

# 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.

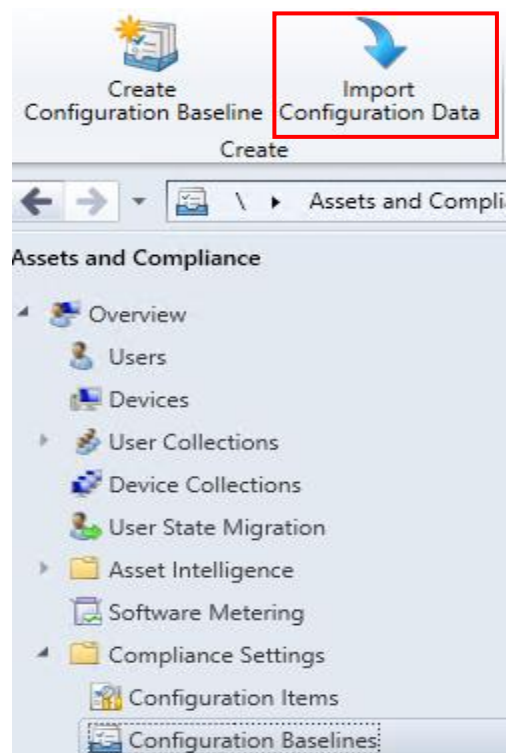
I was able to download the settings baseline from here. Copied the files to the server.

<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





## 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 ESU\_BASELINE\_1B.cab file could not be verified. Are you sure that you want to import this file?



Yes

No



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



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



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 ESU
- 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 ESU
  - 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



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 Install ESU [Success]
  - 1A: CustomerReady\_ESU - Windows Server 2008/2008 R2 - KB Check - Pre-Req KBs [Success]
- 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 Install ESU [Success]
  - ESU - WinServer 2008 R2 SP1 - KB check - Multiple Cumulative Updates [Success]
  - ESU - WinServer 2008 SP2 - KB check - Multiple Servicing Stack Updates (SSU) [Success]
  - ESU - WinServer2008 R2 SP1 - KB check - Multiple Servicing Stack Updates (SSU) [Success]
  - 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	Count	
	1A: CustomerReady_ESU - Windows Server 2008/2008 R2 - KB Check - Pre-Req KBs	Enabled	No	No	04-Feb-2020 3:36...	0	0
	1B: CustomerReady_ESU - Windows 7 - KB Check - Pre-req KBs	Enabled	No	No	04-Feb-2020 3:36...	0	0
	2: CustomerReady_ESU - Windows 7/Windows Server 2008/R2 - Detect and Install ESU Key	Enabled	No	No	04-Feb-2020 3:36...	0	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.

Overview ► Compliance Settings ► Configuration Items

Configuration Items 13 items

Search

Icon	Name	Type	Device Type	Revision
	CustomerReady_ESU - Windows 7/Windows Server 2008/2008R2 -Detect and Install Key	Operating System	Windows	6
	ESU - Win7 - KB check - KB4474419 (SHA-2)	Operating System	Windows	6
	ESU - Win7 - KB check - KB4490628 (SSU-SHA2)	Operating System	Windows	5
	ESU - Win7 - KB check - Multiple Cumulative Updates	Operating System	Windows	4
	ESU - Win7 - KB check - Multiple Servicing Stack Updates (SSU)	Operating System	Windows	8
	ESU - WinServer 2008 R2 SP1 - KB check - Multiple Cumulative Updates	Operating System	Windows	7
	ESU - WinServer 2008 SP2 - KB check - Multiple Cumulative Updates	Operating System	Windows	6
	ESU - WinServer 2008 SP2 - KB check - KB4493730 (SSU-SHA2)	Operating System	Windows	4
	ESU - WinServer 2008 SP2 - KB check - Multiple Servicing Stack Updates (SSU)	Operating System	Windows	7
	ESU - WinServer 2008/2008 R2 SP1 - KB check - KB4474419 (SHA2)	Operating System	Windows	7
	ESU - WinServer2008 R2 SP1 - KB check - KB4490628 (SSU-SHA2)	Operating System	Windows	5
	ESU - WinServer2008 R2 SP1 - KB check - Multiple Servicing Stack Updates (SSU)	Operating System	Windows	10

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

CustomerReady\_ESU - Windows 7/Windows Server 2008/2008R2 -Detect and Install Key Properties

General Supported Platforms Settings Compliance Rules Relationships Security

Use settings to represent business or technical conditions to assess for compliance on client devices. The following settings are associated with this configuration item.

