Compliance Settings for ESU Windows 7

Last month, I wrote a short blog on how to install the pre req on Windows 7 machine to prep them for Extended Security Updates install starting from second Tuesday of Feb 2020. Here is link to that document.

http://www.infotechram.com/index.php/2020/01/15/extended-security-updates-win-7-pre-req/

This post will cover deploying compliance baseline and settings, so you can be rest assured all Windows 7 machines are in compliance with company policy.
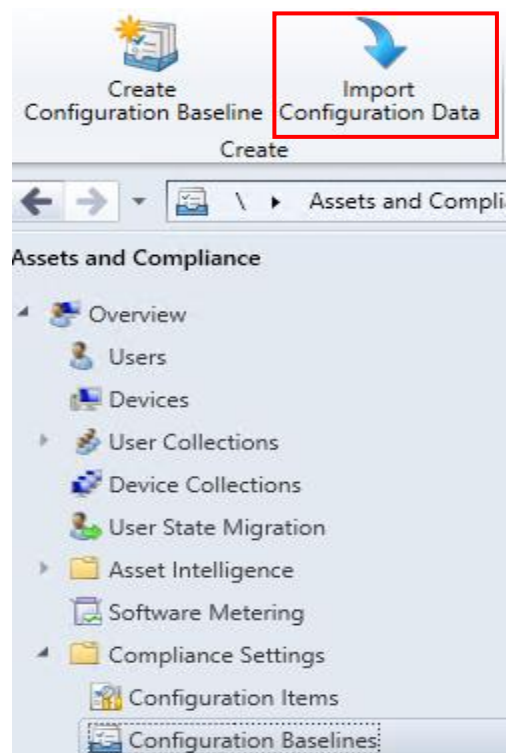
I was able to download the settings baseline from here. Copied the files to the server.

https://techcommunity.microsoft.com/t5/core-infrastructure-and-security/preparing-to-deploy-extended-security-updates/ba-p/1139851

CB › Downloads › ESU Compliance Settings ›

Name	Date modified	Type	Size
ESU_BASELINE_1A.cab	16-Jan-2020 8:24 P...	Cabinet File	7 KB
ESU_BASELINE_1B.cab	16-Jan-2020 8:25 P...	Cabinet File	6 KB
ESU_BASELINE_2.cab	16-Jan-2020 8:38 P...	Cabinet File	6 KB
ESU_CustFacing_Baselines.zip	31-Jan-2020 11:46 ...	Compressed (zipp...	30 KB
ESU_KEY_DETECTION_SCRIPT_Baseline2_v3.ps1.txt	16-Jan-2020 8:37 P...	Text Document	5 KB
ESU_KEY_REMEDIATION_SCRIPT_Baseline2_v3.ps1.txt	16-Jan-2020 8:37 P...	Text Document	8 KB

Open Console - Asset and Compliance – Configuration Baselines – Create a folder ESU for Win 7. Click Import Configuration Data

Import Configuration Data Wizard

Select Files

Select Files	**Specify the files from which to import configuration items and configuration baselines**
Summary	
Progress	
Confirmation	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 ESU_BASELINE_1B.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
ESU_BASELINE_1B.cab	16-Jan-2020 8:25:16 PM	5.10 KB
ESU_BASELINE_2.cab	16-Jan-2020 8:38:52 PM	5.98 KB
ESU_BASELINE_1A.cab	16-Jan-2020 8:24:44 PM	6.33 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 (3)
    ┈ 1B: CustomerReady_ESU - Windows 7 - KB Check - Pre-req KBs
    ┈ 2: CustomerReady_ESU - Windows 7/Windows Server 2008/R2 - Detect and Install ES
    ┈ 1A: CustomerReady_ESU - Windows Server 2008/2008 R2 - KB Check - Pre-Req KBs
⊟ Configuration Items (12)
    ┈ ESU - Win7 - KB check - Multiple Servicing Stack Updates (SSU)
    ┈ ESU - Win7 - KB check - KB4490628 (SSU-SHA2)
    ┈ ESU - Win7 - KB check - Multiple Cumulative Updates
    ┈ ESU - Win7 - KB check - KB4474419 (SHA-2)
    ┈ CustomerReady_ESU - Windows 7/Windows Server 2008/2008R2 -Detect and Install K
    ┈ ESU - WinServer 2008 R2 SP1 - KB check - Multiple Cumulative Updates
    ┈ ESU - WinServer 2008 SP2 - KB check - Multiple Servicing Stack Updates (SSU)
    ┈ ESU - WinServer2008 R2 SP1 - KB check - Multiple Servicing Stack Updates (SSU)
    ┈ ESU - WinServer 2008 SP2 - KB check - KB4493730 (SSU-SHA2)
    ┈ ESU - WinServer 2008 SP2 - KB check - Multiple Cumulative Updates
```

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

[< 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:

