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

Hardware Inventory Classes

Select the classes that will be collected by hardware inventory

[soft] ✕ | Filter by category ▾ | Filter by type ▾

▷ ☐ AutoStart Software - Asset Intelligence (SMS_AutoStartSoftware)
▷ ◼ DCIM Software Identity (DCIM_SoftwareIdentity)
▷ ☑ Installed Software - Asset Intelligence (SMS_InstalledSoftware)
▷ ☑ **Software Licensing Product - Asset Intelligence (SoftwareLicensingProduct)**
▷ ☐ Software Licensing Service - Asset Intelligence (SoftwareLicensingService)
▷ ☐ Software Shortcut - Asset Intelligence (SMS_SoftwareShortcut)
▷ ☐ Software Tag - Asset Intelligence (SMS_SoftwareTag)

[Import...] [Export...] [Add...] [Delete]

➡ [OK] [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 Deployment
- Software Inventory
- Software Metering
- Software Updates
- State Messaging
- User and Device Affinity
- Windows Diagnostic Data Settings

Default Settings

Specify settings that apply to all clients in the hierarchy, and can be modified by custom settings.

Specify hardware inventory settings for client computers.

Device Settings

Enable hardware inventory on clients	Yes ▾
Hardware inventory schedule	Occurs every 7 days effective 01-Feb-1970 12:00 AM [Schedule ...]
Maximum random delay (minutes)	240
Maximum custom MIF file size (KB)	250
Hardware inventory classes	[Set Classes ...]
Collect MIF files	None ▾

➡ [OK] [Cancel]

Compliance Baseline and Compliance Item

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

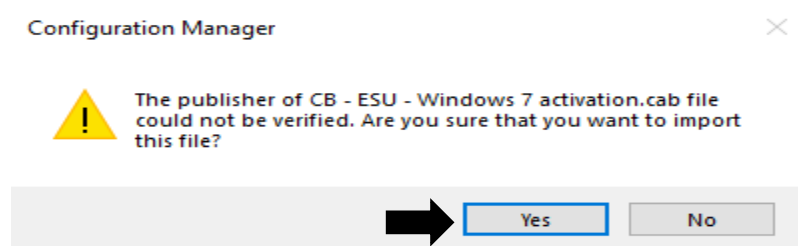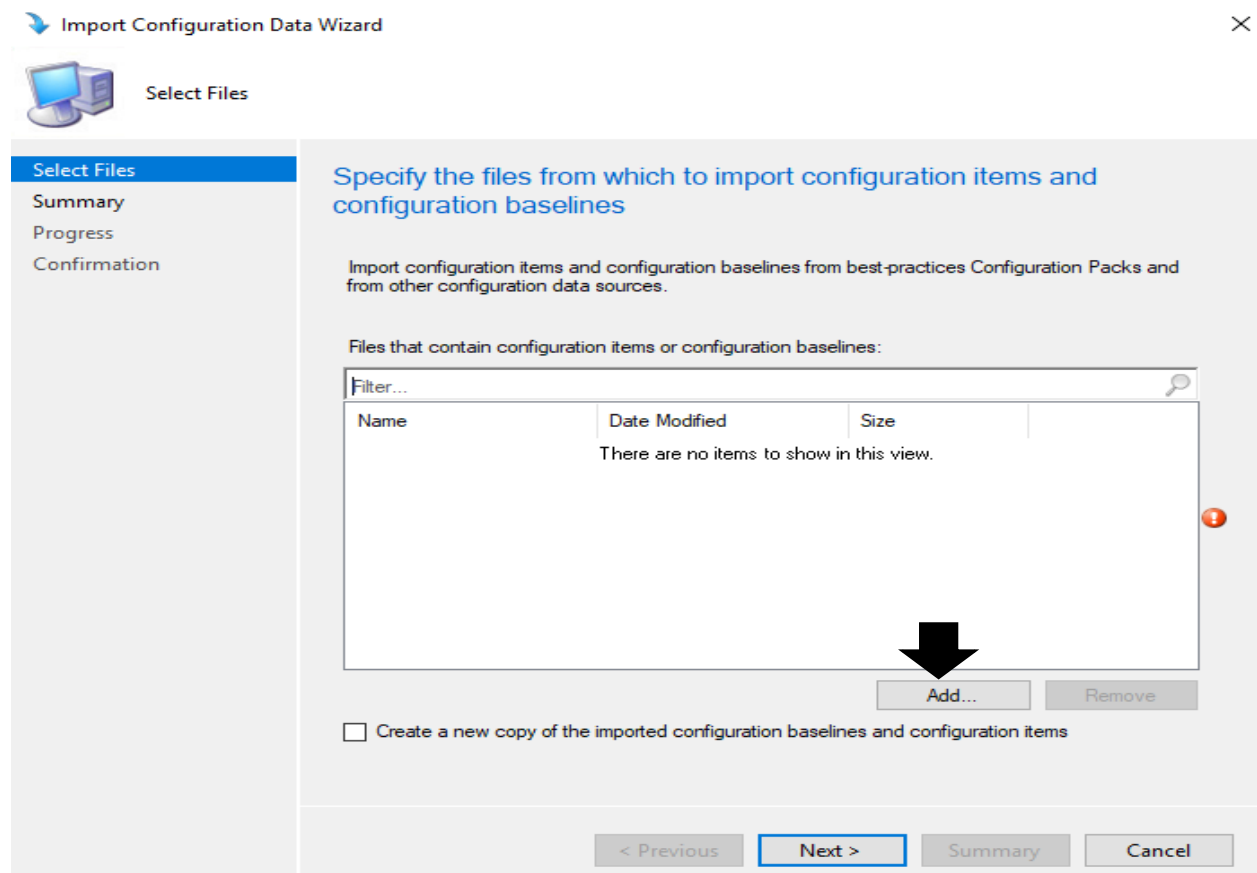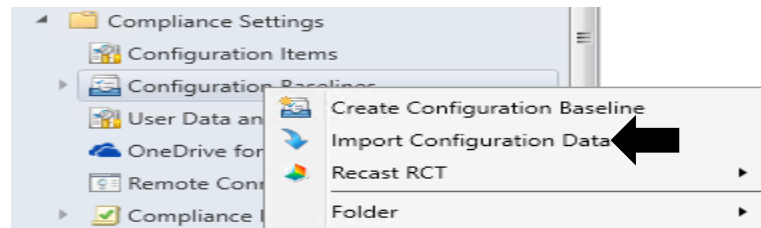CB > OS (C:) > Sources > Scripts > ESU CB CI >

