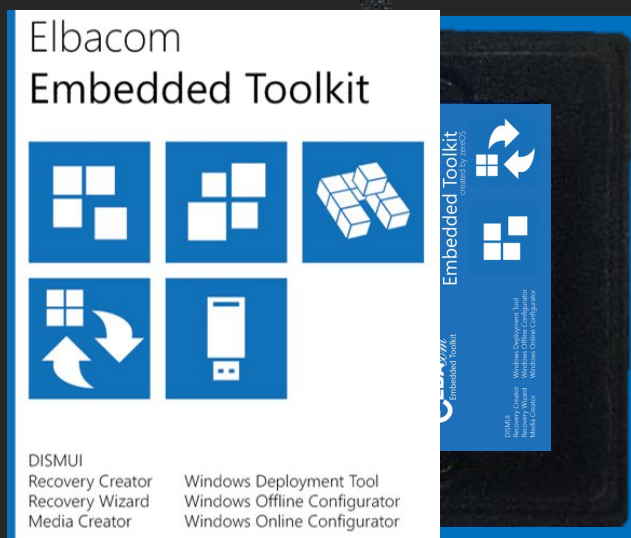
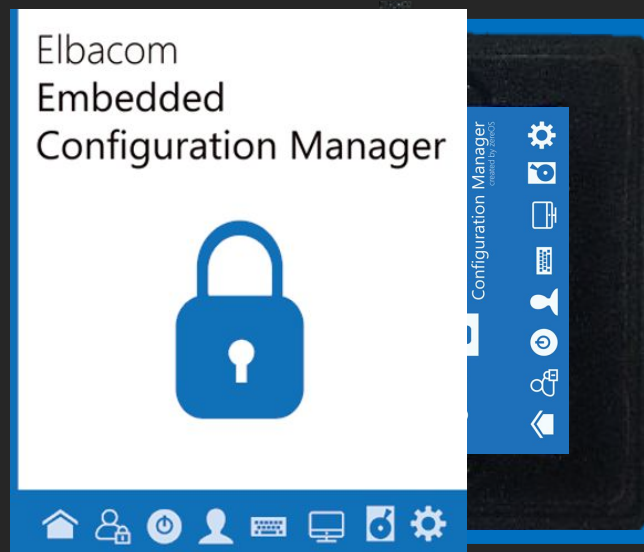


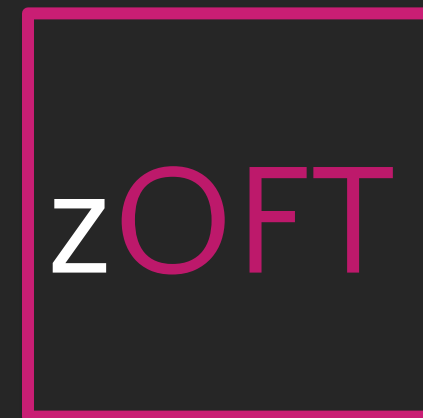
AVAILABLE FROM ELBACOM



Elbacom
Embedded Toolkit



Elbacom Embedded
Configuration Manager

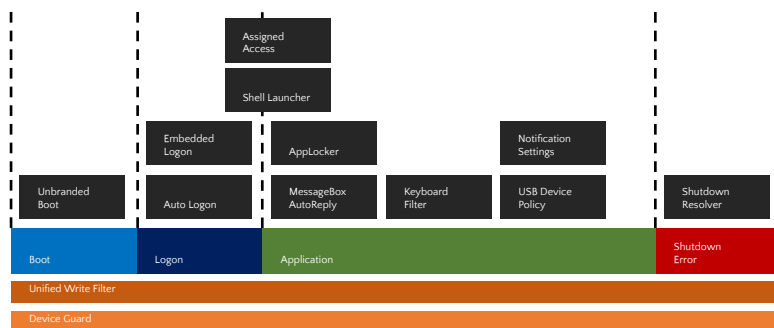


zOFT

UPDATED FOR WINDOWS 10 IOT ENTERPRISE 2019



- Easy-to-use configuration center for all Lockdown Features
- Works with features from Windows 8.1 and later
- Automatic program updates



ELBACOM

Embedded Configuration Manager

Welcome to the Embedded Configuration Manager. This is your configuration central for all Embedded Lockdown Features. You can activate the features below and configure them in the the appropriate category on the left.

Lockdown Features

You can enable all desired lockdown features that should be installed here. Please note, that you must reboot to enable or disable the features.

- ☒ Custom Logon
- ☒ Keyboard Filter
- ☒ Shell Launcher
- ☒ Unified Write Filter

Updates

Embedded Configuration Manager can automatically check for updates for itself. You can also disable the automatic checking and use the button below to check manually.

[Check for updates](#)

☒ Check for updates automatically

[Apply changes](#) [Discard changes](#)

Embedded Configuration Manager

Lockdown Features

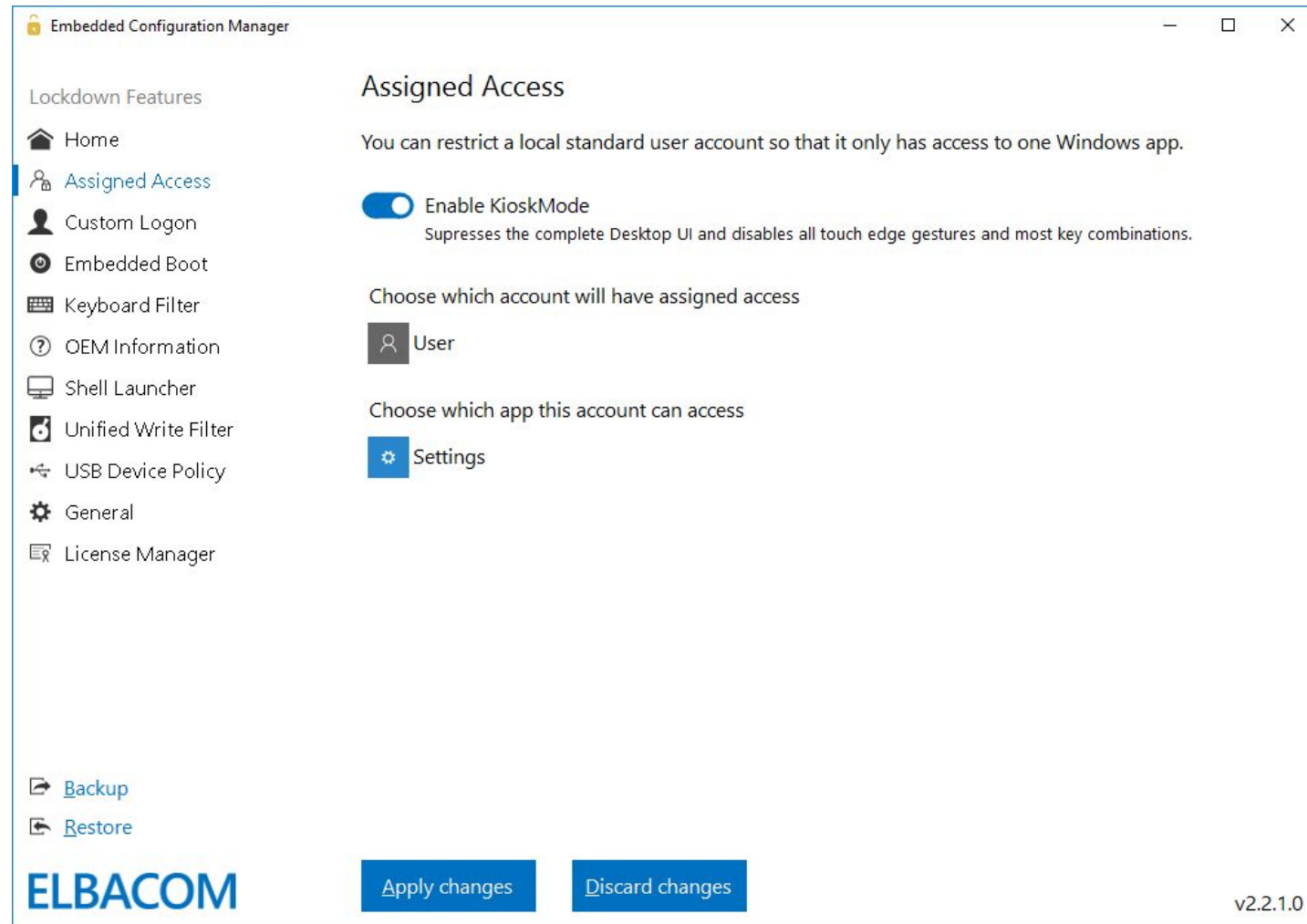
- Home
- Assigned Access
- Custom Logon
- Embedded Boot
- Keyboard Filter
- OEM Information
- Shell Launcher
- Unified Write Filter
- USB Device Policy
- General
- License Manager

Backup

Restore

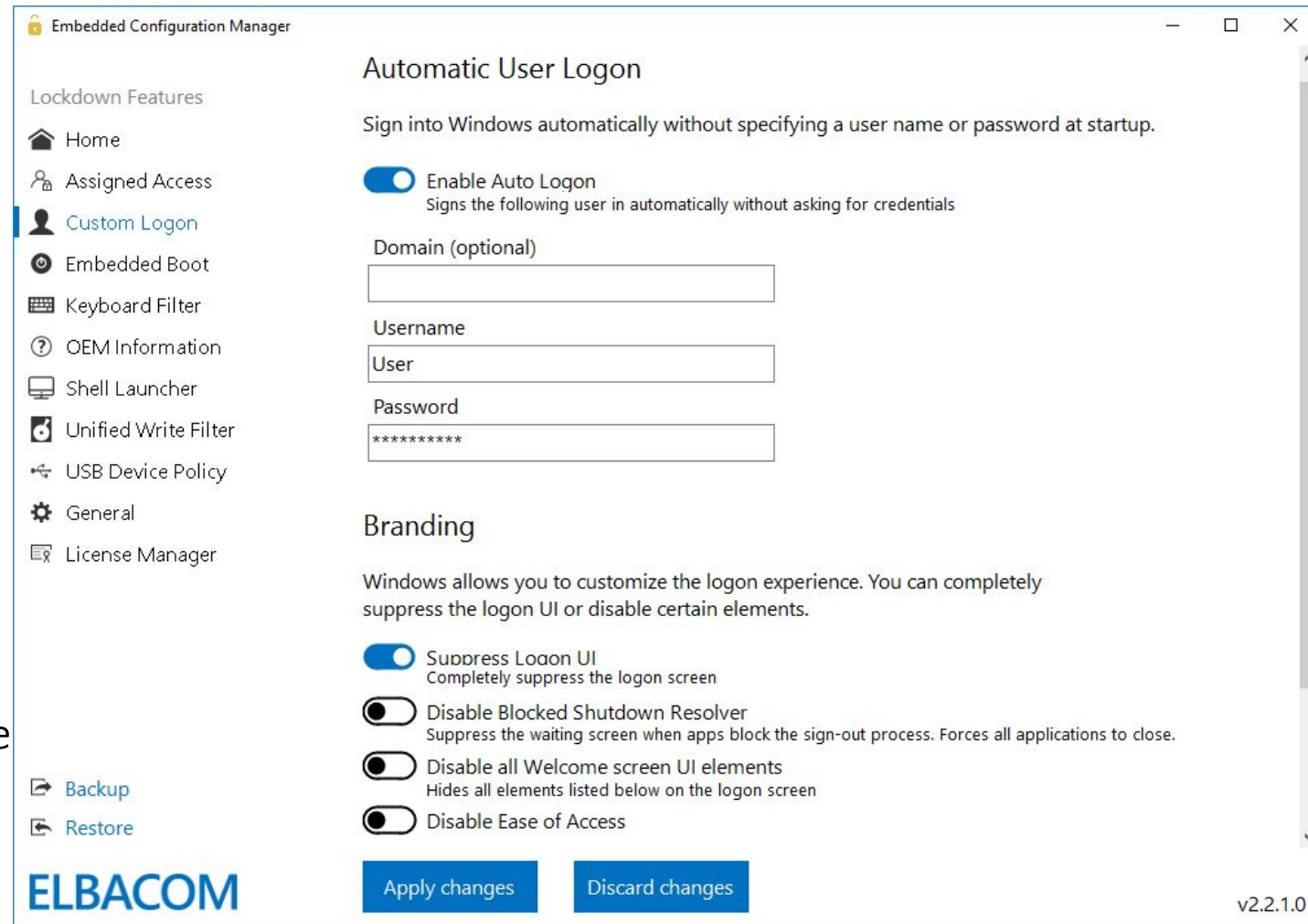
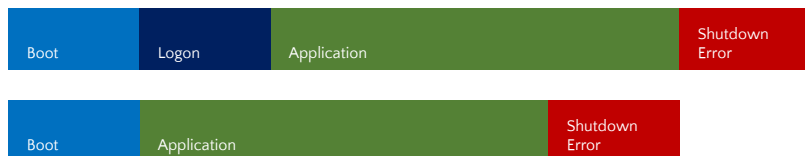


- Easy configuration via Embedded Configuration Manager
- Default UWP shell configuration
- Different UWP shell for different users
- **KioskMode**
- Custom close behaviour
 - Shutdown
 - Restart OS
 - Restart Shell



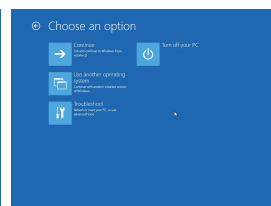
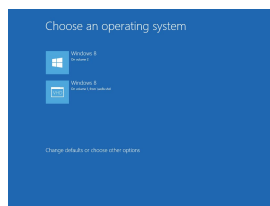


- Easy configuration via Embedded Configuration Manager
- Automatic user logon
- No logon GUI during the logon process
- Customizable logon screen
- Disable Blocked Shutdown Resolver





- Easy configuration via Embedded Configuration Manager
- Suppress Bootlogo
- Suppress Status Ring
- Suppress Status Text
- Replace Logo in UEFI



Embedded Configuration Manager

- Home
- Assigned Access
- Custom Logon
- Embedded Boot**
- Keyboard Filter
- OEM Information
- Shell Launcher
- Unified Write Filter
- USB Device Policy
- General
- License Manager

Embedded Boot

Embedded Boot allows to customize the Windows boot experience.

