATE SU 2 alge nment changed success 0	MMARY stuly!	×		1 FulFilled					
Fulfilled Key Keys st View Fi	tuck in fulfilled status	Consumed Key O Keys stuck in consume View Consumed Key	Evy E			Exception International Services failed View Exception &			1 1			
	.)							•				

4. To differentiate between PROD and TEST environments, TEST environment ribbon will be in purple color as below compared to PROD environment which will be in black.

Microsoft Digital Operations Services Smar	Client			_	_							– x
Hicrosoft									۵	• > >	< 🔺 ⁷¹ (?	
Online CBR		PBR	R	evert	Returr	TO ULP	Information		OA 3.0 Tool			Page
					≜	1			≡g	≡Q	L	5
Search Get Keys by Keys by Quantin	у вукеуз ву	Quantity imp	отгрык ву кеуз	By Quantity	by keys	By Quantity Edit Optional Info Update OH			by keys	By Quantity	import	Refresh
EEVI u careab Missocoft Arreament E000044082	1	1		1		0		0		TEST		
PTRL_V-Sagsan_Iniciosoft Agreement 5000044085	KL_v-sagsan_Microsoft Agreement 5000044083		Tota	I.	Fulfilled		Returned		Activation Enabled		Environ	ment
KEYS OVERVIEW			Last 5 Transaction(s) Summary									
No Transaction(s) Found								und				
Fulf	lled Key 🤅	Cor	nsumed Key	1	Bound Key		(i)	Exception		(i)		
3	Keys stuck in fulfilled status	•	Keys stuck in consumed	ed status CBR submitted without information		ubmitted without (nation	OHR Daily number		nber of MDOS serv nnection(s) for toda	er of MDOS services sction(s) for today		
	View Fulfilled Key 🗹		View Consumed Key	∠ View Bound Key ∠		S View Except		xception(s)	eption(s) 🗹			

8.5 HELP

Instruction:

The help option allows the partners to understand the functionalities offered by MDOS SC.

Click on help icon to open MDOS SC user manual which will provide step by step instructions for the partners.



8.6ABOUT

Instruction:

About option allows the partners to know the SC version that is currently installed in their machine.

Click on user image and 'About' option to verify the SC version installed.



8.7INTERNET CONNECTION

Instruction:

MDOS SC will display the internet connection status at the bottom of the application to let partner know if the machine is connection to internet to avoid any disruption to the services.
	No Data Available	
	© 2018 All Rights Reserved	InternetConnection
8.8 LOGOUT		

Instruction:

In case partner logged into MDOS SC with incorrect email address or want to change the email address, partners can use the logout option available under the 'User Account' section

Microsoft Digital	Operations Services Smart Clien	ıt												- >	K
Hicrosoft										<u>ن</u> ا	o 🏲	*	<mark>≜</mark> 1 ?	*	
Online	CBR	PBR		Rev	rert	Return	To ULP	Informat	tion		OA 3.(×			
Q 🕹			ity Store Product	Sv Keys	By Quantity		1 By Quantity	Edit Optional Info	Undate OHR	EQ By Keys	E.	▲ Langua	jes	h	
Scaren Occurys	by keys by edunity	by keys by quan	ity store riouder	by keys	by Quantity	by heys	Keys (Count	opulie or in	by heys	by Qu	t↓ TEST		ï	
	tal test OEM 1 Microsoft Assam	ant 💌		0		c		0		0		📲 Migrati	n		
FFRI_FFRI AMOL DVDig	tal test OEW 1_WICrosoft Agreeme			Total		Fulf	lled	Returned		Activation Enabl	ed	 About 			
KEYS OVEDVIEW					VEV STATE SU							I→ Logout			
No Data Found! No Data Found!															
	Fulfilled K	ey 🛈	Consumed H	(ey	1	Bound Key		1	Exception		1				
	0 Key	s stuck in fulfilled status	O Keys	stuck in consumed st	tatus	O CBR su inform	bmitted without OH atlon	R	Number of connection	MDOS services faile (s) for today	đ				
	View	Fulfilled Key 🛽	View Co	nsumed Key 🗹		View	Bound Key 🛽		View Ex	ception 🕑					
					@ 2040 All D							letore			

SECTION 9. TROUBLESHOOTING

9.1 TROUBLESHOOTING

Using the "wrench icon" option on the MDOS SC Dashboard screen, you can access information that can assist with troubleshooting in 3 areas of the product; Network connectivity and health, Database integrity and health and overall client integrity and health.