Name	Date modified	Type	Size
CB - ESU - Server 2008 Activation.cab	09-May-2020 11:3...	Cabinet File	4 KB
CB - ESU - Windows 7 activation.cab	09-May-2020 11:3...	Cabinet File	4 KB

▲ 📁 Compliance Settings
    📝 Configuration Items
  ▶ 🖥 Configuration Baselines
    📝 User Data an
    ☁ OneDrive for
    🖳 Remote Con
  ▶ ☑ Compliance

    📑 Create Configuration Baseline
    ↘ Import Configuration Data ⬅
    📊 Recast RCT   ▶
    Folder   ▶

↘ Import Configuration Data Wizard   ✕

🖥 **Select Files**

Select Files
Summary
Progress
Confirmation

Specify the files from which to import configuration items and configuration baselines

Import configuration items and configuration baselines from best-practices Configuration Packs and from other configuration data sources.

Files that contain configuration items or configuration baselines:

Filter...   🔍

Name	Date Modified	Size
There are no items to show in this view.		

⬇

[Add...]   [Remove]

☐ Create a new copy of the imported configuration baselines and configuration items

[< Previous] [Next >] [Summary] [Cancel]

Configuration Manager   ✕

⚠ The publisher of CB - ESU - Windows 7 activation.cab file could not be verified. Are you sure that you want to import this file?

➡ [Yes] [No]

Import Configuration Data Wizard ✕

Select Files

- **Select Files**
- Summary
- Progress
- Confirmation

Specify the files from which to import configuration items and configuration baselines

Import configuration items and configuration baselines from best-practices Configuration Packs and from other configuration data sources.

Files that contain configuration items or configuration baselines:

Filter... 🔍

Name	Date Modified	Size
CB - ESU - Windows 7 ac...	09-May-2020 11:38:18 PM	3.21 KB

[Add...] [Remove]

☐ Create a new copy of the imported configuration baselines and configuration items

[< Previous] [**Next >**] [Summary] [Cancel]

Import Configuration Data Wizard ✕

Summary

- Select Files
- **Summary**
- Progress
- Confirmation

Confirm the configuration data to be imported:

The wizard will import the following configuration data.