- ☒ Disable F8 Boot Menu
- ☒ Disable F10 Boot Menu

Branding

- ☒ Hide Complete Boot UI
Suppresses all Windows UI elements (logo, status indicator and status message) during startup.
- ☐ Hide Boot Logo
- ☐ Hide Status Indicator
- ☐ Hide Status Message

Backup

Restore

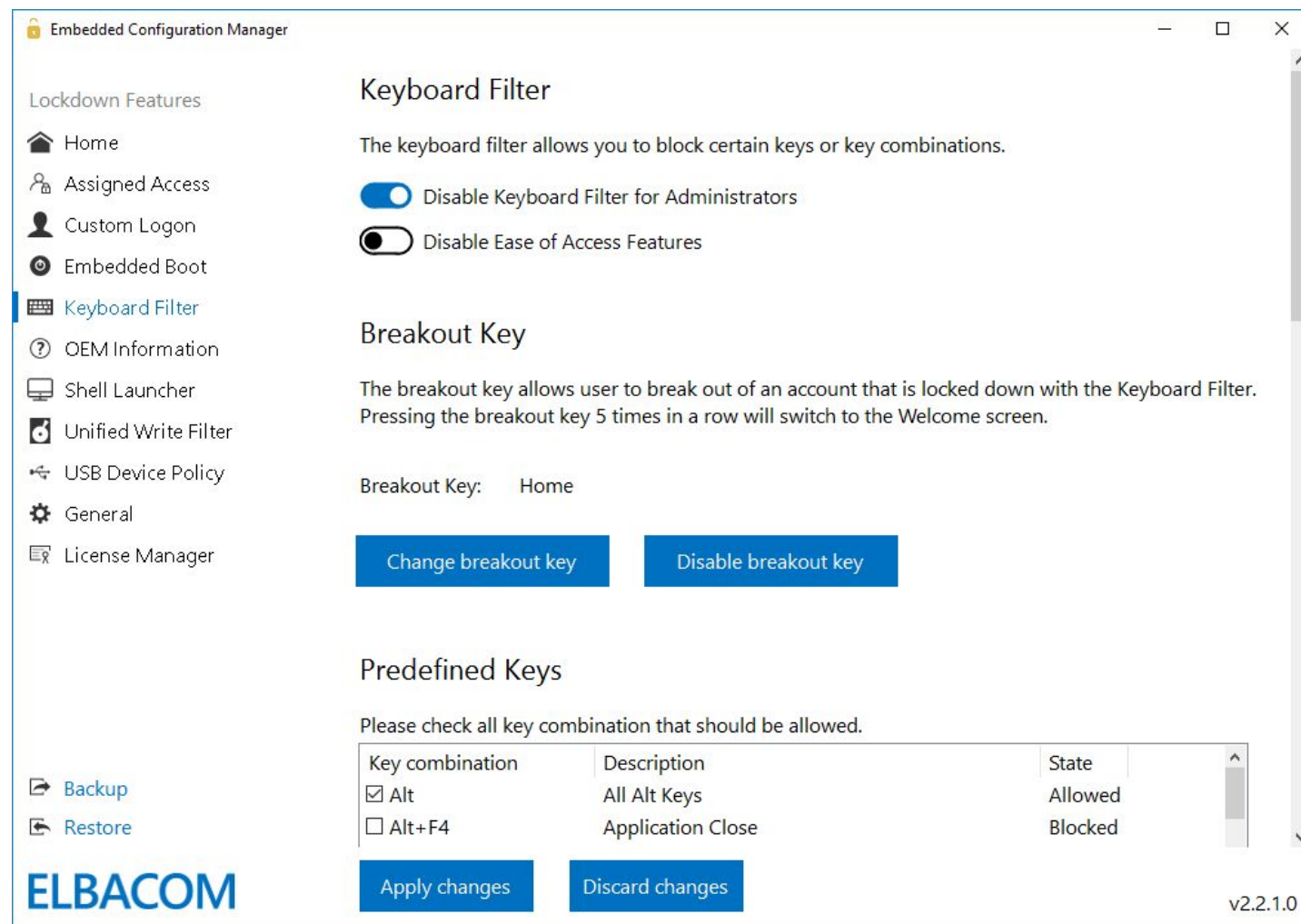
ELBACOM

Apply changes Discard changes

v2.2.1.0

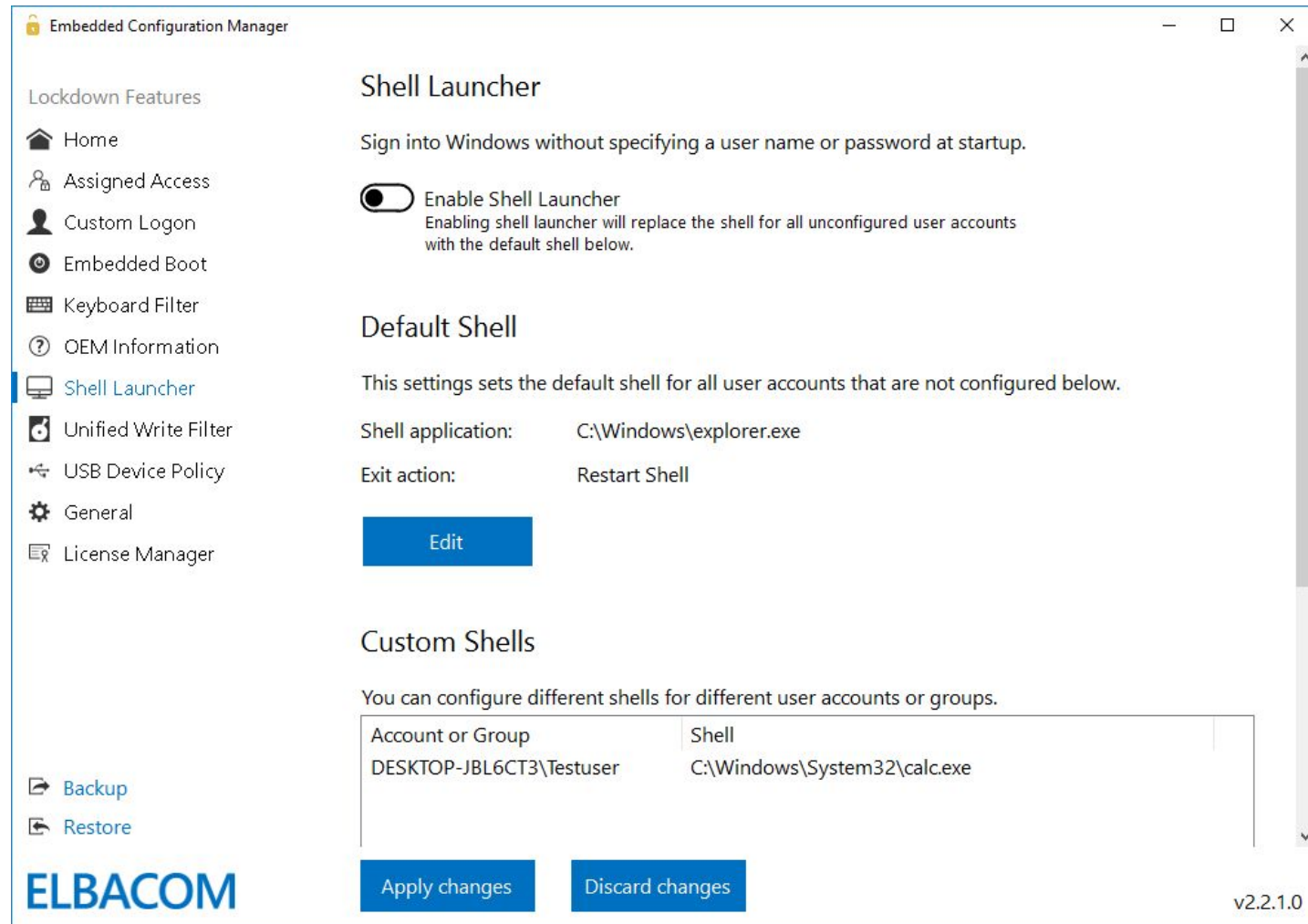


- Easy configuration via Embedded Configuration Manager
- Key and key combination blocking
- Breakout Key configuration
- Can be disabled for Administrators



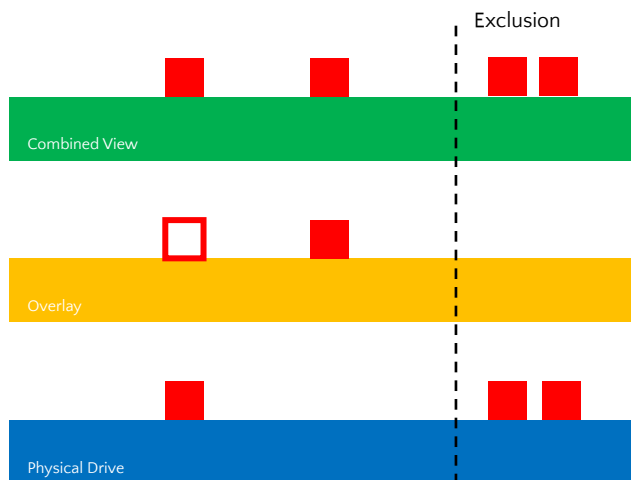


- Easy configuration via Embedded Configuration Manager
- Default shell configuration
- Different shell for different users
- Custom close behaviour
 - Shutdown
 - Restart OS
 - Restart Shell





- Easy configuration via Embedded Configuration Manager
- Filter settings configurable
- File & Registry exclusions
- Servicing mode



ELBACOM

Unified Write Filter

Protect your system from unwanted changes by enabling the Unified Write Filter.

Before using the Unified Write Filter it is recommended to optimize the operating system.

Windows is not configured for optimal Unified Write Filter usage. Your overlay may run full within minutes!

Optimize

Current filter state: Disabled

☒ Enable filtering
Reboot required

Overlay Settings

Configure where Unified Write Filter should store the changes made during the runtime. You can also change the maximum size of the overlay. The overlay space will always be compressed to save storage!

☒ RAM Overlay ☐ Disk Overlay

Overlay size in MB:

Protected Volumes

Apply changes Discard changes

Lockdown Features

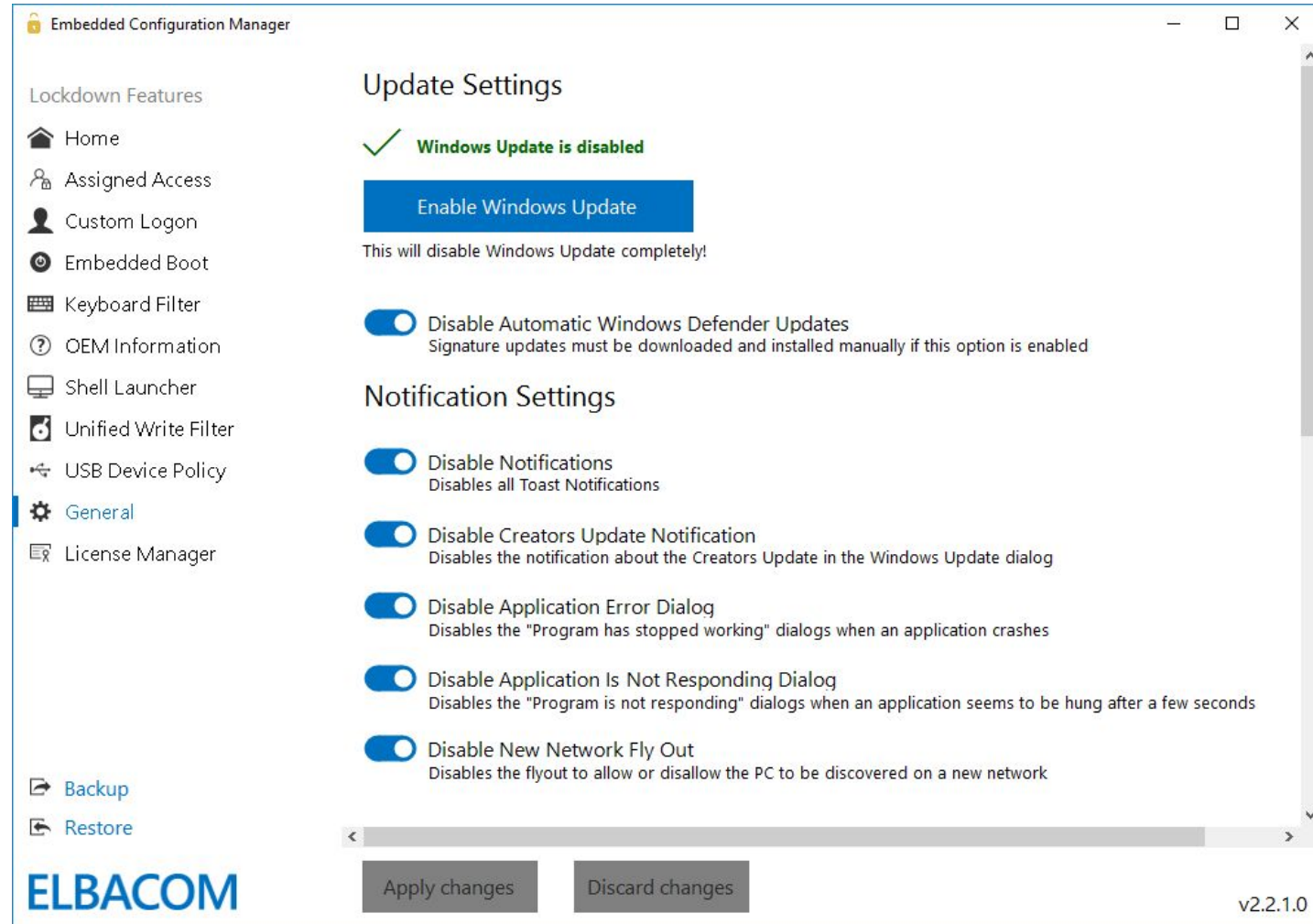
- Home
- Assigned Access
- Custom Logon
- Embedded Boot
- Keyboard Filter
- OEM Information
- Shell Launcher
- Unified Write Filter**
- USB Device Policy
- General
- License Manager

Backup Restore

v2.2.1.0

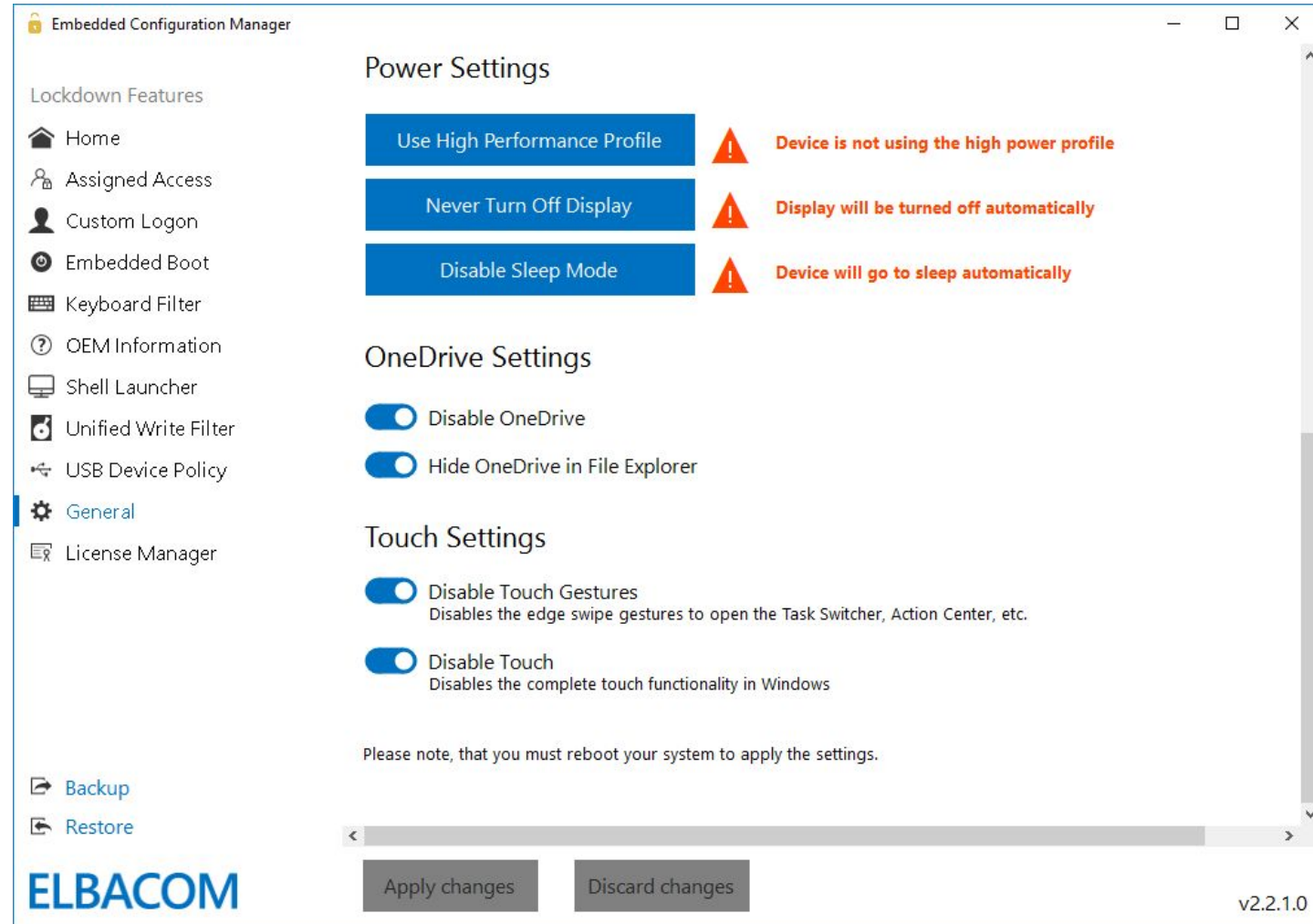


- Collection of various settings
- Disable
 - Windows Update
 - Defender Update
 - Notifications
 - Update Notifications
 - Application Error Dialog
 - Not Responding Dialog
 - Network Flyout



