SCCM compliance settings to detect ESU activation for windows 7

In this post, I will show you how to create Configuration Item (CI) and Configuration Baseline (CB) used to deduct ESU activation status for Windows 7. The CI and CB has to be created and deployed to Windows 7 collection.

Within the lab, I do not have Windows 7 with ESU license. So, it will be a demo that, I can will performing against Windows 7 collection (which is **EMPTY**). You can use the same steps, if you have ESU license key installed for Windows 7 workstations.

End of support for Windows 7 finished on 14th Jan 2020. If you have any workstations with Windows 7 it will require ESU license to get update released by Microsoft. There is a cost for obtaining ESU license. I believe it was \$25 per machine per year. This gives you time to upgrade Windows 7 to Windows 10.

The steps are as follows:

- 1. Enable Hardware class inventory
- 2. Create CB and CI
- 3. Deploy CB to Windows 7 collection
- 4. Check CI / CB status on client workstation (Control Panel Configuration Manager)
- 5. Run Compliance Report to get compliant or non compliant status

Hardware Class Inventory

Save		Properties			
Sea		Properties			
Overvie	ew 🕨	Client Settings			
<	Client 3	Settings 3 items			
	Search	2			
	lcon	Name	Туре	Priority	Deployments
		Default Client Settings	Default	10000	0

Default Settings

Client Cache Settings Client Policy Cloud Services Compliance Settings Computer Agent Computer Restart Delivery Optimization Endpoint Protection	Specify settings that apply to all clien Specify hardware inventory settings for client Device Settings Enable hardware inventory on clients		ified by custom settings.
Enrollment Enrollment Hardware Inventory Metered Internet Connections Power Management Remote Tools Software Center Software Deployment Software Inventory Software Metering Software Updates State Messaging User and Device Affinity Windows Diagnostic Data Settings	Hardware inventory schedule Maximum random delay (minutes) Maximum custom MIF file size (KB) Hardware inventory classes Collect MIF files	Occurs every 7 days effective 01-Feb-1970 12:00 AM 240 250 None	Schedule Set Classes

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Hardware Inventory Classes			-	- 🗆	\times
Select the classes that will be coll	ected by hardware inventory				
soft		🗡 🛛 Filter b	y category 🔻	Filter by type	•
	Intelligence (SMS_InstalledSoftware) t - Asset Intelligence (SoftwareLicens - Asset Intelligence (SoftwareLicens Intelligence (SMS_SoftwareShortcut)	singProduct) ingService)			
	Import	Export	Add	Delete	
			ОК	Cancel	
 ➢ Default Settings Background Intelligent Transfer Client Cache Settings Client Policy Cloud Services Compliance Settings Computer Agent Computer Restart Delivery Optimization Endpoint Protection Enrollment Hardware Inventory Metered Internet Connections Power Management Remote Tools Software Center Software Inventory Software Metering Software Updates State Messaging User and Device Affinity Windows Diagnostic Data Settings 	Default Settings Image: Specify settings that apply to all client Specify hardware inventory settings for client Device Settings Enable hardware inventory on clients Hardware inventory schedule Maximum random delay (minutes) Maximum custom MIF file size (KB) Hardware inventory classes Collect MIF files		ective Sche		x
			ОК	Cancel	

Compliance Baseline and Compliance Item

I download cab file from GitHub. If you need contact me <u>ram@ramlan.ca</u> I will be using these cab file to import CB and CI.