```
        2:  CustomerReady_ESU - Windows 7/Windows Server 2008/R2 - Detect and Install ES ▲
        1A:  CustomerReady_ESU - Windows Server 2008/2008 R2 - KB Check - Pre-Req KBs
⊟ Configuration Items (12)
        ESU - Win7 - KB check - Multiple Servicing Stack Updates (SSU)
        ESU - Win7 - KB check - KB4490628 (SSU-SHA2)
        ESU - Win7 - KB check - Multiple Cumulative Updates
        ESU - Win7 - KB check - KB4474419 (SHA-2)
        CustomerReady_ESU - Windows 7/Windows Server 2008/2008R2 -Detect and Install K▸
        ESU - WinServer 2008 R2 SP1 -  KB check - Multiple Cumulative Updates
        ESU - WinServer 2008 SP2 - KB check - Multiple Servicing Stack Updates (SSU)
        ESU - WinServer2008 R2 SP1 - KB check - Multiple Servicing Stack Updates (SSU)
        ESU - WinServer 2008 SP2 - KB check - KB4493730 (SSU-SHA2)
        ESU - WinServer 2008 SP2 -  KB check - Multiple Cumulative Updates
        ESU - WinServer 2008/2008 R2 SP1 - KB check - KB4474419 (SHA2)
        ESU - WinServer2008 R2 SP1 - KB check - KB4490628 (SSU-SHA2)            ▼
```

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 (3)
    ✅ 1B:  CustomerReady_ESU - Windows 7 - KB Check - Pre-req KBs [Success]        ▲
    ✅ 2:  CustomerReady_ESU - Windows 7/Windows Server 2008/R2 - Detect and Instal▸
    ✅ 1A:  CustomerReady_ESU - Windows Server 2008/2008 R2 - KB Check - Pre-Req K▸
⊟ 📋 Configuration Items (12)
    ✅ ESU - Win7 - KB check - Multiple Servicing Stack Updates (SSU) [Success]
    ✅ ESU - Win7 - KB check - KB4490628 (SSU-SHA2) [Success]
    ✅ ESU - Win7 - KB check - Multiple Cumulative Updates [Success]
    ✅ ESU - Win7 - KB check - KB4474419 (SHA-2) [Success]
    ✅ CustomerReady_ESU - Windows 7/Windows Server 2008/2008R2 -Detect and Insta▸
    ✅ ESU - WinServer 2008 R2 SP1 -  KB check - Multiple Cumulative Updates [Success]
    ✅ ESU - WinServer 2008 SP2 - KB check - Multiple Servicing Stack Updates (SSU) [Su▸
    ✅ ESU - WinServer2008 R2 SP1 - KB check - Multiple Servicing Stack Updates (SSU) ▸
    ✅ ESU - WinServer 2008 SP2 - KB check - KB4493730 (SSU-SHA2) [Success]
    ✅ ESU - WinServer 2008 SP2 -  KB check - Multiple Cumulative Updates [Success]    ▼
```

To close this wizard, click Close.

[< Previous]   [Next >]   [Summary]   [Close]

ESU for Win 7 3 items

Search

Icon	Name	Status	Deployed	User Setting	Date Modified	Co
📄	1A: CustomerReady_ESU - Windows Server 2008/2008 R2 - KB Check - Pre-Req KBs	Enabled	No	No	04-Feb-2020 3:36...	0
📄	1B: CustomerReady_ESU - Windows 7 - KB Check - Pre-req KBs	Enabled	No	No	04-Feb-2020 3:36...	0
📄	2: CustomerReady_ESU - Windows 7/Windows Server 2008/R2 - Detect and Install ESU Key	Enabled	No	No	04-Feb-2020 3:36...	0

When you look at Configuration items – we have all the things ready for use. We just have to update ESU key that we obtained from VLSC center.

To update ESU key – Select CustomerReady ESU – right click – properties

Update ESU Key for Windows 7

Do the same for remediation script

Discovery script
Specify the script to find and return the value to be assessed for compliance on client devices. Use the echo command to return the script value to Configuration Manager.

| Edit Script... | Script status: | Windows PowerShell is created |

Remediation script (optional)
Specify the script to remediate noncompliant setting values found on client devices. Configuration Manager passes the noncompliant value to the script as a parameter.

| Edit Script... | Script status: | Windows PowerShell is created |

Update ESU key for Windows 7

Edit Remediation Script ✕

Specify the script to remediate noncompliant setting values found on client devices. Configuration Manager can pass the compliant value to the script as a parameter.

Script language: Windows PowerShell ⌄ | Open... | Clear

Script:

```
$OS = Get-WmiObject Win32_OperatingSystem
   foreach ($ObjItem in $OS){
       $SystemRole = $SystemRole = $ObjItem.ProductType
       Switch ($SystemRole){
           1{$Type = "Desktop"}
           2{$Type = "UNSUPPORTED"}
           3{$Type = "Server"}
       } #End Switch Statement
   } #End foreach loop

If (($OS.version -like '6.0*' -and $Type -eq "Server")){
    #$OSVersion = "Windows2008"
    $ESUActivationID ="553673ed-6ddf-419c-a153-b760283472fd"
    $ESUKEY = "<INSERT-ESU-KEY-HERE>"}

If (($OS.version -like '6.1*' -and $Type -eq "Desktop")){
    #$OSVersion = "Windows7"
    $ESUActivationID ="77db937b-95c3-48d7-a3ab-a9c6d41093e0"
    $ESUKEY="███████████████"}

If (($OS.version -like '6.1*' -and $Type -eq "Server")){
    #$OSVersion = "Windows2008R2"
    $ESUActivationID ="553673ed-6ddf-419c-a153-b760283472fd"
    $ESUKEY="<INSERT-ESU-KEY-HERE>"}


$partialProductKey = $ESUKEY.Substring($ESUKEY.Length - 5)
```
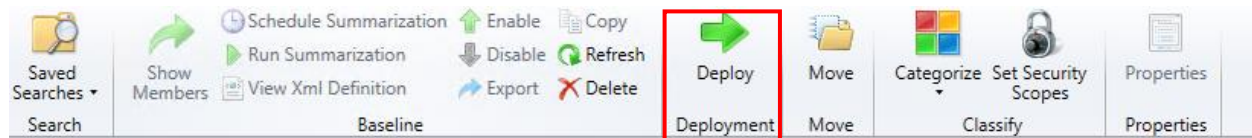
| OK | Cancel |

Now we have the compliance settings ready for use and it can be deployed to Windows 7 collection for compliance check.

Now we are set for ESU.

Thanks

Ram Lan
4th Feb 2020