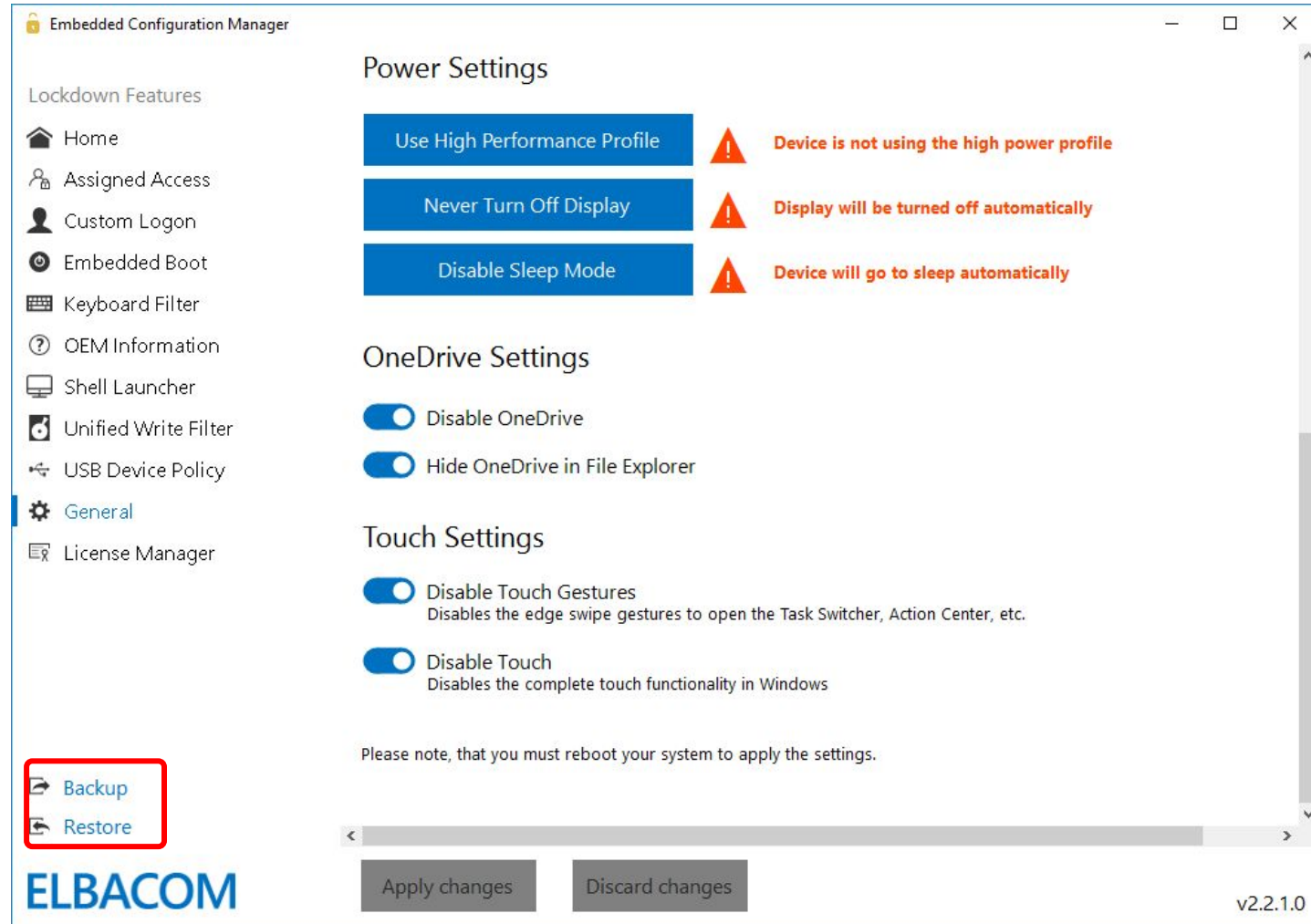


- Collection of various settings
- Configure Power Settings
- Disable
 - One Drive
 - Touch Gestures
 - Complete Touch

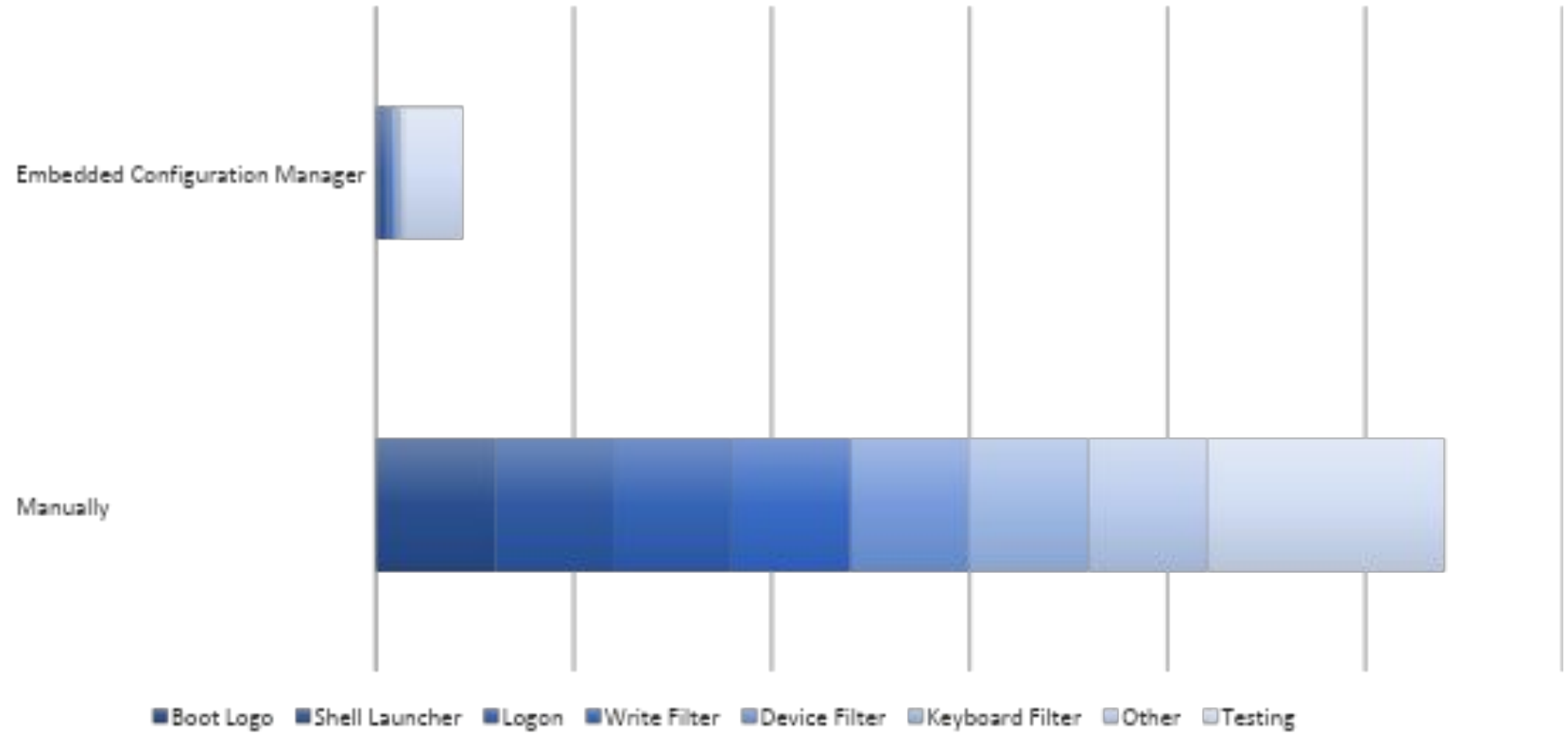




- Backup & Restore Settings
- Stores all settings in an XML file
- Import templates on new devices

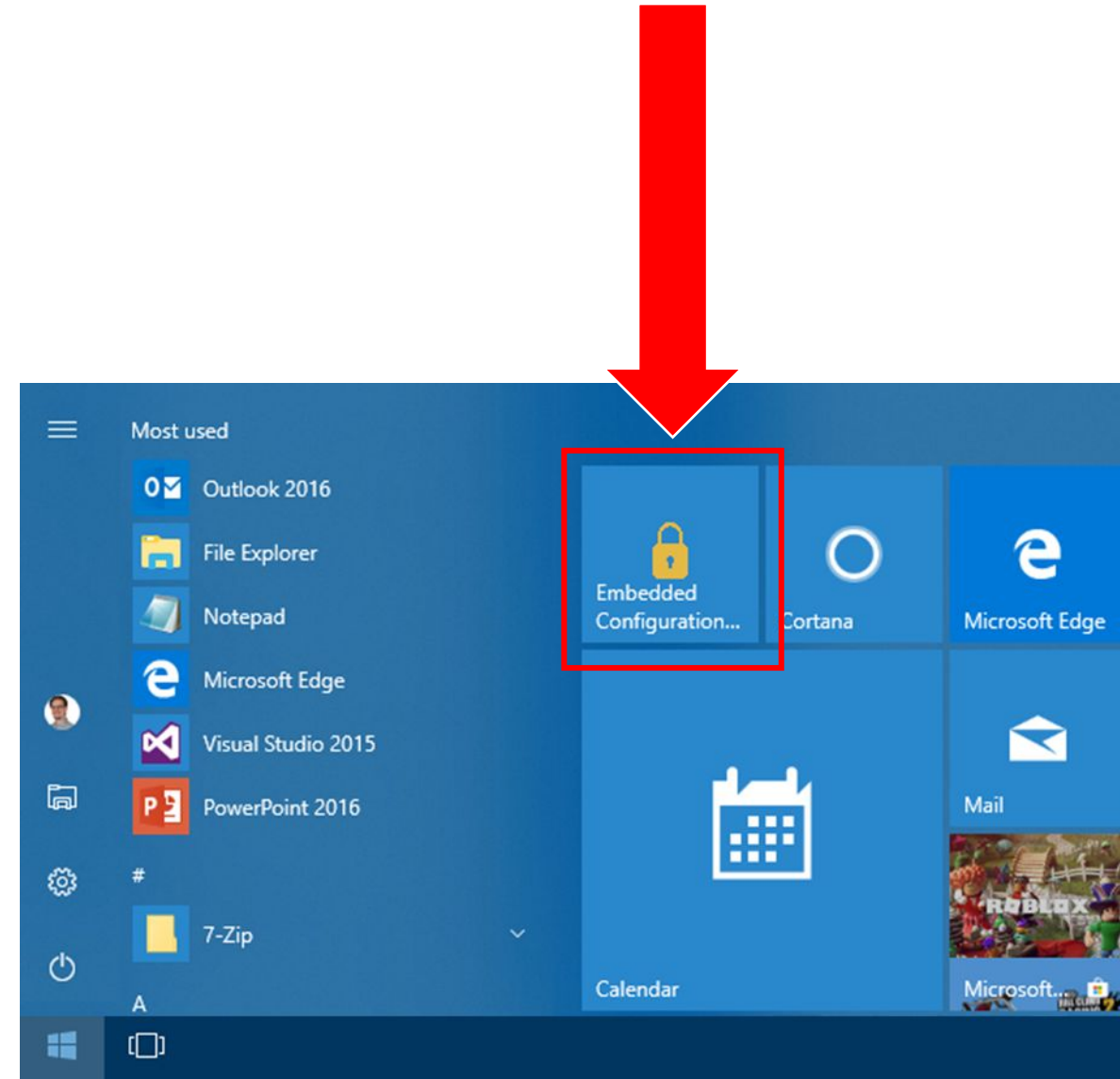


Save Time!



Additional Value

- Ship your devices together with Embedded Configuration Manager preinstalled
- Provide additional value to you and your customer
- Save time as customers will have less questions
- Easier customization of Lockdown Features for your customers



Additional Value

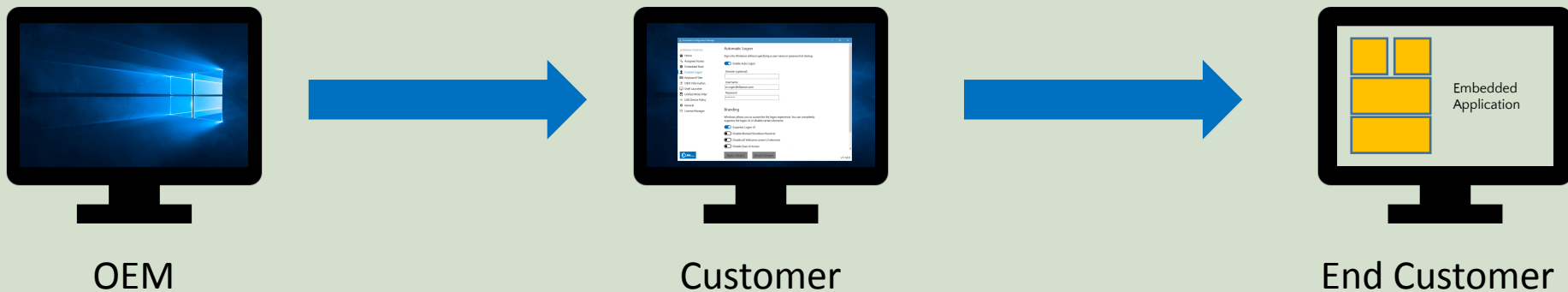
WITHOUT EMBEDDED CONFIGURATION MANAGER

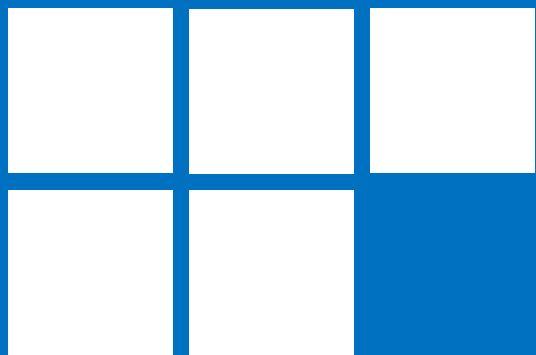
- most customers never use any lockdown feature!



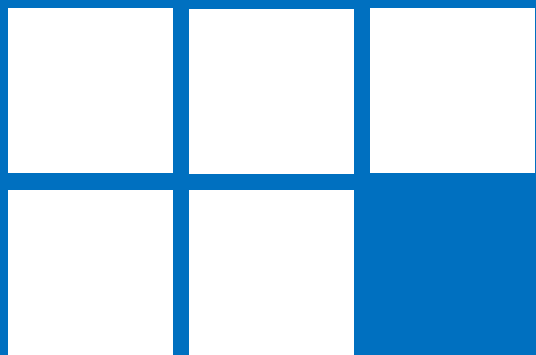
WITH EMBEDDED CONFIGURATION MANAGER

- your customers can easily brand and lock Windows down!