Network connectivity Troubleshooting:

If the network connection status icon is showing yellow/red, this may indicate you are having network issues that must be resolved prior to attempting to use the MDOS SC.

This can mean that your network connection is not stable, that your company may have a router that is blocking traffic from the internet, or that you are having hardware or software networking related problems. Please ensure the network connection status indicator in the MDOS SC is green before attempting to continue.

If the Database is connection shows yellow or red, this indicates that the MDOS SC client Database may be corrupt or the connection to the Database may be compromised.

If the database is located on the same machine as the MDOS SC client, but the database connection is indicating yellow or red status, you can begin to troubleshoot the MDOS Microsoft SQL Express installation and status. Launch the SQL Server Configuration manager by typing the name SQL Server Configuration manager in the Start search menu within Windows 10 or Windows Server. You can use the SQL Server Configuration Manager to troubleshoot issues relating to the SQL Express installation. To ensure the SQL Server is running successfully for MDOS SC, within the SQL Configuration Manager, click on the SQL Server Services Icon and ensure the "SQL Server (MDOS) Service is in the running state as follows:

🚟 Sql Server Configuration Manager						
File Action View Help						
🗢 🏟 🙍 🗟 🗟						
SQL Server Configuration Manager (Local)	Name	State	Start Mode	Log On As	Process ID	Service Type
SQL Server Network Configuration (32bit) SQL Server Network Configuration (32bit) SQL Server Network Configuration (32bit)	SQL Server Browser SQL Server (MDOS)	Stopped Running	Other (Boot, Syste Automatic	NT AUTHORITY\LO NT Service\MSSQL	0 16596	SQL Server
Sclient Protocols	SQL Server Agent (MDOS)	Stopped	Other (Boot, Syste	NT AUTHORITY\NE	0	SQL Agent
→ ① SQL Server Network Configuration > ④ SQL Native Client 11.0 Configuration						

If the MDOS Services monitor is showing yellow or red status, this may indicate that the MDOS services are either not running or may be encountering an error.

If the MDOS Services Monitor indicators are yellow or red, you can check to ensure all MDOS services are showing as installed and that they are running. To do this, type the word "services" into the search window on your Windows 10 Client or Server. The following window will appear:

👰 System O	Configuration					×
General Bo	ot Services	Startup Tools				
Startup se <u>N</u> orma Load <u>D</u> iagn Load <u>Select</u> <u>V</u>	election al startup all device drive ostic startup basic devices a tive startup Load system se Load system se Load startup it	rs and services ind services only ervices ems ot configuration				
			OK	Cancel	<u>A</u> pply	Help

From this screen choose the services tab and ensure the following MDOS services are listed and that they are in the running state:

🧕 System Configuratio	System Configuration						
General Boot Service	Startup	Tools					
Service		Manufacturer	Status				
MDOS Download Ser	rvice	Unknown	Running				
MDOS FFKI SignalR		Unknown	Running				
MDOS PBR Service		Unknown	Running				
MDOS Report Service	e	Unknown	Running				
MDOS Return Key S	ervice	Unknown	Running				
MDOS Smart Client I	Jpdator	Unknown	Running				
MDOS SyncDPKServ	ice Service	Unknown	Running				

If the services for MDOS are not in the running state, or are not listed, please email msoemops@microsoft.com with this information and request support.