Details:

- Configuration Baselines (1)
  - CB - ESU - Windows 7 activation
- Configuration Items (1)
  - CI - ESU - Windows 7 status

To change these settings, click Previous. To apply the settings, click Next.

[< Previous] [**Next >**] [Summary] [Cancel]

Import Configuration Data Wizard

Confirmation

Select Files
Summary
Progress
Confirmation

Completing the Import Configuration Data Wizard

You have successfully completed the Import Configuration Data Wizard with the following details.

Details:

- Configuration Baselines (1)
  - ✓ CB - ESU - Windows 7 activation [Success]
- Configuration Items (1)
  - ✓ CI - ESU - Windows 7 status [Success]

To close this wizard, click Close.

< Previous   Next >   Summary   Close

Overview ▸ Compliance Settings ▸ Configuration Baselines ▸

Configuration Baselines 3 items

Search

Icon	Name	Status	Deployed	User Setting	Date Modified
	CB - Check client boundary group	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 Items

Configuration Items 16 items

Search

| Icon	Name	Type	Device Type	Revision	Child	Relationships	User Setting	Date Modified
	Check Client Boundary Groups	Operating System	Windows	1	No	Yes	No	17-Feb-2020 10:3...
	CI - ESU - Server 2008 Status	Operating System	Windows	1	No	Yes	No	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 Windows 7 collection