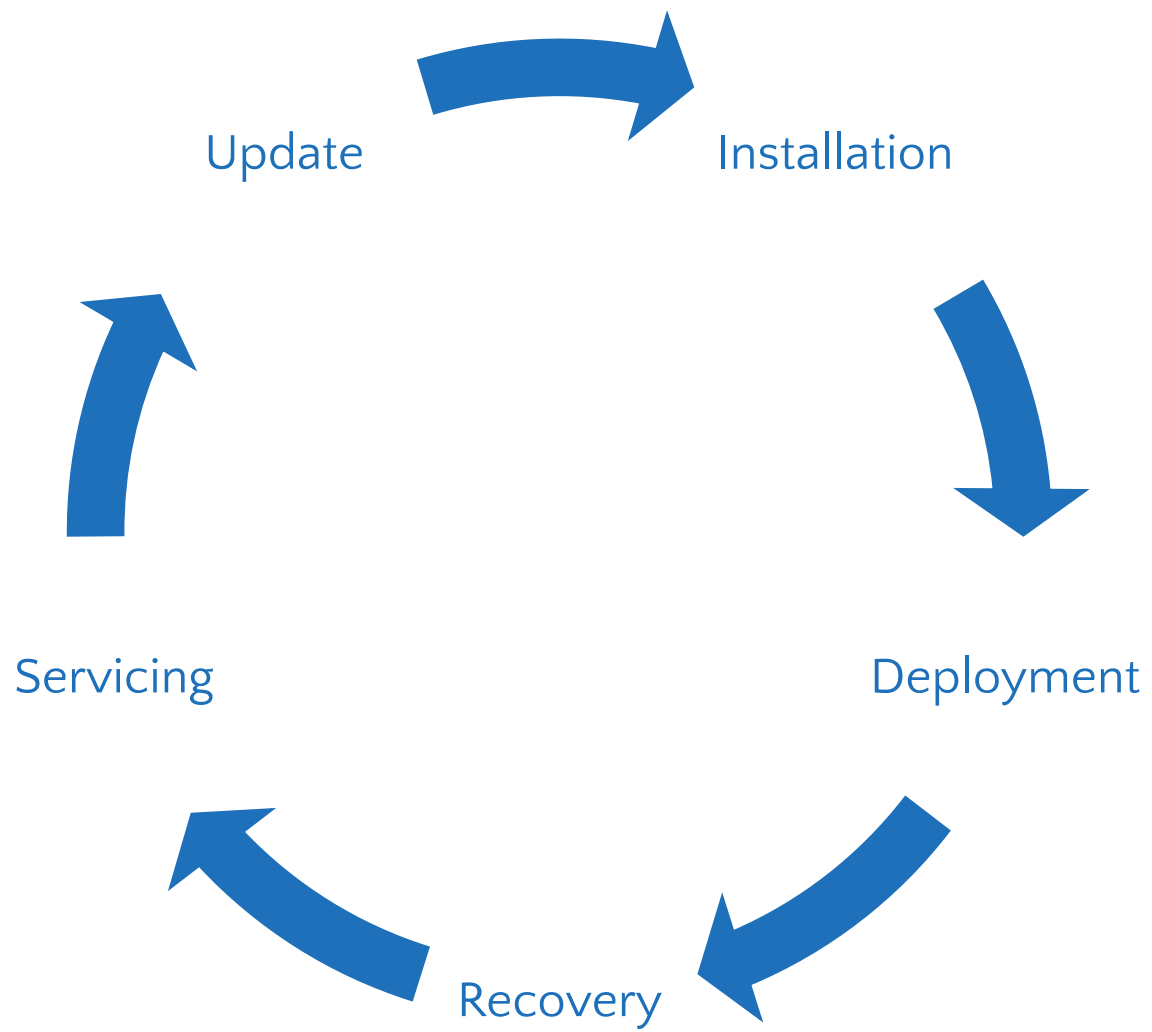


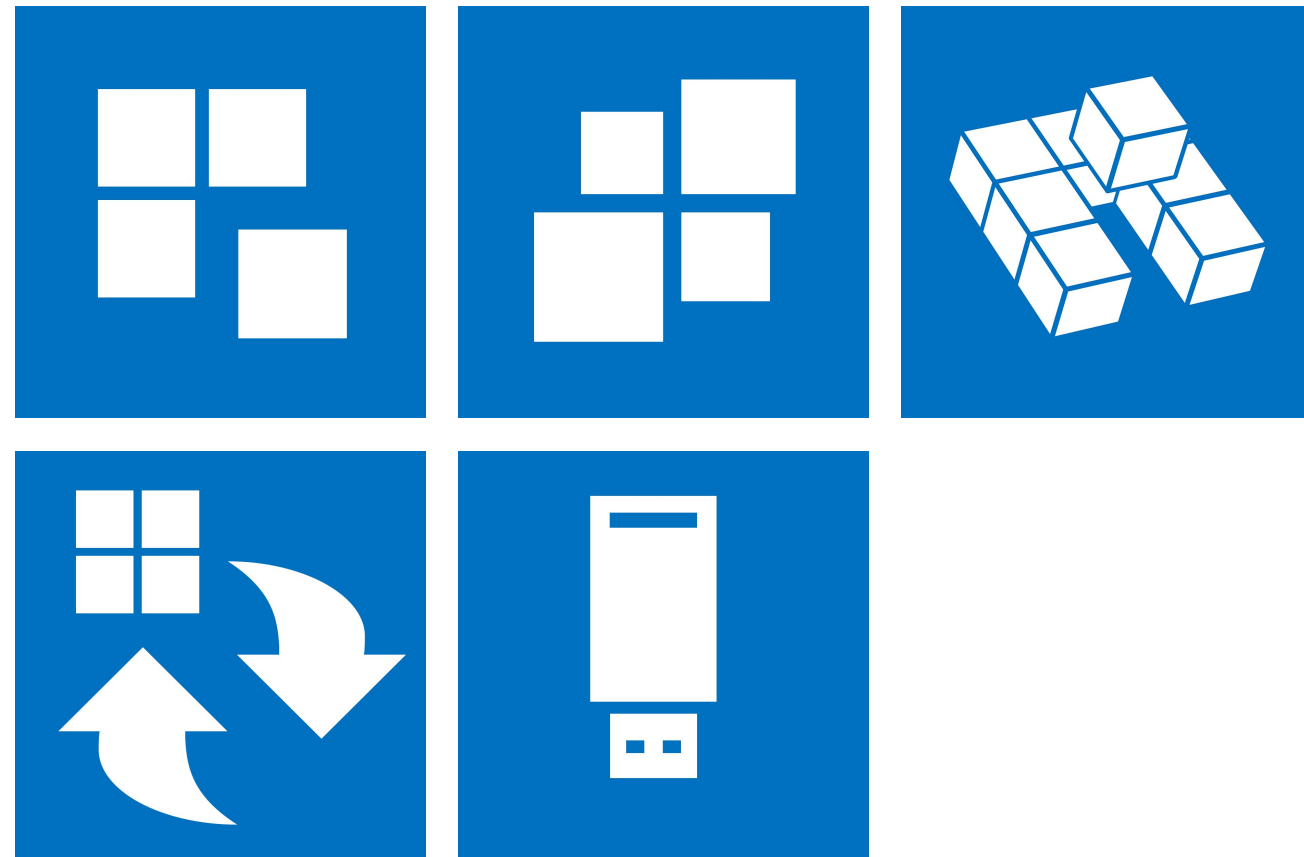
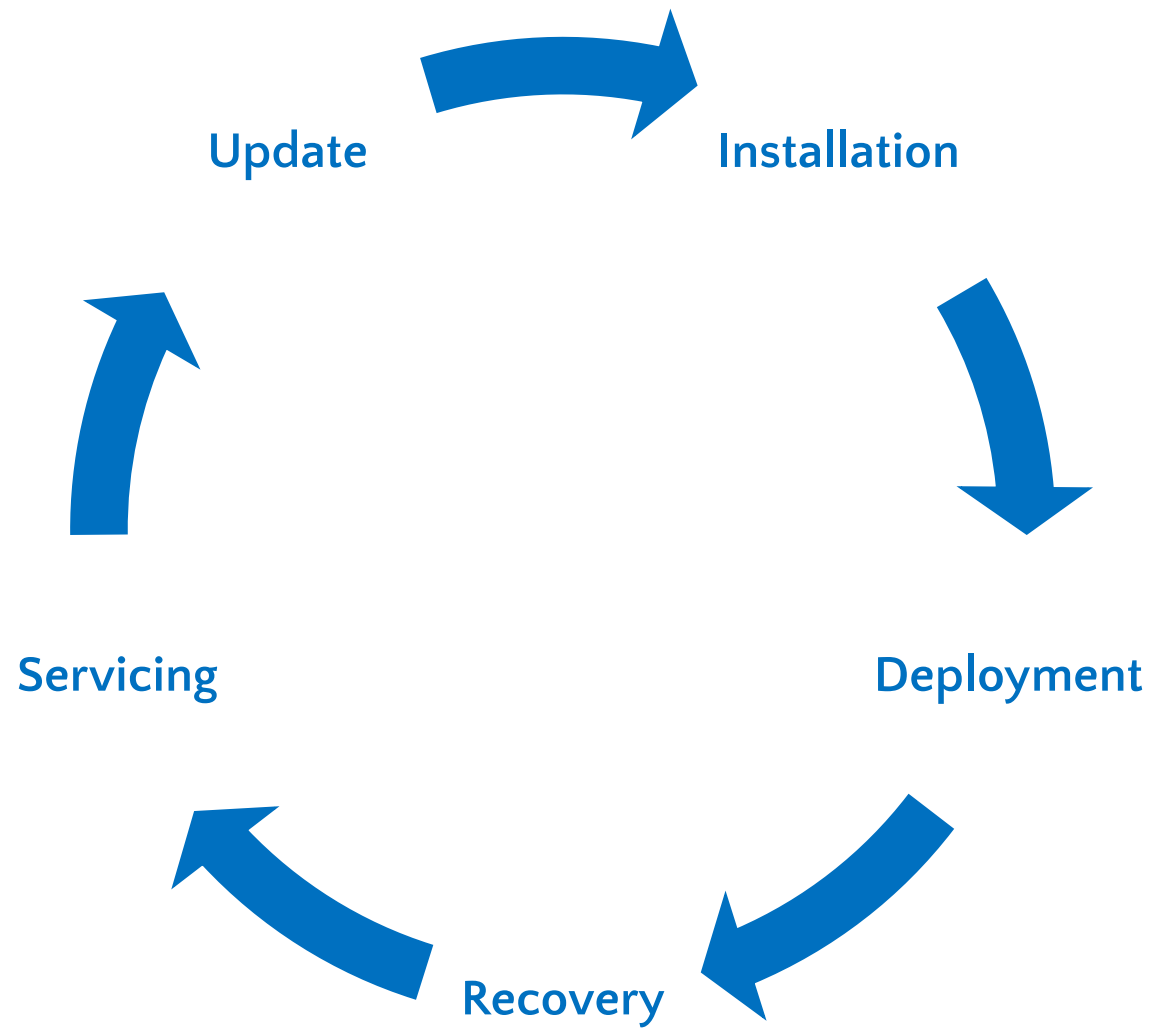


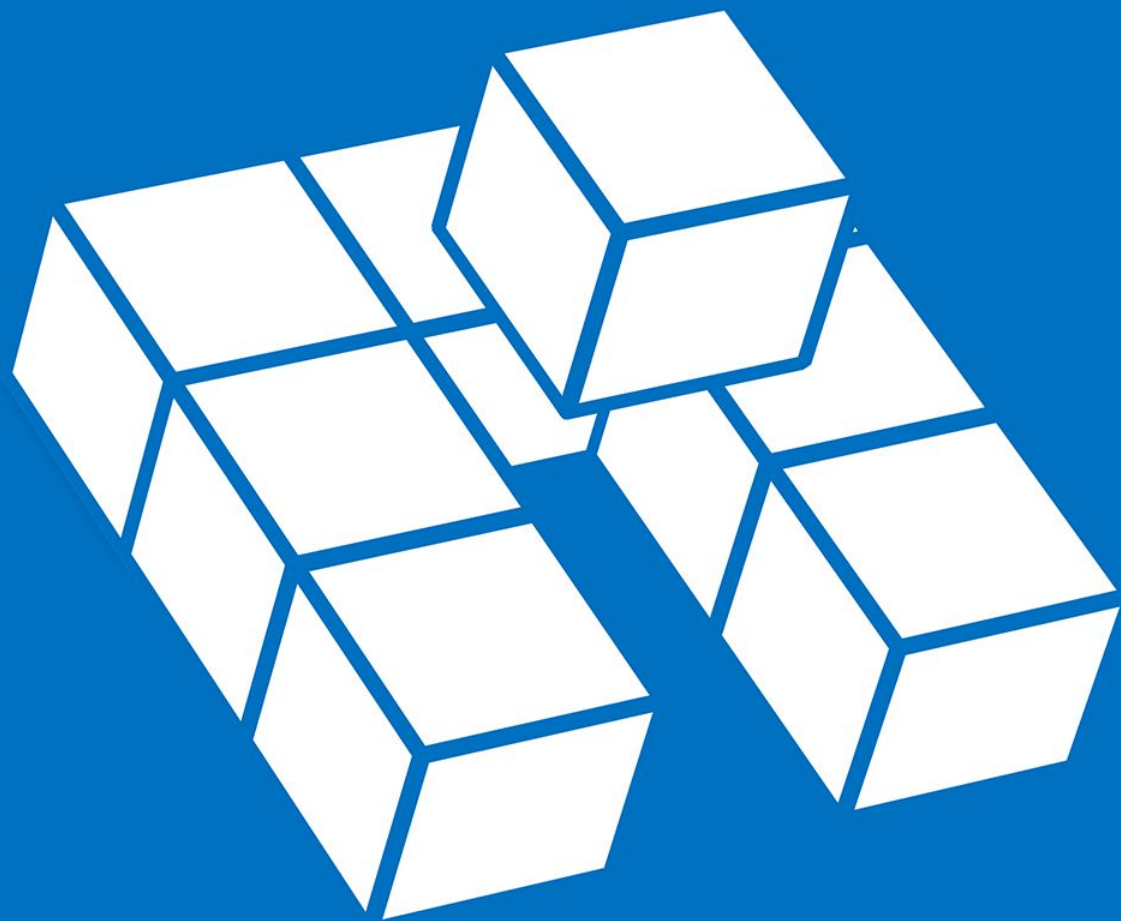
Elbacom
Embedded
Toolkit



Elbacom
Embedded
Toolkit







DISMUI



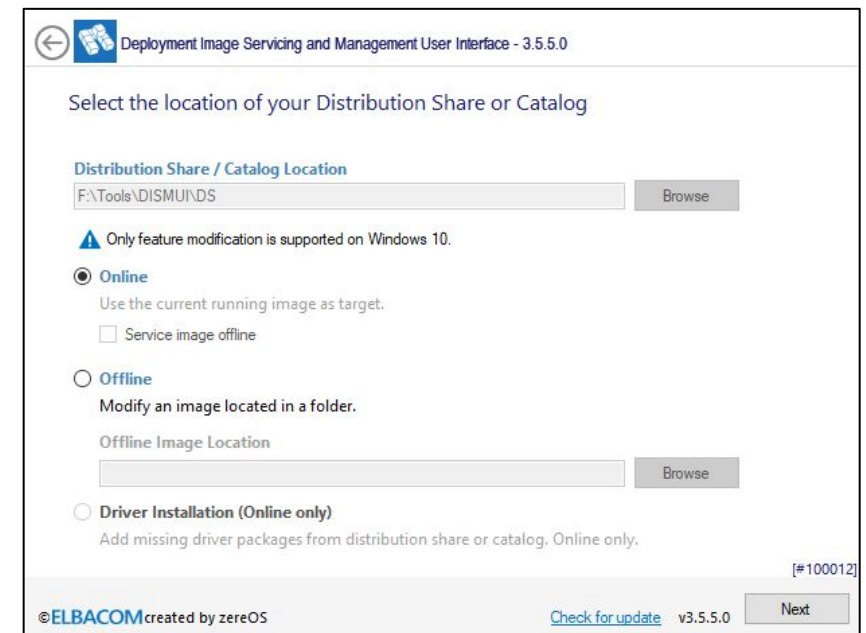
DISMU

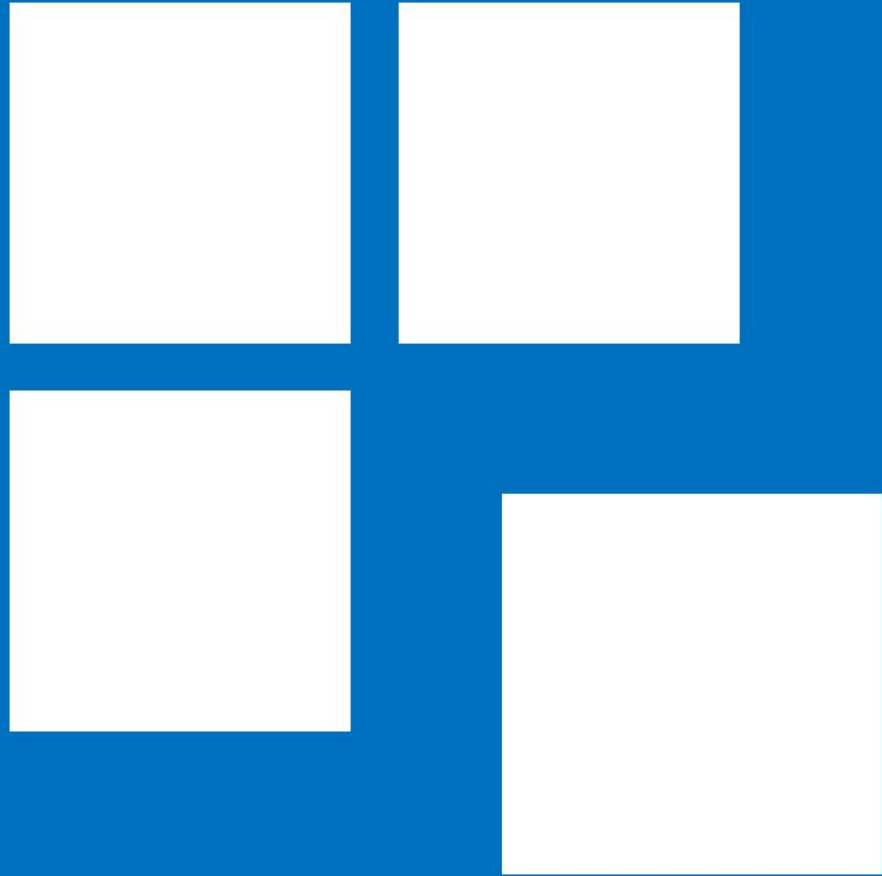
DO IT THE EASY WAY!