CB → OS (C:) → Sources	Scripts > ESU CB CI	>			
Name CB - ESU - Server 2 CB - ESU - Window	008 Activation.cab	 Date modified <u>09-May-2020 11:3</u> <u>09-May-2020 11:3</u> 	Type <u>Cabinet File</u> <u>Cabinet File</u>	Size <u>4 KB</u> <u>4 KB</u>	
 Compliance Settin Configuration Ite Configuration Configuration User Data an OneDrive for Remote Cont Compliance Import Configuration Dat Select Files 	Create Configurati Import Configurati Recast RCT Folder				×
Select Files Summary Progress Confirmation	Import configuration in from other configuration	tems and configuration base on data sources. nfiguration items or configurat Date Modified	lines from best-practices (Configuration Packs and	9
	Create a new cop	y of the imported configuration			
		< Previous	Next > Sur	mmary Cancel	
Configuration Manager			×		
	CB - ESU - Windows ified. Are you sure tha				
		Yes No			

Import Configuration Date	ta Wizard				×
Select Files					
Select Files Summary Progress	Specify the files fro configuration basel		rt configura	tion items a	and
Confirmation	Import configuration items a from other configuration da	and configuration baselir ta sources.	nes from best-prac	tices Configurati	on Packs and
	Files that contain configura	tion items or configuration	on baselines:		
	Filter				2
	Name CB - ESU - Windows 7 ac	Date Modified 09-May-2020 11:38	Size :18 PM 3.21 KE	3	
				Add	Remove
	Create a new copy of th	ne imported configuration	n baselines and c		
		< Previous	Next >	Summary	Cancel
Import Configuration Dat	a Wizard				×
Summary					
Select Files Summary	Confirm the configu	ration data to be	e imported:		
Progress Confirmation	The wizard will import the fo	llowing configuration da	ta.		
	Details:				
	□·· Configuration Baseline ····· CB - ESU - Windo □·· Configuration Items (1 ···· CI - ESU - Window	ows 7 activation)			
	To change these settings, a	click Previous. To apply	the settings, click	: Next.	
		< Previous	Next >	Summary	Cancel

Import Configuration Data W	fizard							×
Confirmation								
Summary	Completing the Imp	port Config	juratio	n Data	Wizaro	d		
Progress Confirmation	You have successfully cor	mpleted the Imp	ort Config	juration Da	ata Wizaro	d with the fo	llowing de	tails.
	Details:							
	Configuration Bas CB - ESU - V Configuration Iter Configuration Iter	Vindows 7 activ ms (1) /indows 7 statu						
		< Previo	us	Next >		Summary		Close
Overview Compliance Settings	Configuration Baselines 🕨							
< Configuration Baselines 3 items								
Search								
Icon Name	A			Status	Deployed	User Setting	Date Mo	odified
CB - Check client boundary grou	ip .			Enabled	Yes	No	17-Feb	2020 10:39 AM
CB - ESU - Windows 7 activation				Enabled	No	No	11-May	-2020 11:24 AM
CB – Office Activation				Enabled	Yes	No	13-Sep	-2019 9:57 AM
Overview Compliance Settings Configuration It	ems							
< Configuration Items 16 items								
Search		1	1	1	1	1	1	
Icon Name		Туре	Device Type	Revision		Relationships	User Setting	Date Modified
Check Client Boundary Groups CI - ESU - Server 2008 Status		Operating System Operating System	Windows Windows	1	No No	Yes Yes	No No	17-Feb-2020 10:3 11-May-2020 11:2
CI - ESU - Windows 7 status		Operating System	Windows	2	No	Yes	No	11-May-2020 11:2
Deploy CI and CB to Windo	ows 7 collection							

	CB - ESU - Windows 7 activation		c
	CB – Office Activation	~	Show Members
		9	Schedule Summarization
			Run Summarization
		-	View Xml Definition
		1	Enable
			Disable
		-	Export
			Сору
		Q	Refresh
		\mathbf{x}	Delete
CB - I	ESU - Windows 7 activation	-	Deploy

Deploy Configuration Baselines

Select the configuration baselines that you want to deploy to a collection

Available configuration baselines:	Selected configuration baselines:
Filter 🔎	Filter
CB - Check client boundary group	Add > CB - ESU - Windows 7 activation
Remediate noncompliant rules when supported	
Allow remediation outside the maintenance window	v
Generate an alert:	
When compliance is below:	90 🜲 %
Date and time:	11-May-2020 V 11:29 AM 🜩
Generate System Center Operations Manager alert	
Select the collection for this configuration baseline deployme	nent.
Collection: Win 7	Browse
Schedule	
Specify the compliance evaluation schedule for this configu	uration baseline:
 Simple schedule 	
Run every: 7 🖨 Days	; ~ · ·
Custom schedule	
No custom schedule defined.	Customize
	OK Cancel

Check CI & CB Status on client workstation

On windows 7 machine when the Compliance Item and Configuration Baseline run – it will show up as compliant or non compliant. The compliance schedule is set to run once a week. If you want to trigger right way – run machine and user policy.