	CB - ESU - Windows 7 activation
	CB – Office Activation

➡ **Show Members**
🕐 Schedule Summarization
▶ Run Summarization
📄 View Xml Definition
⬆ Enable
⬇ Disable
➡ Export
📋 Copy
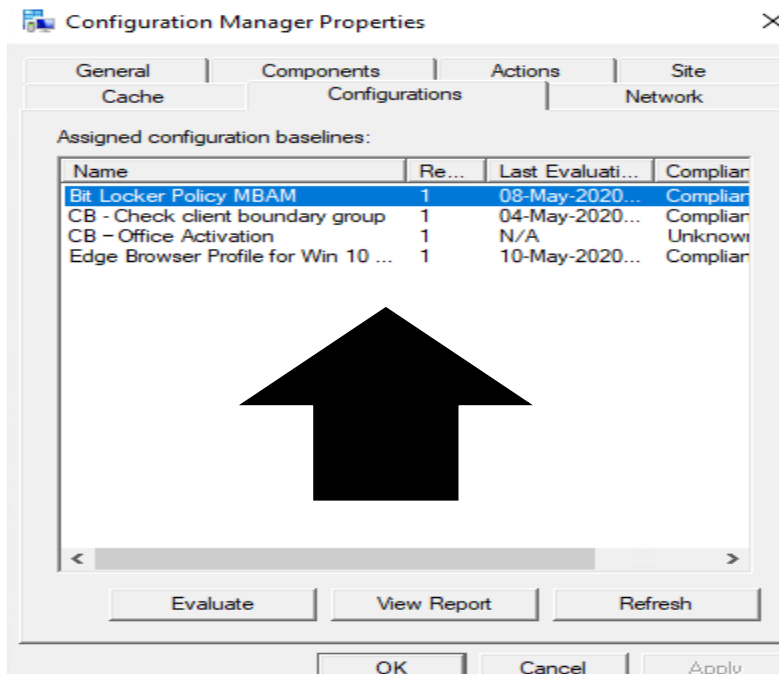🔄 Refresh
❌ Delete
➡ **Deploy**