ELBACOM

DISMUI Elbacom Embedded Toolkit

- Graphical wrapper of DISM
 - Dependency Check
 - Conflict Check
 - Minimum requirements
 - Default Language Pack handling
 - Dependency Tree Viewer (Dependencies & Dependents)
 - Footprint calculation
 - Online & Offline servicing support
 - Driver Installation
- Supports
 - Windows Embedded Standard 7
 - Windows Embedded POSReady 7
 - Windows Embedded 8 Standard
 - Windows Embedded 8.1 Industry Pro
 - Windows 10 IoT Enterprise





Windows Offline Configurator



Windows Offline Configurator

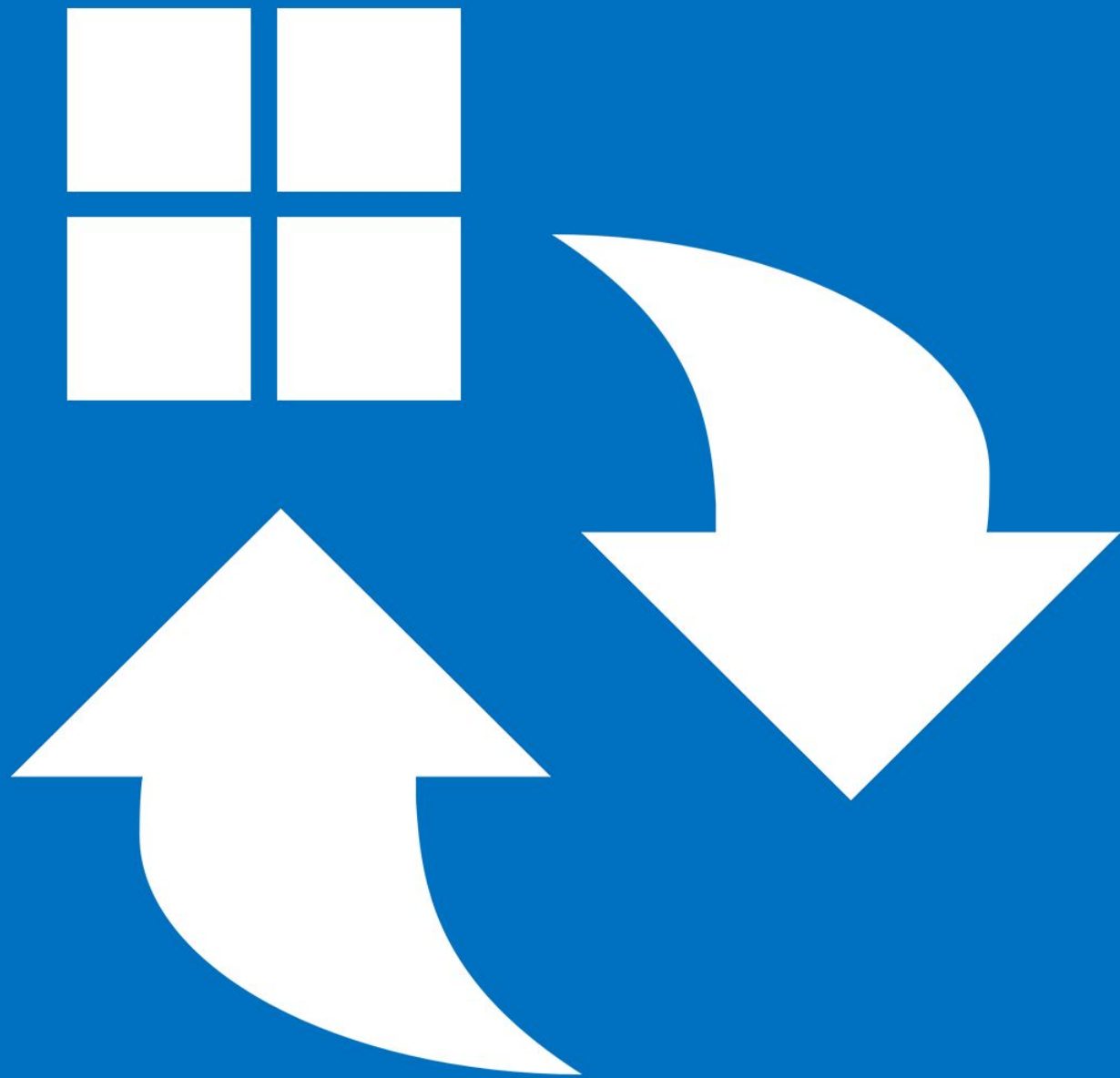
- Advanced setup for
 - Windows Embedded Standard 7
 - Windows Embedded POSReady 7
 - Windows Embedded 8 Standard
 - Windows Embedded 8.1 Industry Pro
 - Windows 10 IoT Enterprise
- Allows installing images offline on a development machine
- Advanced customization & configuration
- Results in enormous time savings

Save Time!

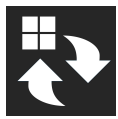


Online or Offline

Includes OOBE &
Feature Configuration

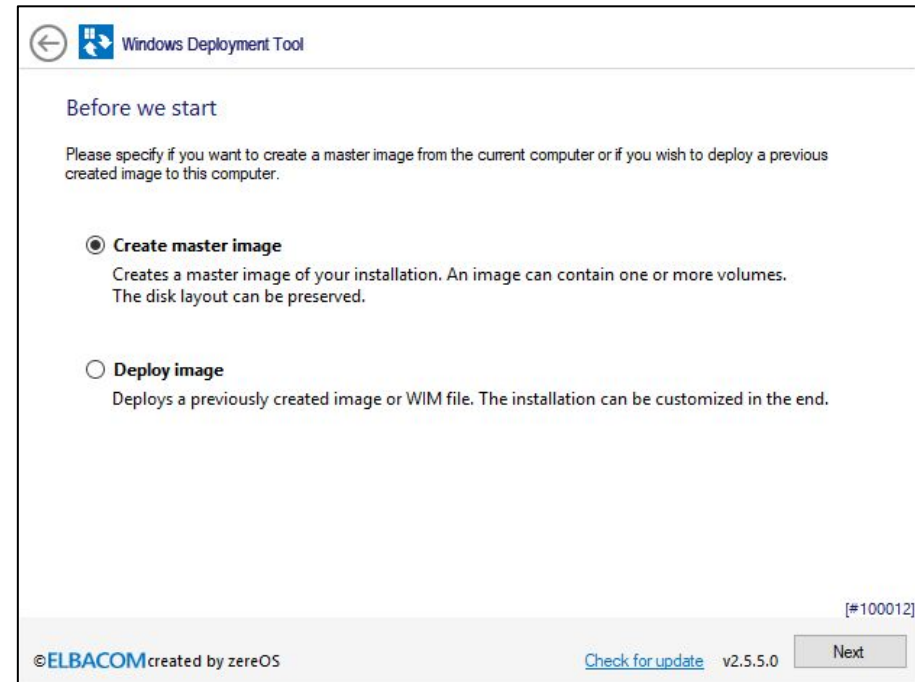


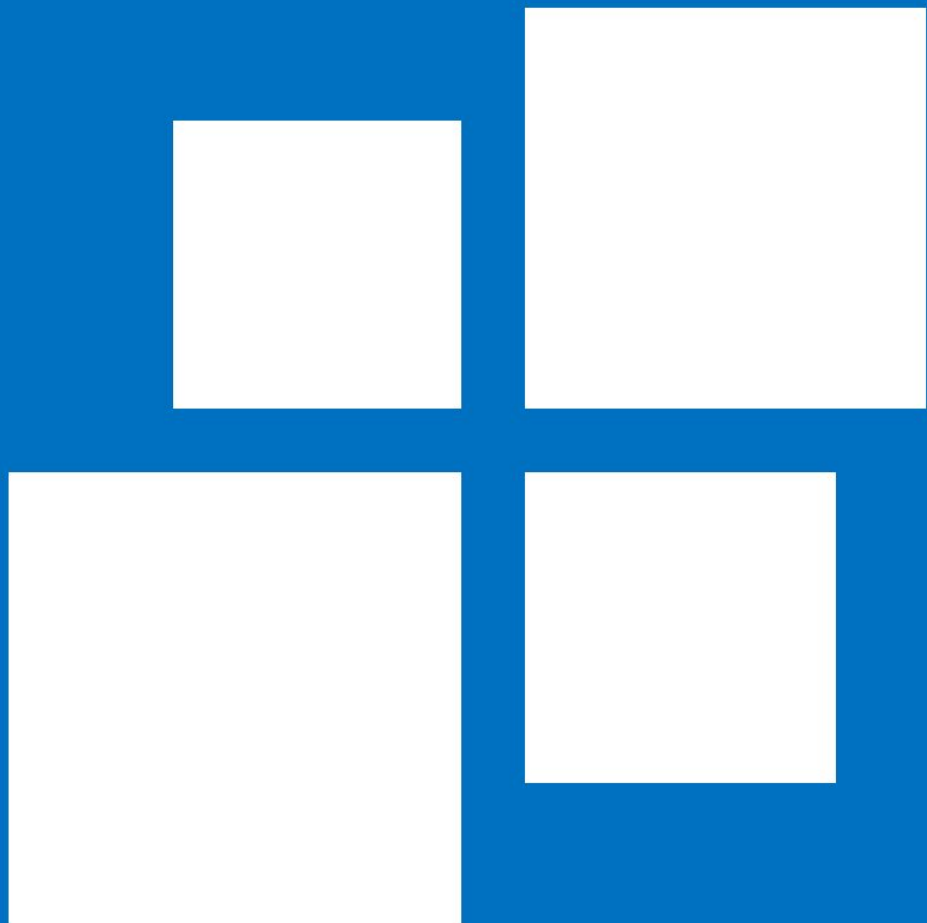
Windows
Deployment
Tool



Windows Deployment Tool

- Master image creation
 - Stores disk layout automatically
- Safety checks
 - Missing Bootloader
 - Mounted VHDs
- Deploy images
 - Custom disk layout
 - Restore original disk layout
 - Bootmanager correction





Recovery
Creator

DO IT THE EASY WAY!

ELBACOM

  Recovery Creator

Start a new project or edit an existing one

Recovery Creator lets you create a graphical wizard for your recovery media. It is customizable with several wizard pages and localizable in various languages. Please select if you would like to create a new recovery media or if you would like to edit one.

☒ **New recovery media**
Create a new recovery media

☐ **Edit existing recovery media**
Edit an existing recovery media

Recovery media project

Browse

☐ Re-Sign files only (Skip all configuration pages)

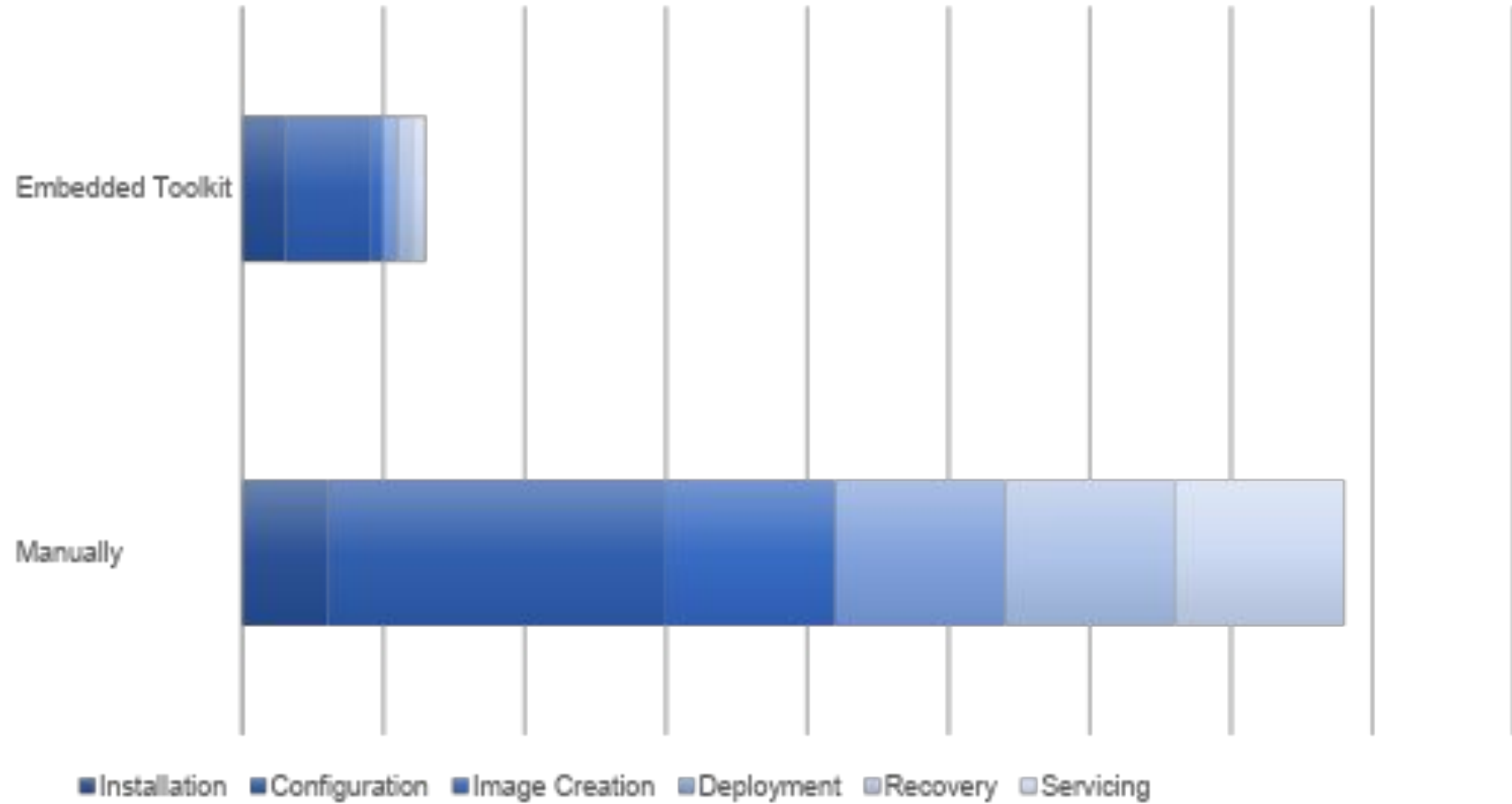
[#100012]