SECTION 10. ACRONYMS AND DEFINITIONS

10.1 ACRONYMS

Acronym	Term	Description
BIOS	Basic Input / Output System	The BIOS is a type of firmware used to perform hardware initialization during the booting process (power-on startup) on IBM PC compatible computers, and to provide runtime services for operating systems and programs. The BIOS firmware is built into personal computers (PCs), and it is the first software they run when powered on.
MAT	Multiple Activation Test Key	Multiple Activation Test Key is also referred to as Test Key or TKY.
MBR	Mother Board Replacement	
MS (or MSFT)	Microsoft	Microsoft Corporation
MSA	Microsoft Account	A Microsoft account (MSA) enables improved personalization, provides seamless experiences across Microsoft products, and allows you to access enhanced features and settings. A Microsoft account (MSA) is an email account used to sign in to Microsoft services and is required to sign in to MDOS. (i.e. name@outlook.com, name@hotmail.com, name@msn.com). Or use an email account that is registered as an MSA (i.e. name@yahoo.com, name@gmail.com, name@qq.com, name@163.com).
MDOS	Microsoft Digital Operation Services	MDOS is a fully cloud based digital key distribution and entitlement service for Microsoft partners. It provides the ability to order, deploy, manage, bind, return, and recall Digital Product Keys as needed.
OA 3.0	Original Equipment Manufacturer Activation 3.0 (OEM Activation 3.0)	OEM Activation 3.0 is a trusted way to uniquely bind software and service entitlements to hardware, unlocking rich opportunities across the OEM Ecosystem.
OHR	OEM Hardware Report	The OEM Hardware Report (OHR) generally follows the Computer Build Report (CBR) and includes additional hardware data required by Microsoft, such as model number, screen size, touch screen. Contrary to the name.

		the OHR is not optional, but is now required by Microsoft. (Refer to your agreement for details).
OPN	OEM Part Number	The number assigned by the Original Equipment Manufacturer (OEM) for a part they manufacture.
PBR	Product Bind Report	The Product Bind Report (PBR) is the report that is generated after keys are bound. The bind keys process links service keys (such as Office 365) with Windows keys (such as Windows 10 OS).
RMA	Return Material Authorization	A return merchandise authorization (RMA), return authorization (RA) or return goods authorization (RGA) is a part of the process of returning a product in order to receive a refund, replacement, or repair during the product's warranty period.
SKU	Stock Keeping Unit	In the field of inventory management, a stock keeping unit or SKU is a distinct type of item for sale, such as a product or service, and all attributes associated with the item type that distinguish it from other item types.
UI	User Interface	The user interface, in the industrial design field of human- machine interaction, is the space where interactions between humans and machines occur. The goal of this interaction is to allow effective operation and control of the machine from the human end, whilst the machine simultaneously feeds back information that aids the operators' decision-making process.

10.2 DEFINITIONS OF KEY STATUS

Standard Keys

Key Status	Description
Fulfilled	Initial status after SC get keys from MDOS cloud
Consumed	After keys were used by OA3.0 tool
Bound	After keys were bound to hardware hash
Marked for Submit	After keys have been reported back to MDOS cloud
Activation Enabled	After keys received CBR acknowledgement from Microsoft in MDOS, SC synchronize this status from MDOS cloud

Activation Denied	After keys received CBR acknowledgement of activation denied from Microsoft in MDOS, SC synchronize this status from MDOS cloud
Return to ULP	After keys were successfully returned to your up level partner (ULP)

MAT Keys

Key Status	Description
Fulfilled	Initial status after SC get keys from MDOS cloud

MBR Keys

Key Status	Description
Fulfilled	Initial status after SC get keys from MDOS cloud

Service Keys

Key Status	Description
Fulfilled	Initial status after SC get keys from MDOS cloud
Return to ULP	After keys were successfully returned to your up level partner (ULP)
Assigned	After the keys are assigned from up level partner (ULP) to FFKI

SECTION 11. VERSION HISTORY

Version #	Date	Details Updated
1.0	04/20/2018	Initial version
2.0	05/18/2018	New dashboard icons and notifications
3.0	08/13/2018	New installation screens, import PBR screens
4.0	11/19/2018	Live transaction changes in dashboard
5.0	01/18/2019	DB restore, export of MAT/MBR keys, new parameters to OA3.0 config file
6.0	04/22/2019	Force partner to enter password on each subsequent login, Mark as Read option to read all alerts, display count of keys in Search, proxy settings changes