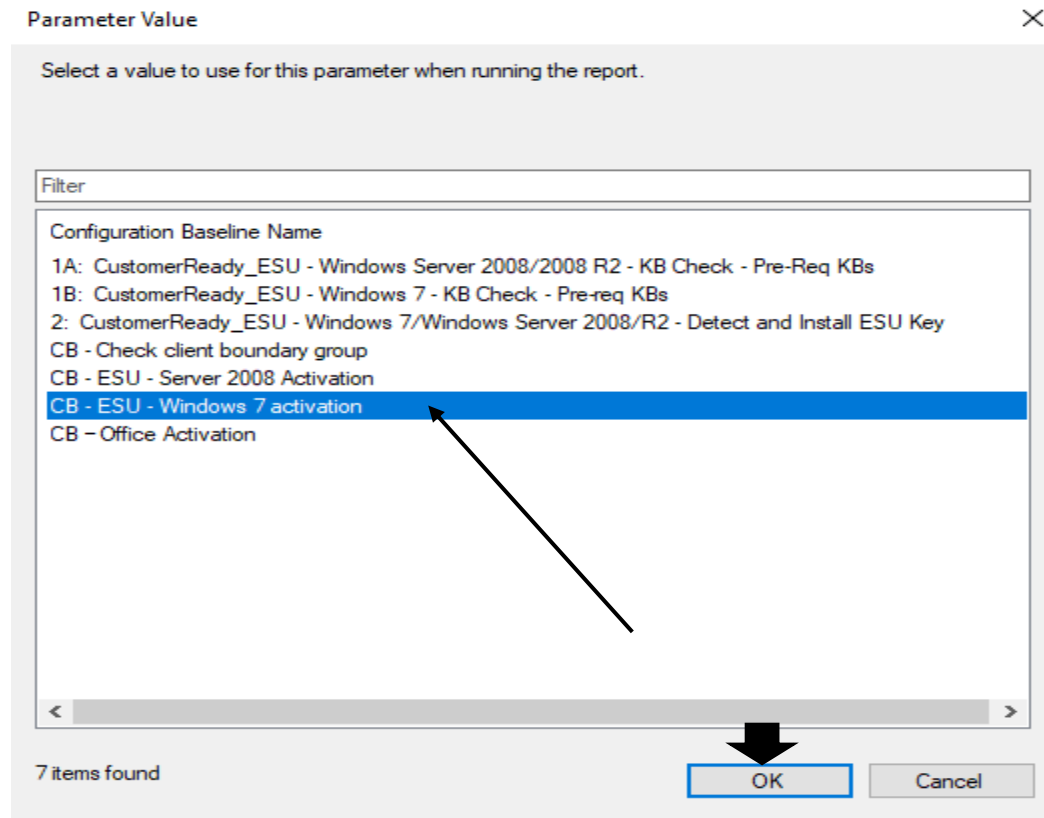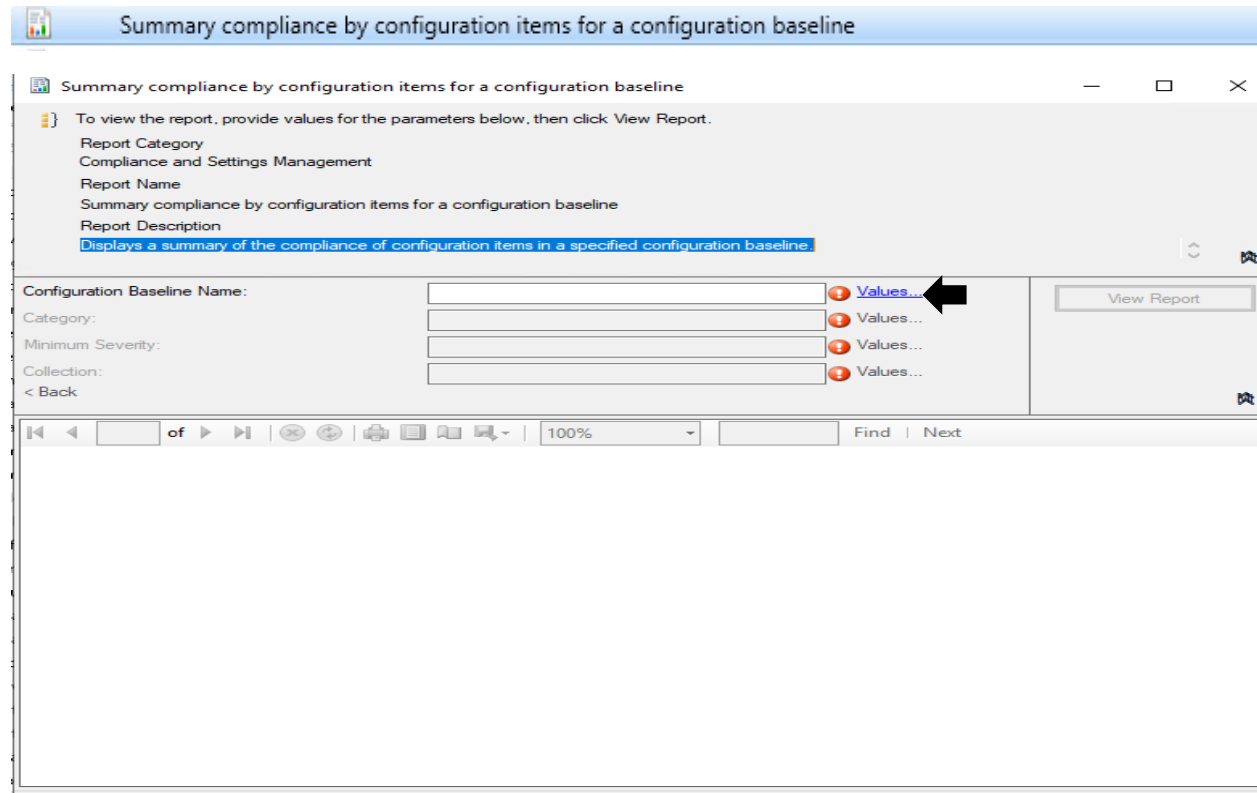
CB - ESU – Windows 7 activation
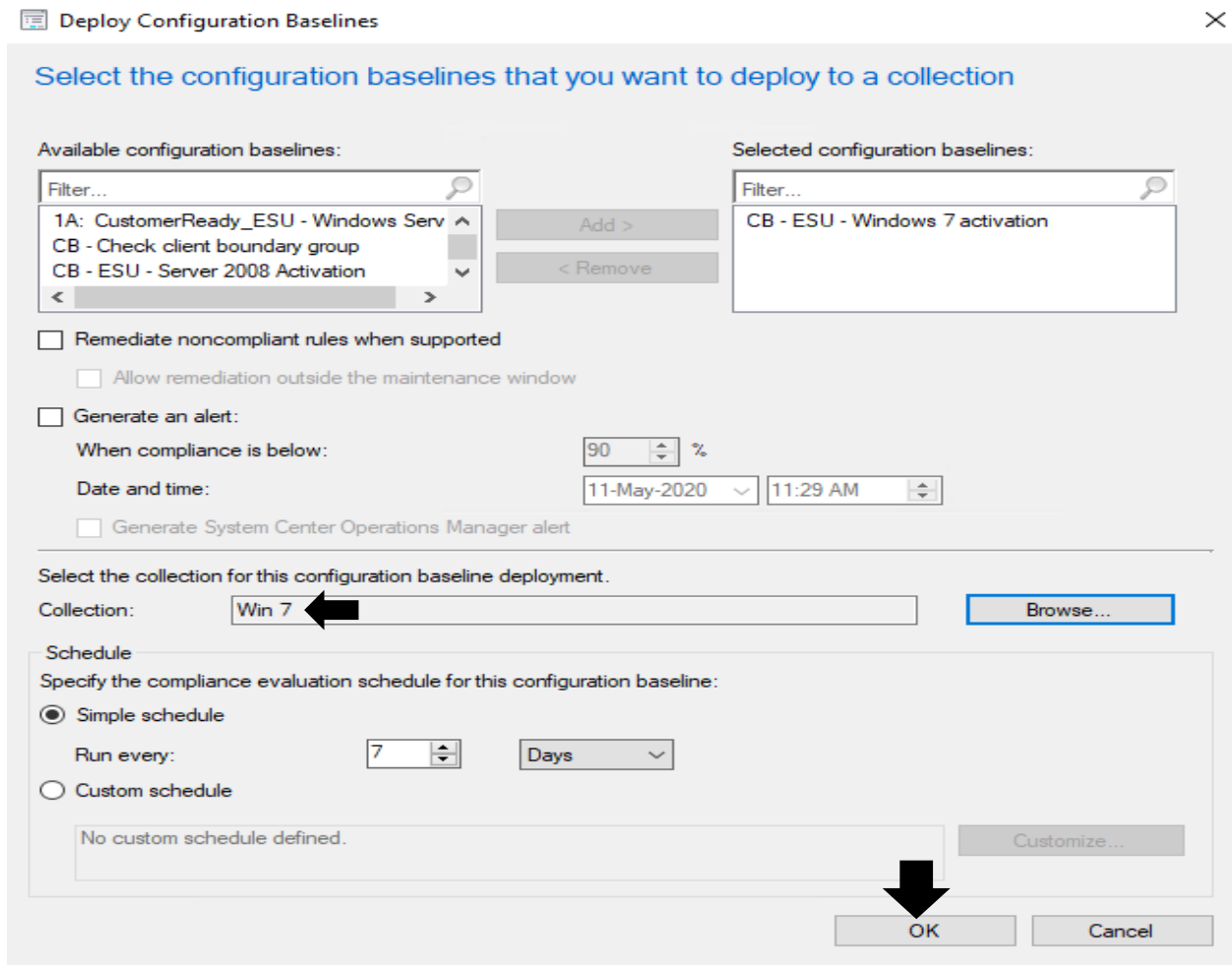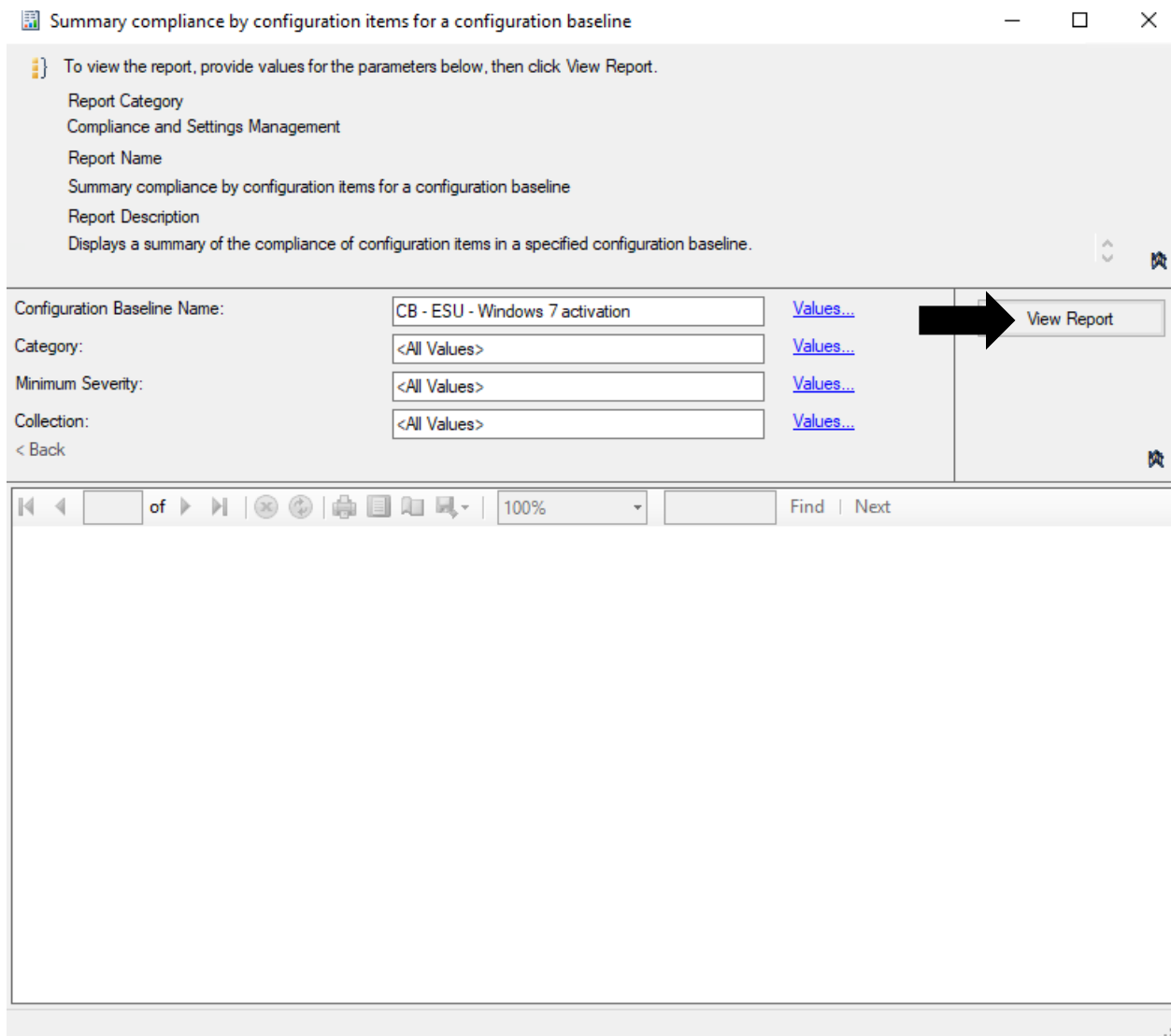
Check CI & CB Status on client workstation

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.

Run Report

From Monitoring – Report – You can run this report

Click View Report to get ESU status

This concludes ESU license reporting status using CI and CB.

Thanks

Ram Lan
11th May 2020