©ELBACOM created by zeroOS

[Check for update](#) v2.5.5.1

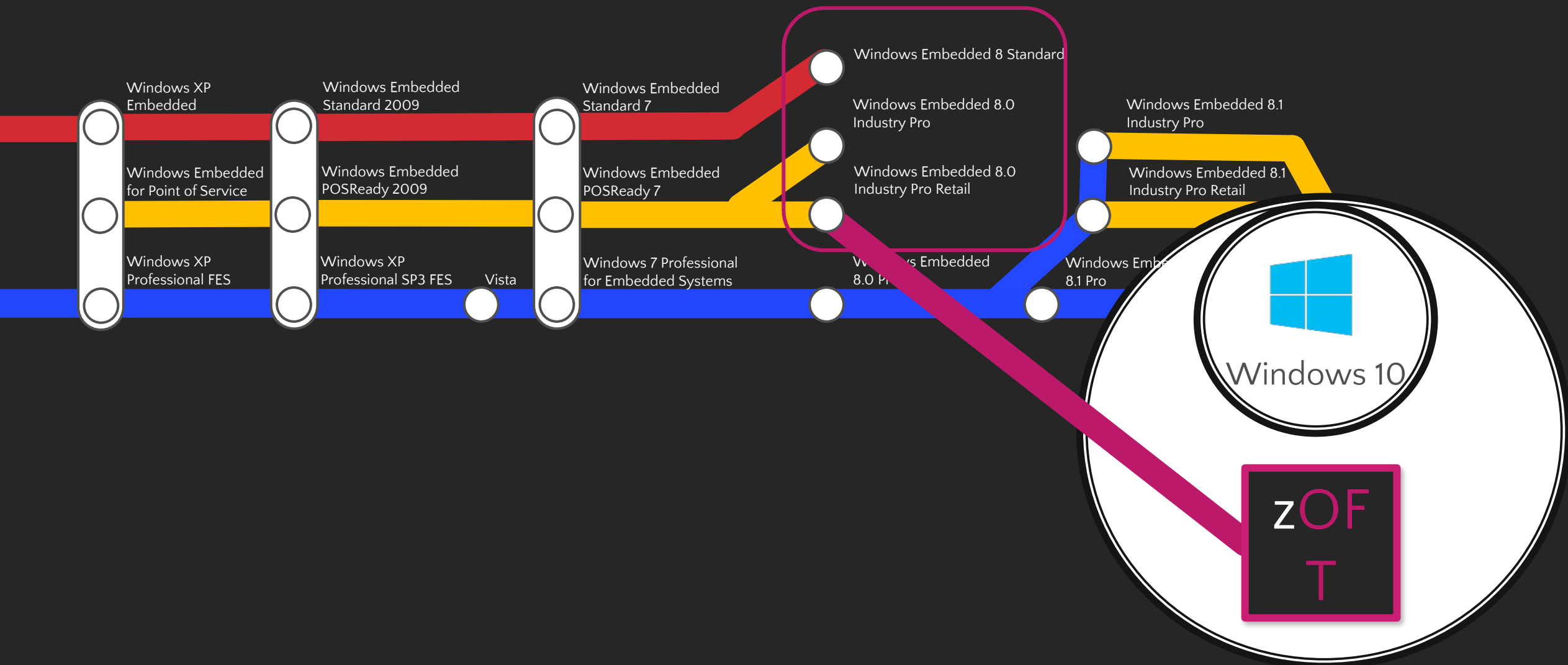
Next

Save Time!



zOFT

REAL EMBEDDED
OS ENDED HERE

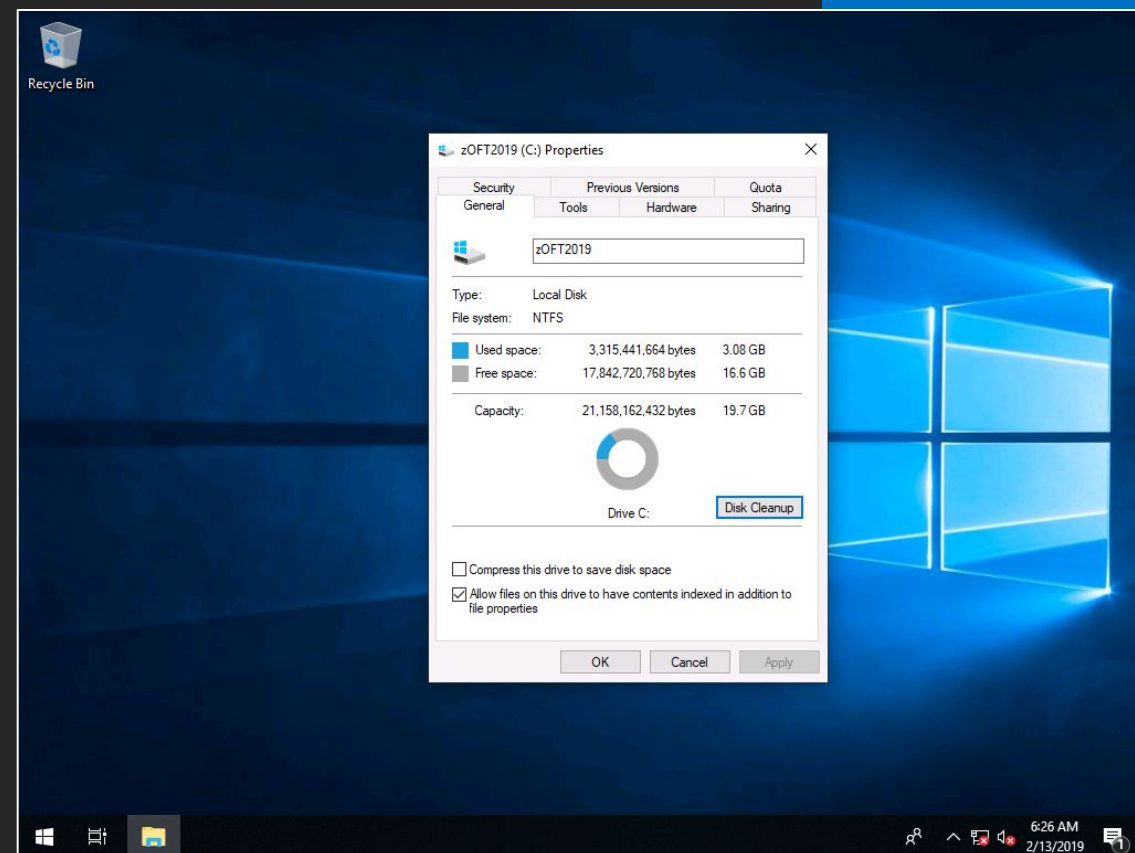




based on
Windows 10 IoT Enterprise 2019 LTSC
x64



- Windows 10 IoT Enterprise 2019 LTSC x64 (uncompressed)
- Windows 10 IoT Enterprise 2019 LTSC x64 with zOFT (compressed)



FEATURES

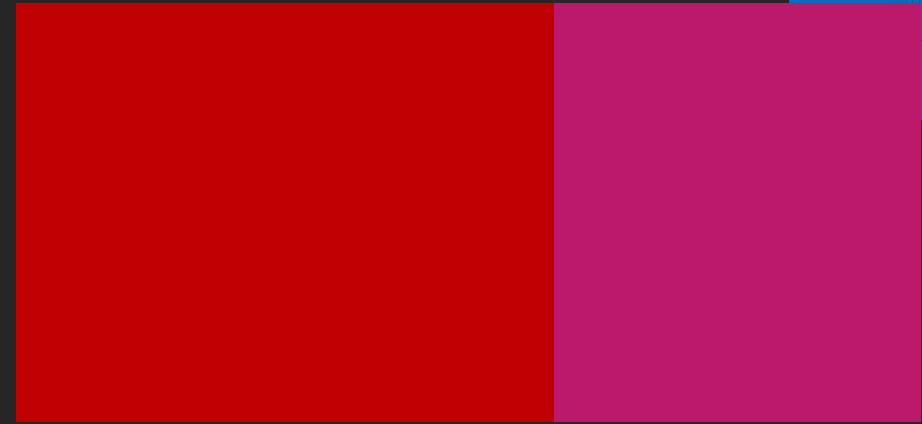


Windows 7

Windows Embedded
POSReady 7

Preconfigured OS from
Microsoft that does not
contain functionality that is
unnecessary for Embedded
devices

FEATURES



Windows 10 IoT
Enterprise

Windows 10 IoT Enterprise

Preconfigured OS from
zeroOS that does not
contain functionality that is
unnecessary for Embedded
devices or not available for
LTSB/C

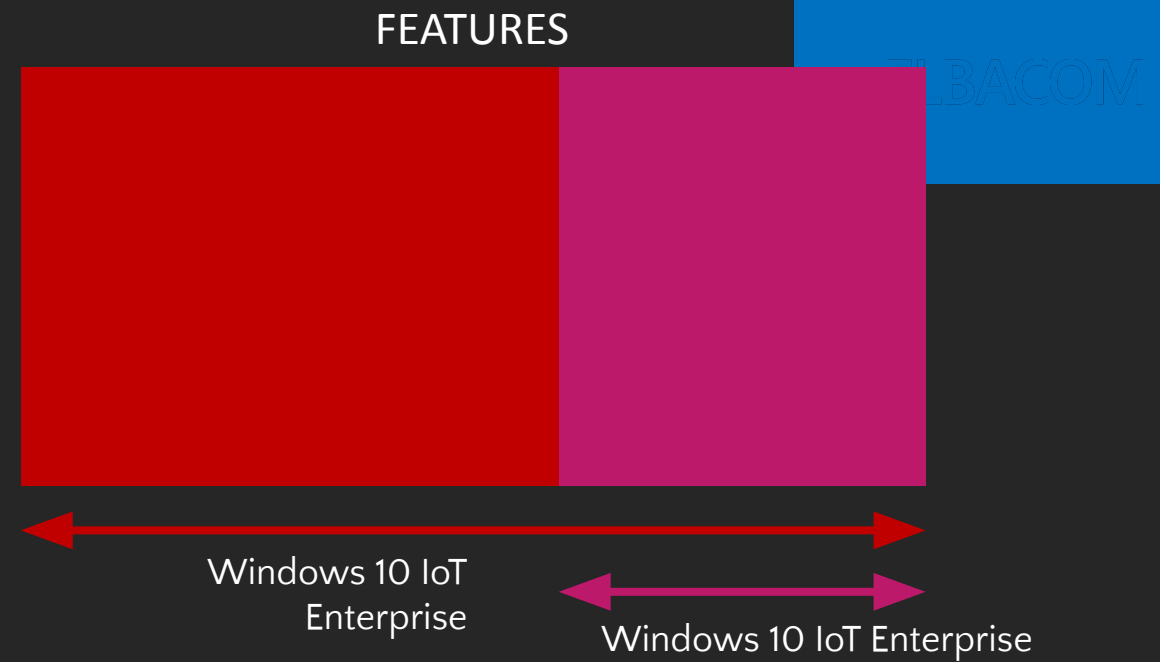
zOF
T

FULLY CONTROLLED UPDATES
UPDATES ARE DISABLED PER DEFAULT

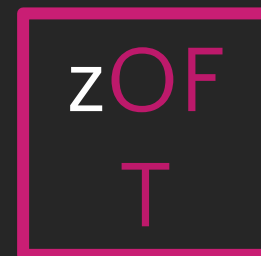
REMOVED UNUSED FEATURES
UNACCESSIBLE CORTANA
UNACCESSIBLE XBOX GAMING
UNACCESSIBLE STORE APPS

ALL EMBEDDED FUNCTIONALITY REMAINS
.NET FRAMEWORK, UWP, etc.

zOFT is still Windows 10!



Preconfigured OS from
zeroOS that does not
contain functionality that is
unnecessary for Embedded
devices or not available for
LTSB/C