Filter...

Name	Setting Type	Inherited	User Setting
Win7/2008/2008R2 ESU - Detect an...	Script	No	No

New... Edit... Delete

OK Cancel Apply

Win7/2008/2008R2 ESU - Detect and Remediate Properties

General Compliance Rules

Specify details about this setting that represents a business or technical condition to assess for compliance on client devices.

Name: Win7/2008/2008R2 ESU - Detect and Remediate

Description: Before deploying, iin detection/remediation scripts, replace <INSERT-ESU-KEY-HERE> with the proper ESU key for your org.

Setting type: Script

Data type: String

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

☐ Run scripts by using the logged on user credentials

☒ Run scripts by using the 32-bit scripting host on 64-bit devices

OK Cancel Apply

## Update ESU Key for Windows 7

Edit 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.

Script language: Windows PowerShell Open... Clear

Script:

```
# Get OS & role information, then set activationid based on the detected OS.
$OS = Get-WmiObject Win32_OperatingSystem
foreach ($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 ="77db037b-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>"
}

#1) Verify the ESU Product key Installation
$partialProductKey = $ESUKEY.Substring($ESUKEY.Length - 5)
```

OK Cancel

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.

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.

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:

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

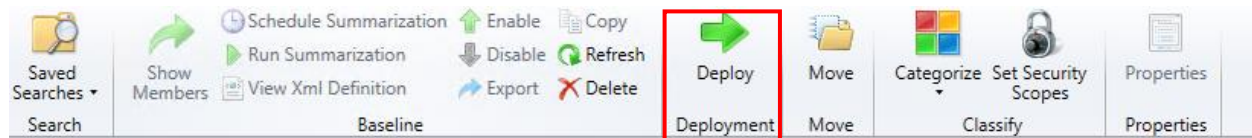
If (($OS.version -like '6.0*' -and $Type -eq "Server")){
    #OSVersion = "Windows2008"
    $ESUActivationID = "553673ed-6ddf-419c-a153-b760283472fd"
    $ESUKEY = "<INSERT-ESU-KEY-HERE>"

If (($OS.version -like '6.1*' -and $Type -eq "Desktop")){
    #OSVersion = "Windows 7"
    $ESUActivationID = "77db437b-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)
```

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



ice > Overview > Compliance Settings > Configuration Baselines > ESU for Win 7

< ESU for Win 7 3 items

Search

Icon	Name	Status	Deployed	User Setting
	1A: CustomerReady_ESU - Windows Server 2008/2008 R2 - KB Check - Pre-Req KBs	Enabled	No	No
	1B: CustomerReady_ESU - Windows 7 - KB Check - Pre-req KBs	Enabled	No	No
	2: CustomerReady_ESU - Windows 7/Windows Server 2008/R2 - Detect and Install ESU Key	Enabled	No	No

### Deploy Configuration Baselines

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

Available configuration baselines:

Filter...

CB - Office Activation

Add >

< Remove

Selected configuration baselines:

Filter...

1B: CustomerReady\_ESU - Windows 7 - K...

2: CustomerReady\_ESU - Windows 7/Wi...

1A: CustomerReady\_ESU - Windows Serv...

☐ Remediate noncompliant rules when supported

☐ Allow remediation outside the maintenance window

☐ Generate an alert:

When compliance is below:

90 %

Date and time:

04-Feb-2020

4:14 PM

☐ Generate System Center Operations Manager alert

Select the collection for this configuration baseline deployment.

Collection:

Win 7

Browse...

Schedule

Specify the compliance evaluation schedule for this configuration baseline:

☒ Simple schedule

Run every:

7

Days

☐ Custom schedule

No custom schedule defined.

Customize...

OK

Cancel

Now we are set for ESU.

Thanks

Ram Lan

4<sup>th</sup> Feb 2020