🛼 Configuration	n Manager Properti	es			\times
General	Components		Actions	Site	
Cache	Configur	ations		Network	i
Assigned config	uration baselines:	-			
Name		Re	Last Evaluat	ti Complian	
Bit Locker Poli		1	08-May-202		
	ent boundary group	1	04-May-202		
CB - Office Ac		1	N/A	Unknow	
Edge Browser	Profile for Win 10	1	10-May-202	0 Complian	
<				>	
Eva	luate Vie	w Repo	rt	Refresh	
	OK		Cancel	Apply	

Run Report

From Monitoring – Report – You can run this report

	e 10 10 e 10 10 10	I.		
Summary compliance by con	figuration items for a configuration b	aseline		
	for a first the baseline		_ □	\times
Summary compliance by configuration it			- L	
To view the report, provide values for the pa Report Category	rameters below, then click View Report.			
Compliance and Settings Management				
Report Name Summary compliance by configuration items	for a configuration baseline			
Report Description		_		
Displays a summary of the compliance of co	nfiguration items in a specified configuration base	ine.	Ċ	网
Configuration Baseline Name:		Values	View Report	
Category:		Values		_
Minimum Severity:		Values		
Collection: < Back		Values		1 2
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Parameter Value		×		
	when running the report.	×		
Parameter Value Select a value to use for this parameter	when running the report.	×		
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Select a value to use for this parameter Filter Configuration Baseline Name				
Select a value to use for this parameter Filter Configuration Baseline Name 1A: CustomerReady_ESU - Windows	Server 2008/2008 R2 - KB Check - Pre-			
Select a value to use for this parameter Filter Configuration Baseline Name 1A: CustomerReady_ESU - Windows 1B: CustomerReady_ESU - Windows	Server 2008/2008 R2 - KB Check - Pre 7 - KB Check - Pre-req KBs	-Req KBs		
Select a value to use for this parameter Filter Configuration Baseline Name 1A: CustomerReady_ESU - Windows 1B: CustomerReady_ESU - Windows 2: CustomerReady_ESU - Windows 7	Server 2008/2008 R2 - KB Check - Pre-	-Req KBs		
Select a value to use for this parameter Filter Configuration Baseline Name 1A: CustomerReady_ESU - Windows 1B: CustomerReady_ESU - Windows 7 CB - Check client boundary group	Server 2008/2008 R2 - KB Check - Pre 7 - KB Check - Pre-req KBs	-Req KBs		
Select a value to use for this parameter Filter Configuration Baseline Name 1A: CustomerReady_ESU - Windows 1B: CustomerReady_ESU - Windows 7 CB - Check client boundary group CB - ESU - Server 2008 Activation	Server 2008/2008 R2 - KB Check - Pre 7 - KB Check - Pre-req KBs	-Req KBs		
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Summary compliance by configuration ite	_		×		
 To view the report, provide values for the parameters below, then click View Report. Report Category Compliance and Settings Management Report Name Summary compliance by configuration items for a configuration baseline Report Description Displays a summary of the compliance of configuration items in a specified configuration baseline. 					
					颅
Configuration Baseline Name:	CB - ESU - Windows 7 activation	Values	Vie	w Report	
Category:	<all values=""></all>	Values			
Minimum Severity:	<all values=""></all>	Values			
Collection:	<all values=""></all>	Values			
< Back					欧
I	100%	Find Next	-		

Click View Report to get ESU status

This concludes ESU license reporting status using CI and CB.

Thanks

Ram Lan 11th May 2020