UPDATES

UPDATES ARE DISABLED PER DEFAULT

every two months two weeks
after Microsoft Patchday

do not contain unused features

Windows 10 IoT Enterprise x64 with

zOFT

UPDATES CAN NOT BE DISABLED COMPLETELY

every month

complete Windows 10 updates

Windows 10 IoT Enterprise x64

RAM USAGE



■ free RAM
■ used by Windows

on a 2 GB system
a real-time extension can
use up to 1200 MB

Windows 10 IoT Enterprise x64 with

zOFT



■ free RAM
■ used by Windows

on a 2 GB system
a real-time extension can
use only up to 720 MB

Windows 10 IoT Enterprise x64

zOFT

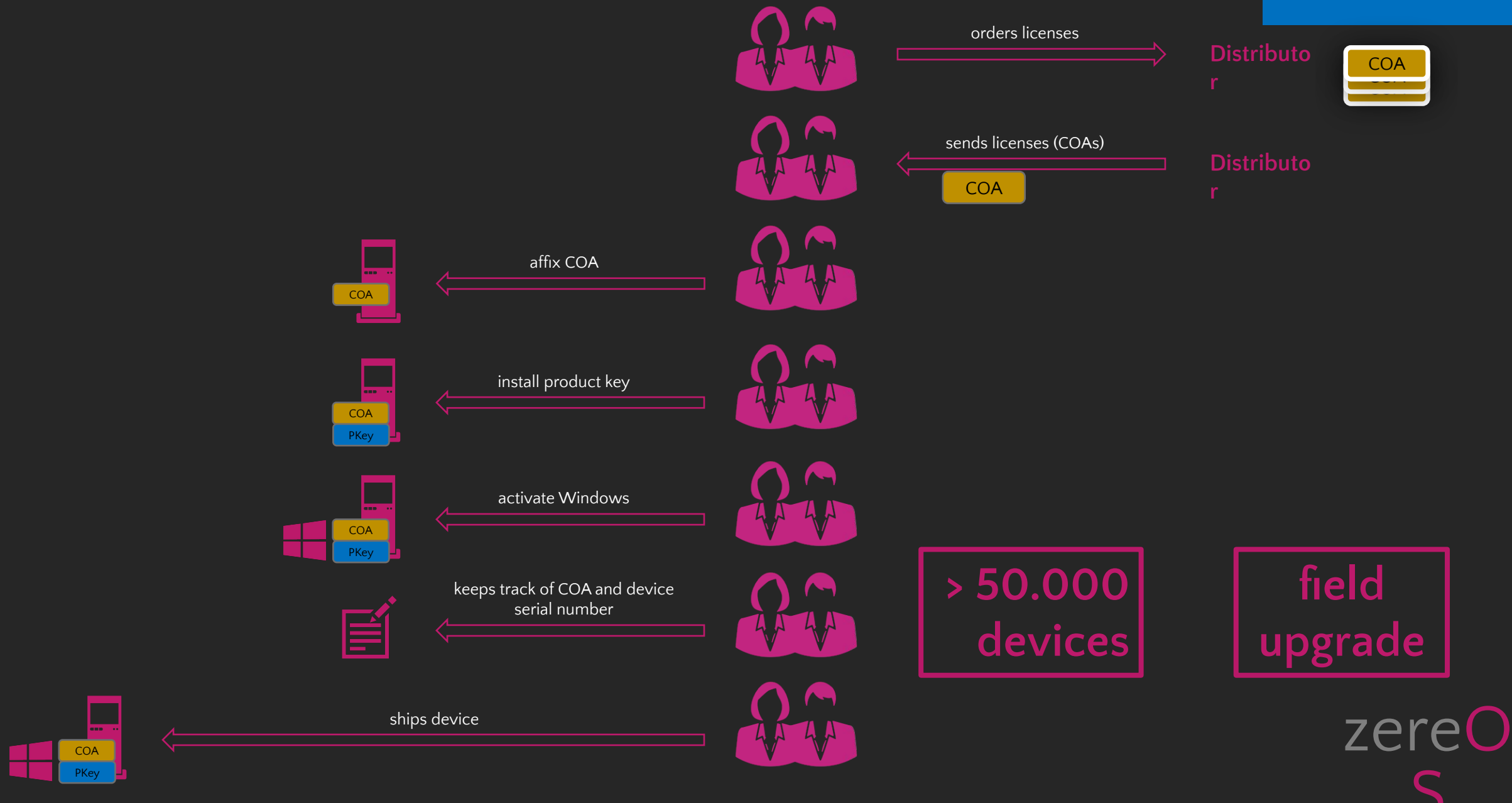
zDM

zereOS Device Manager

device licensing ▪ device activation ▪ do it the easy way

LICENSING PROCESS – CURRENTLY

ELBACOM



zeroOS Device Manager

An easy device management, license and activation solution

ELBACOM

COA

AAAAA-BBBBBB-CCCCC-DDDDD-EEEE



AUTOMATICALLY manage COAs

AUTOMATICALLY manage PRODUCT KEYS

AUTOMATICALLY manage ACTIVATIONS

NO WORRIES – NOTIFICATIONS

automatically when needed

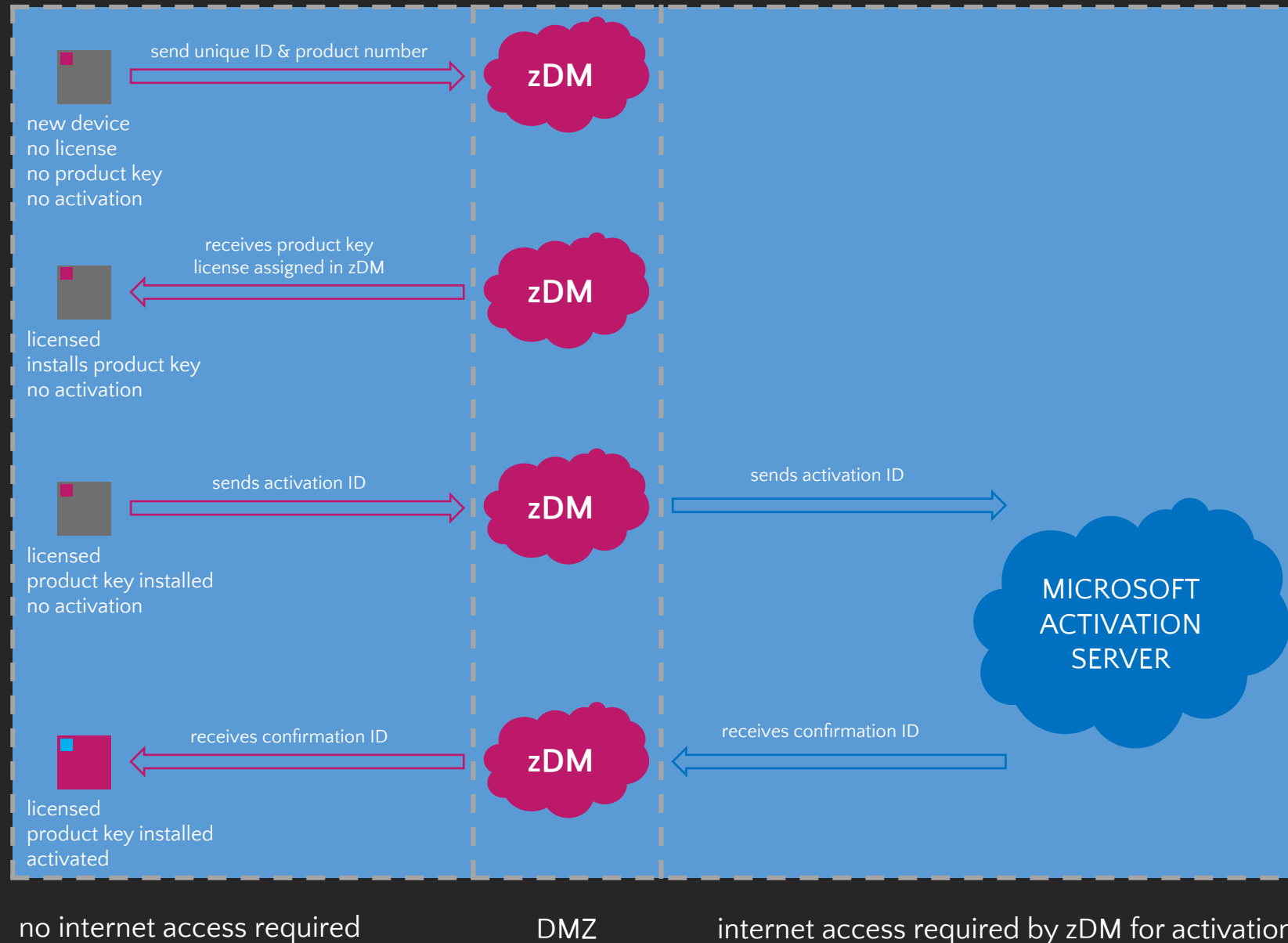
zeroOS

zereOS Device Manager

An easy device management, license and activation solution

ELBACOM

COMPLETE AUTOMATIC PROCESS



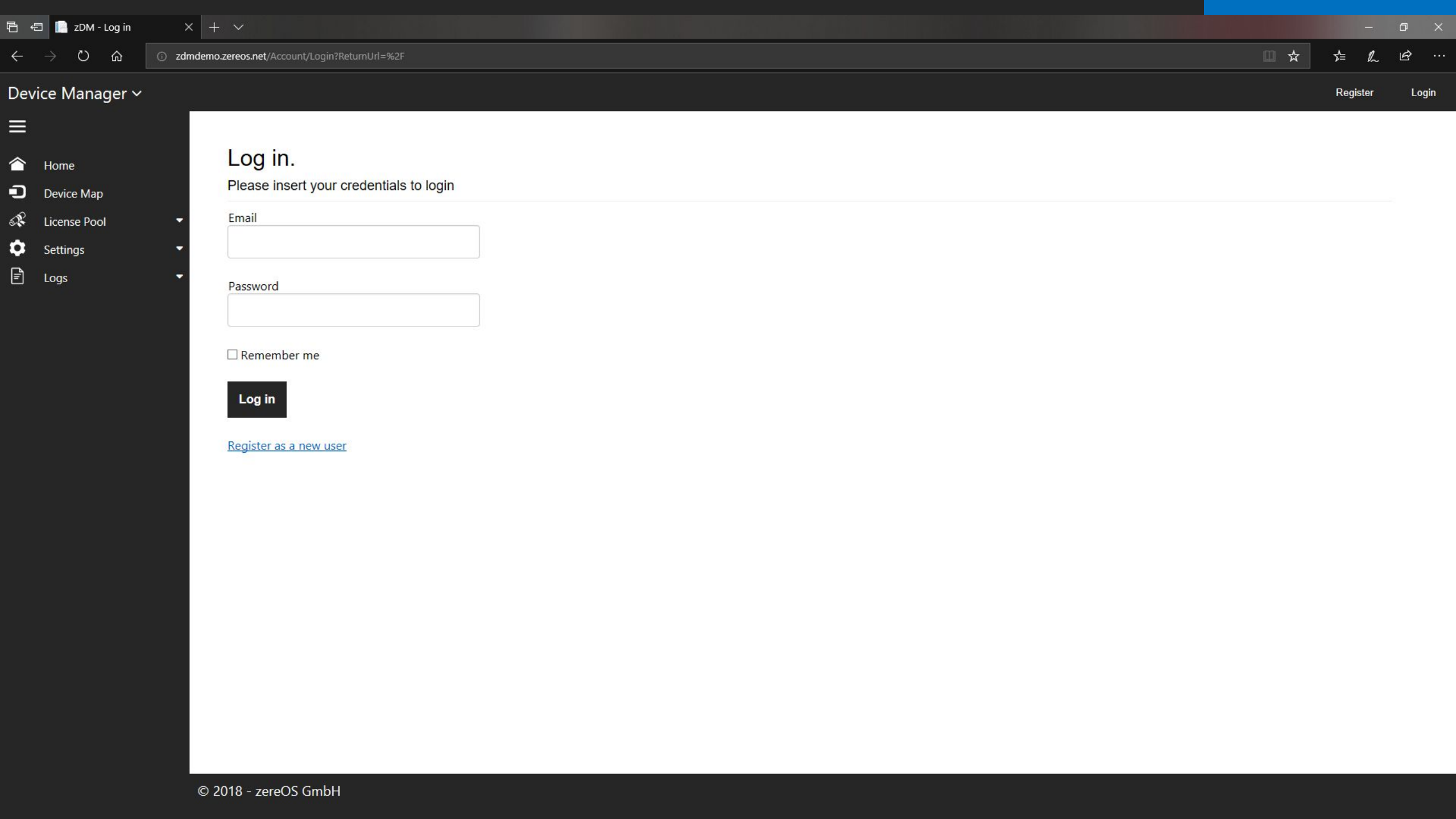
zeroOS Device Manager

An easy device management, license and activation solution

ELBACOM

ADVANTAGES

- **NO COA** stickers required [field upgrade]
- **AUTOMATIC SKU DETECTION** for Windows 10 IoT
- **EASY** activation management
- **EASY** Microsoft Audit
- **SOLUTION** for small and large customers
- **COST SAVINGS**



Log in.

Please insert your credentials to login

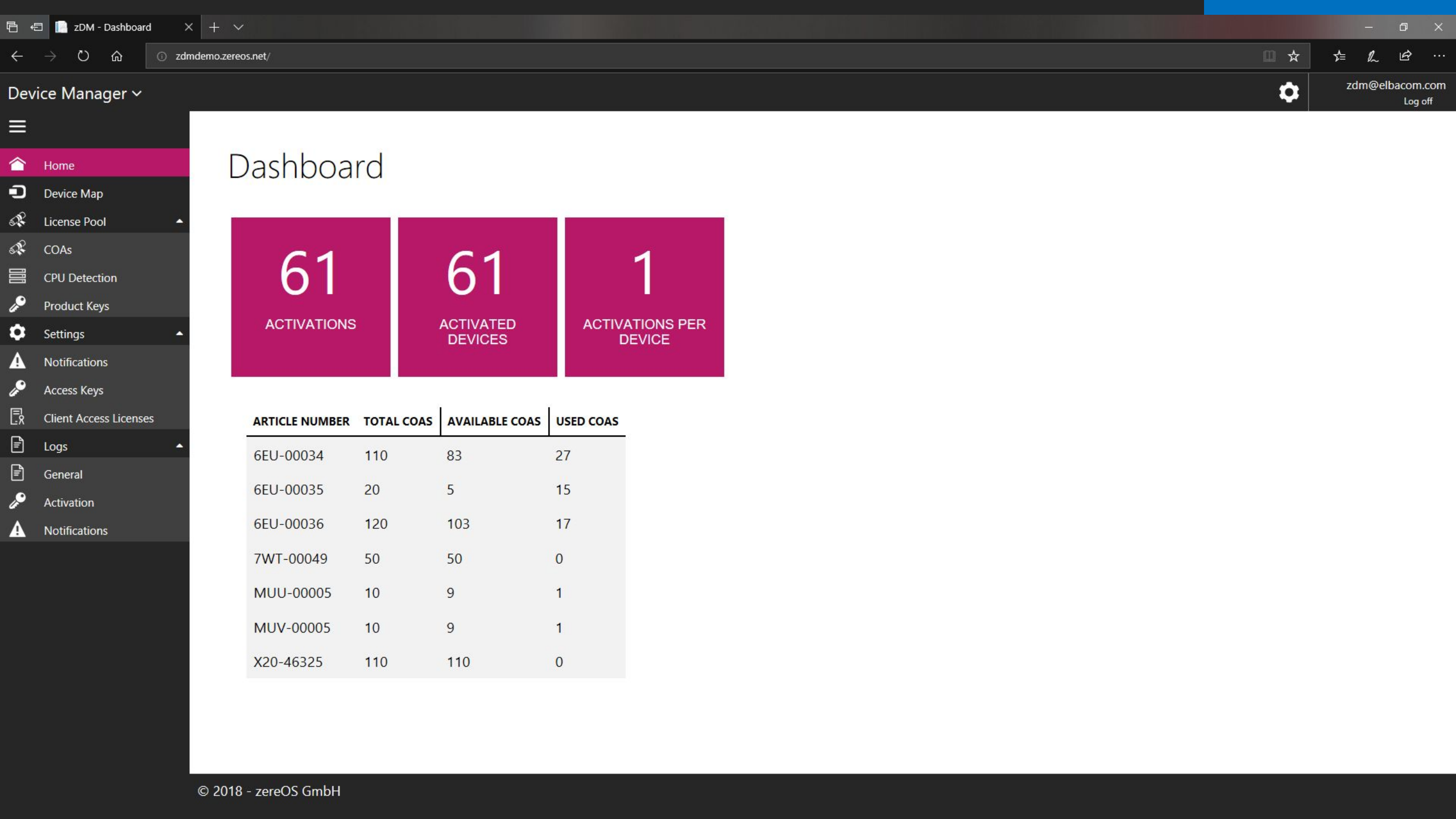
Email

Password

☐ Remember me

Log in

[Register as a new user](#)



Dashboard



ARTICLE NUMBER	TOTAL COAS	AVAILABLE COAS	USED COAS
6EU-00034	110	83	27
6EU-00035	20	5	15
6EU-00036	120	103	17
7WT-00049	50	50	0
MUU-00005	10	9	1
MUV-00005	10	9	1
X20-46325	110	110	0

zDM - Device Map

zdmdemo.zereos.net/Log/DeviceMap

Device Manager

Home

Device Map

License Pool

COAs

CPU Detection

Product Keys

Settings

Notifications

Access Keys

Client Access Licenses

Logs

General

Activation

Notifications

zdm@elbacom.com

Log off

Device Map

ExportFilter

CLIENTID	HOSTNAME	CPU	WINDOWS VERSION	ARTICLE NUMBER	COA	PRODUCT KEY	LAST ACTIVATED	NR. ACTIVATIONS
84:39:BE:64:10:4C	DESKTOP-BGTI07B	Intel(R) Atom(TM) x5-Z8350 CPU @ 1.44GHz	Windows 10 IoT Enterprise 2016 LTSB with zOFT	6EU-00036	0000-040-124-5201	...-XXXXX-JQMPK	31.07.2018 11:15:04	1
84:39:BE:64:10:4B	DESKTOP-BGTI37Z	Intel(R) Atom(TM) x5-Z8350 CPU @ 1.44GHz	Windows 10 IoT Enterprise 2016 LTSB	6EU-00036	0000-040-124-5202	...-XXXXX-JQMPK	31.07.2018 11:15:04	1
02:15:00:87:2B:95	DESKTOP-AVTI77X	Intel(R) Core(TM) i7-6600U CPU @ 2.60GHz	Windows 10 IoT Enterprise 2016 LTSB	6EU-00034	0000-087-746-3263	...-XXXXX-JXDF9	31.07.2018 11:15:04	1
93:01:AE:6B:D9:F8	DESKTOP-6E24F89	Intel(R) Core(TM) i7-6600U CPU @ 2.60GHz	Windows 10 IoT Enterprise 2016 LTSB	6EU-00034	0000-087-746-3264	...-XXXXX-JXDF9	08.10.2018 12:22:58	1
01:94:F7:0C:05:A1	DESKTOP-EC8F537	Intel Core i3-7020U @ 2.30GHz	Windows 10 IoT Enterprise 2016 LTSB	6EU-00035	0000-030-016-6250	...-XXXXX-FVV2J	08.10.2018 12:49:07	1
7A:E7:E4:C8:39:E3	DESKTOP-794AC32	Intel Atom D2500 @ 1.86GHz	Windows 10 IoT Enterprise 2016 LTSB	6EU-00036	0000-030-016-5200	...-XXXXX-JQMPK	08.10.2018 12:49:56	1
FF:46:A2:66:BC:AD	DESKTOP-8813297	Mobile AMD Athlon XP-M (LV) 2200+	Windows 10 IoT Enterprise 2016 LTSB	6EU-00036	0000-030-016-5201	...-XXXXX-JQMPK	08.10.2018 12:49:58	1
27:34:1E:C3:61:DE	DESKTOP-3A8A752	Intel Core i5-5200U @ 2.20GHz	Windows 10 IoT Enterprise 2016 LTSB	6EU-00035	0000-030-016-6251	...-XXXXX-FVV2J	08.10.2018 12:49:59	1
6E:40:B5:1E:2E:BE	DESKTOP-9B8D2A0	VIA Nano U3100 (1.6GHz Capable)	Windows 10 IoT Enterprise 2016 LTSB	6EU-00036	0000-030-016-5202	...-XXXXX-JQMPK	08.10.2018 12:50:06	1
84:94:B0:6A:9E:E4	DESKTOP-3E073F7	Intel Core i7-4760HQ @ 2.10GHz	Windows 10 IoT Enterprise 2016 LTSB	6EU-00034	0000-087-746-3278	...-XXXXX-JXDF9	08.10.2018 12:50:08	1

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zDM - COAs

zdmdemo.zereos.net/AdminCoa

zdm@elbacom.com
Log off

Device Manager

Home

Device Map

License Pool

COAs

CPU Detection

Product Keys

Settings

Notifications

Access Keys

Client Access Licenses

Logs

General

Activation

Notifications

COAs

+ Create New

ARTICLE NUMBER	FIRST COA	LAST COA	NR. COAS	USED COAS	
6EU-00034	00000-877-463-263	00000-877-463-372	110	14	
6EU-00035	00000-300-166-250	00000-300-166-269	20	15	
6EU-00036	00000-300-165-200	00000-300-165-209	10	10	
6EU-00036	00000-401-242-100	00000-401-242-109	10	0	
6EU-00036	00000-401-245-200	00000-401-245-299	100	2	
7WT-00049	00000-902-375-410	00000-902-375-459	50	0	
MUU-00005	00012-345-678-200	00012-345-678-209	10	1	
MUV-00005	00012-345-678-100	00012-345-678-109	10	1	
X20-46325	00000-500-245-270	00000-500-245-379	110	0	

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zDM - CPU Detection Li

zdmdemo.zereos.net/AdminCPUDetect

Device Manager

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COAs

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Access Keys

Client Access Licenses

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Notifications

zdm@elbacom.com

Log off

CPU Detection Lists

+ Create New

NAME	ENTRY ARTICLE NUMBER	VALUE ARTICLE NUMBER	HIGH END ARTICLE NUMBER	
2016LTSB	6EU-00036	6EU-00035	6EU-00034	
2019LTSC	MUV-00005	MUU-00005	MUT-00013	

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zDM - Product Keys

zdmdemo.zereos.net/AdminProductKey

zdm@elbacom.com
Log off

Device Manager

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License Pool

COAs

CPU Detection

Product Keys

Settings

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General

Activation

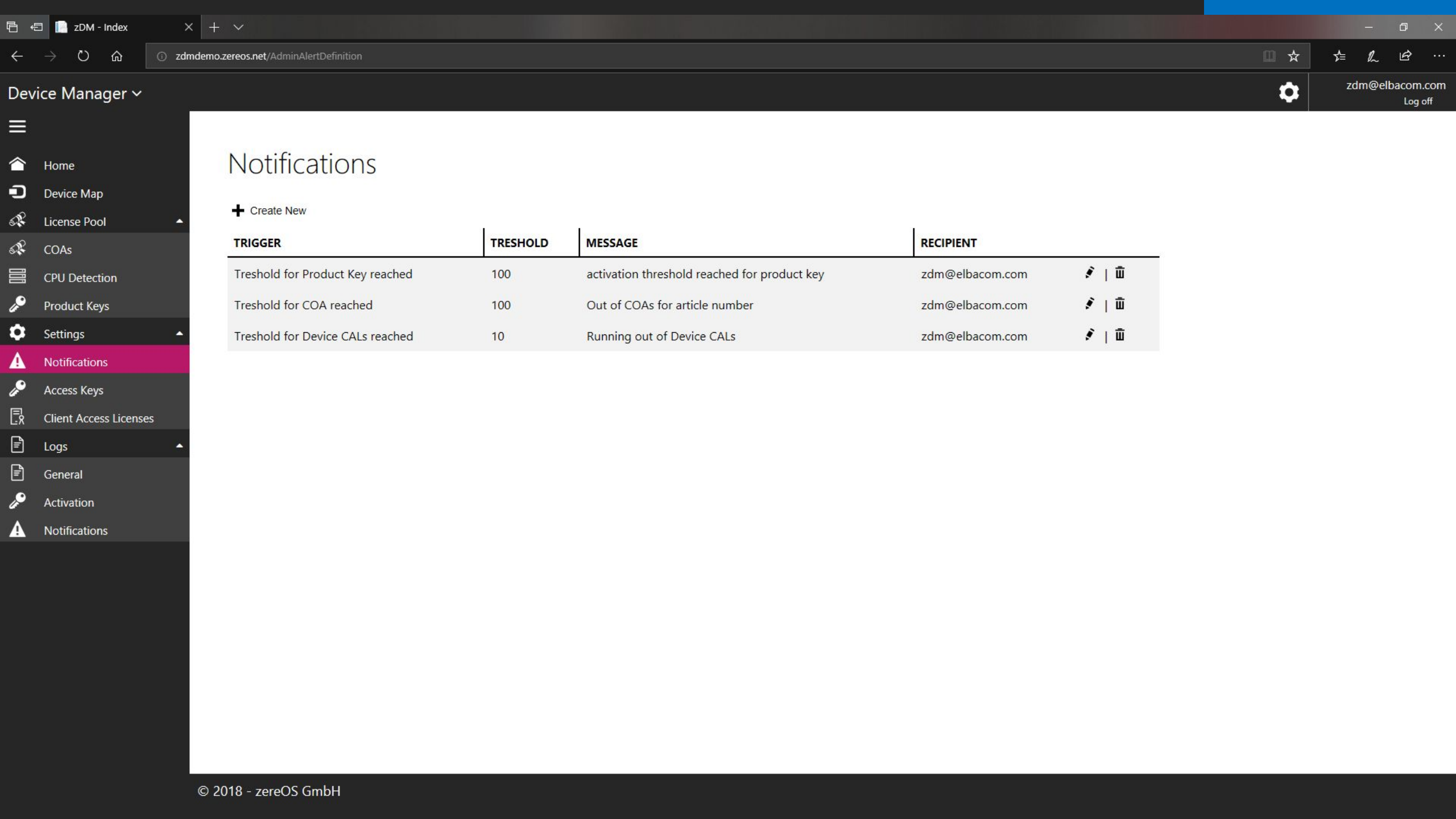
Notifications

Product Keys

+ Create New

ARTICLE NUMBER	PRODUCT KEY	MAX. ACTIVATIONS	NR. ACTIVATIONS	
6EU-00036	...-XXXXX-JQMPK	50000	59	
6EU-00034	...-XXXXX-JXDF9	50000	2	
6EU-00035	...-XXXXX-FVV2J	50000	15	
MUU-00005	...-XXXXX-KQDCB	50000	2	
MUV-00005	...-XXXXX-KQDCB	50000	7	
MUT-00013	...-XXXXX-KQDCB	50000	0	

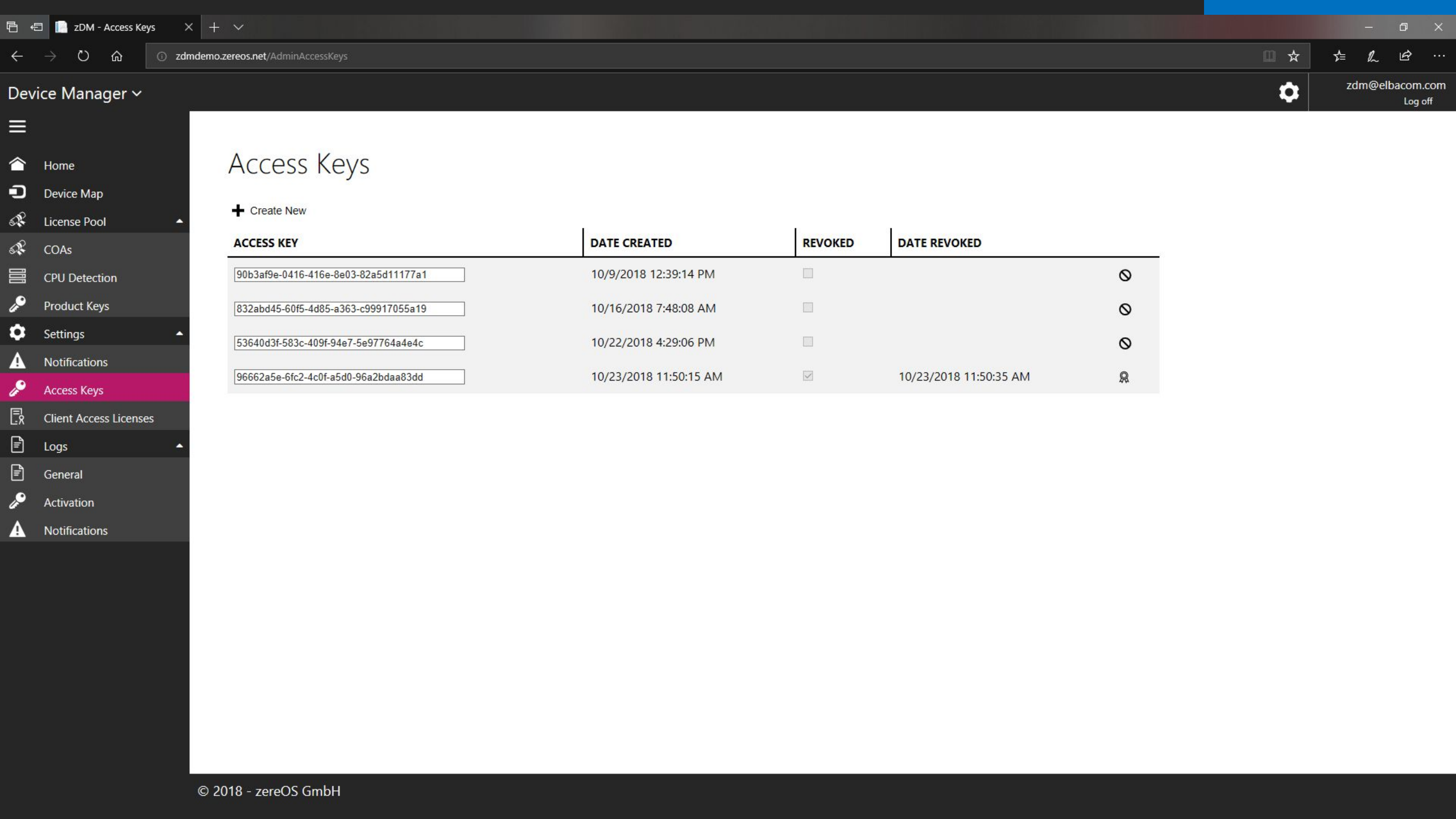
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Notifications

+ Create New

TRIGGER	TRESHOLD	MESSAGE	RECIPIENT	
Threshold for Product Key reached	100	activation threshold reached for product key	zdm@elbacom.com	 
Threshold for COA reached	100	Out of COAs for article number	zdm@elbacom.com	 
Threshold for Device CALs reached	10	Running out of Device CALs	zdm@elbacom.com	 



Access Keys

+ Create New

ACCESS KEY	DATE CREATED	REVOKED	DATE REVOKED
90b3af9e-0416-416e-8e03-82a5d11177a1	10/9/2018 12:39:14 PM	☐	
832abd45-60f5-4d85-a363-c99917055a19	10/16/2018 7:48:08 AM	☐	
53640d3f-583c-409f-94e7-5e97764a4e4c	10/22/2018 4:29:06 PM	☐	
96662a5e-6fc2-4c0f-a5d0-96a2bdaa83dd	10/23/2018 11:50:15 AM	☒	10/23/2018 11:50:35 AM

zDM - zDM CALs

zdmdemo.zereos.net/Licensing

Device Manager

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License Pool

COAs

CPU Detection

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zdm@elbacom.com

Log off

zDM CALs

103
LICENSED DEVICES

48
LICENSES USED

55
FREE LICENSES

LICENSE AMOUNT	PRODUCT KEY	ACTIVATED
100	BELT7-K5A0D-8C4E8-0CCCF-FSH45-3SPF4	☒
1	NJ3XE-SGGG5-7W6Y8-0FVE7-4721F-KSSVE	☒
2	47HP1-N5KYF-420E8-0ESR8-CA4P6-44F02	☒

If you have already purchased additional device CALs, please enter the product key below and click "Activate".

Activate

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zDM - Activation Log

Device Manager

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Export

DATE	CLIENTID	HOSTNAME	INSTALLATIONID	CONFIRMATIONID	PRODUCTKEY	COA	ARTICLENUMBER
09.10.2018 12:45:33	52:97:3E:57:FA:4C	DESKTOP-52F9FB4	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-JXDF9	877463289	6EU-00034
09.10.2018 08:15:57	7C:42:0F:99:C8:59	DESKTOP-853523C	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-JXDF9	877463288	6EU-00034
08.10.2018 12:53:35	CB:BE:92:BF:A9:1D	DESKTOP-FFF29D5	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-JQMPK	401242204	6EU-00036
08.10.2018 12:53:30	DB:55:3B:5E:6F:D0	DESKTOP-EDE6B35	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-FVV2J	300166264	6EU-00035
08.10.2018 12:53:27	67:7A:7B:97:80:70	DESKTOP-A293440	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-FVV2J	300166263	6EU-00035
08.10.2018 12:53:05	C7:E2:99:D4:F3:BB	DESKTOP-CC088D2	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-FVV2J	300166262	6EU-00035
08.10.2018 12:53:01	CF:48:30:A1:CD:03	DESKTOP-ADFD93F	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-FVV2J	300166261	6EU-00035
08.10.2018 12:52:57	07:AC:6B:04:AD:F8	DESKTOP-94D841B	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-FVV2J	300166260	6EU-00035
08.10.2018 12:52:52	E9:F0:CA:16:C9:0D	DESKTOP-2831821	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-JQMPK	401242203	6EU-00036
08.10.2018 12:52:38	55:46:86:E5:FF:51	DESKTOP-5D178F1	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-JQMPK	401242202	6EU-00036
08.10.2018 12:52:14	92:9B:2E:D5:5C:D1	DESKTOP-1DADABF	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-FVV2J	300166259	6EU-00035
08.10.2018 12:52:07	16:43:7B:D5:CF:2B	DESKTOP-1939D54	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-JQMPK	401242201	6EU-00036
08.10.2018 12:51:43	54:3B:DC:D7:73:D0	DESKTOP-CF08927	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-FVV2J	300166258	6EU-00035
08.10.2018 12:51:40	B6:9A:ED:43:7A:BB	DESKTOP-F5C48A9	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-FVV2J	300166257	6EU-00035
08.10.2018 12:51:33	47:31:AF:CC:93:28	DESKTOP-4DBA033	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-JQMPK	401242200	6EU-00036
08.10.2018 12:51:31	EA:14:3D:82:02:11	DESKTOP-147AAAD	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-FVV2J	300166256	6EU-00035
08.10.2018 12:51:24	BC:75:9A:93:19:57	DESKTOP-DBAAC69	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-JQMPK	300165209	6EU-00036
08.10.2018 12:51:15	D7:88:EB:D1:12:0B	DESKTOP-E620880	FAKE68731253812791273	FAKE56789012345678901	...-XXXXX-FVV2J	300166255	6EU-00035

zdm@elbacom.com
Log off

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Alerts

SENDDATE	TITLE	TRIGGER	PARAMETER	TARGET	RECIPIENT	SUCCESS
Not found						

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Manage your account settings

Password settings



Change Password

Role Manager



Manage Roles

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Role Manager

Role List

Administrators	 
AlertAdmins	 
COAAdmins	 
CPUDetectionsAdmins	 
DeviceMapViewers	 
LogViewers	 
ProductKeyAdmins	 
ReadOnly	 

Create A New Role

Role name:

Save

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