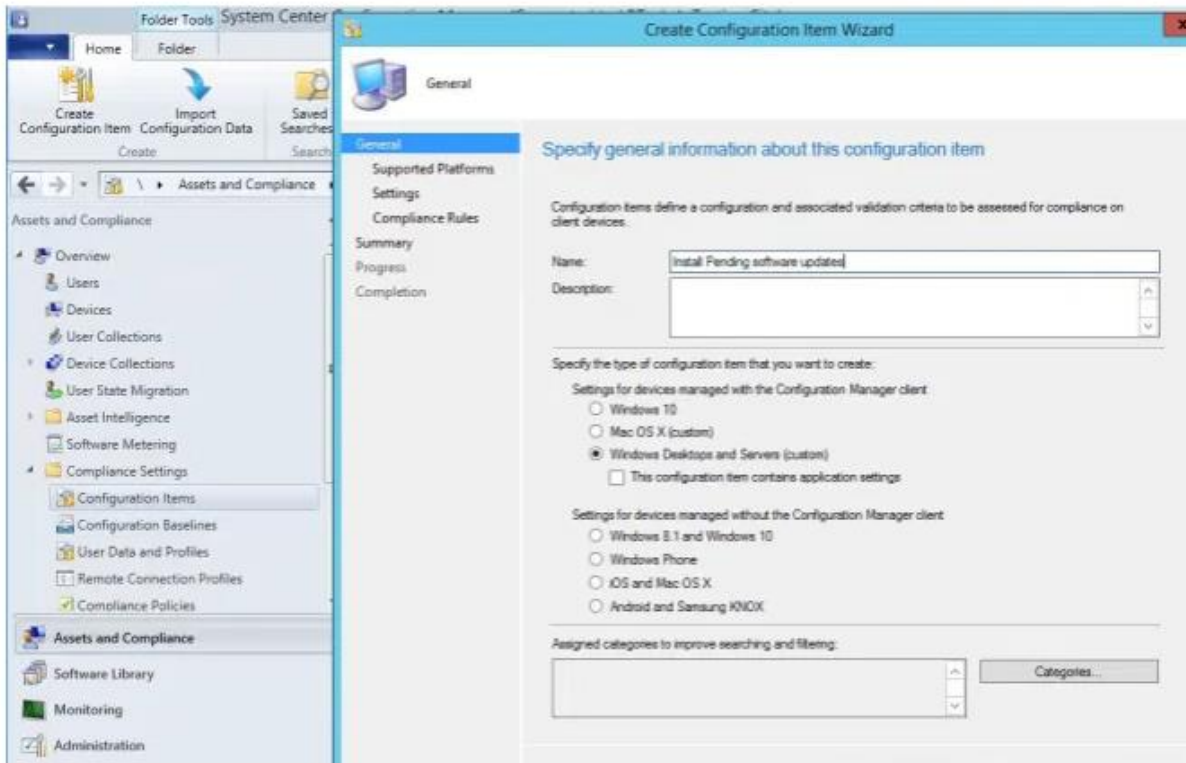
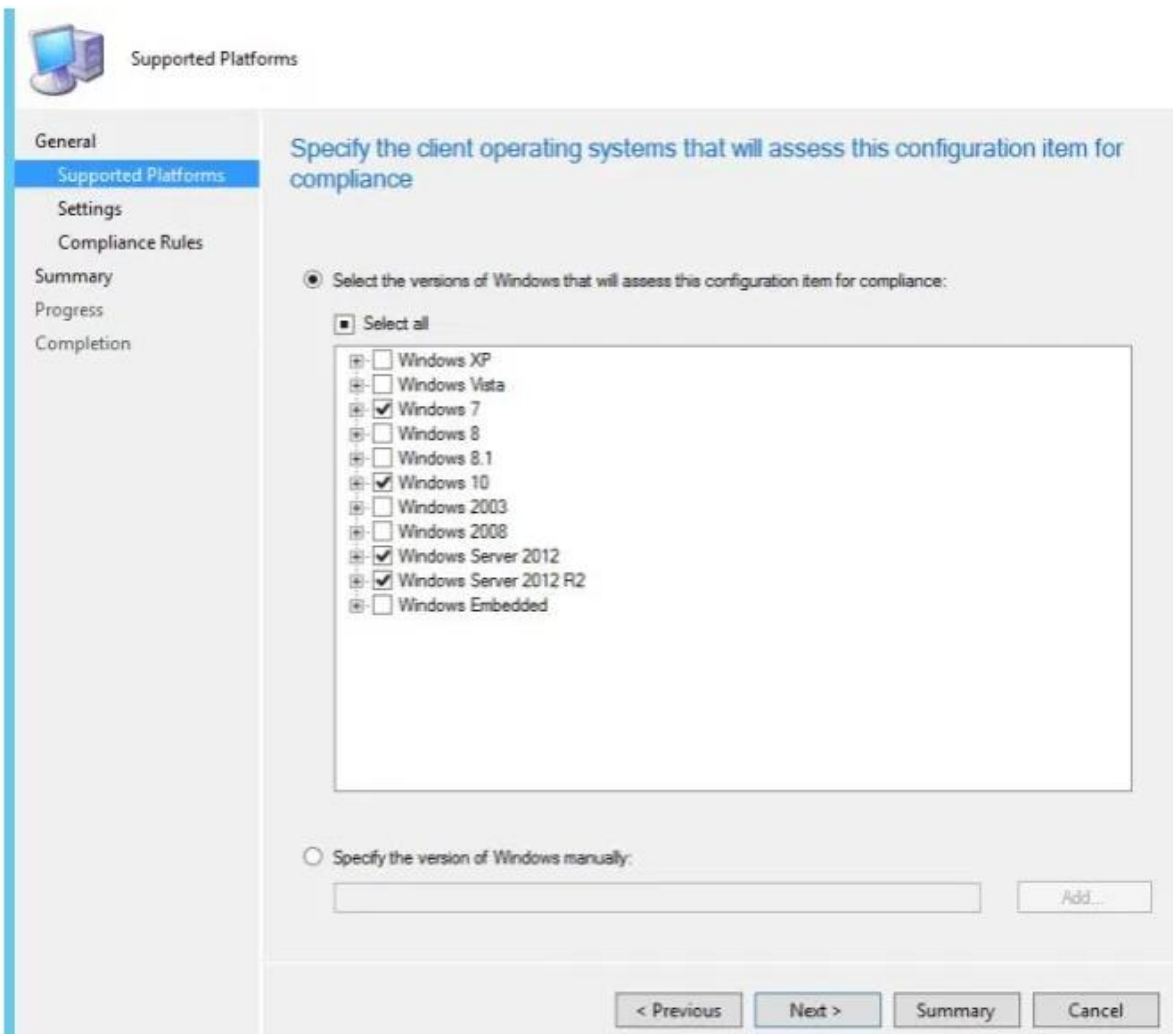


Create configuration Item.

Open SCCM console → Asset and compliance → Compliance settings→ right click on Configuration items and Create New configuration Item.



Click Next and add supported platforms as per your requirements.



The screenshot shows a software interface for configuring supported platforms. On the left is a vertical navigation pane with the following items: General, Supported Platforms (highlighted in blue), Settings, Compliance Rules, Summary, Progress, and Completion. The main area is titled 'Supported Platforms' and contains the instruction: 'Specify the client operating systems that will assess this configuration item for compliance'. There are two radio buttons for selection: 'Select the versions of Windows that will assess this configuration item for compliance:' (which is selected) and 'Specify the version of Windows manually:'. Under the first option, there is a 'Select all' checkbox and a list of Windows operating systems, each with a small icon and a checkbox. The selected options are Windows 7, Windows 10, Windows Server 2012, Windows Server 2012 R2, and Windows Embedded. Below the list is an empty text box and an 'Add...' button. At the bottom right are four buttons: '< Previous', 'Next >', 'Summary', and 'Cancel'.

Supported Platforms

General
Supported Platforms
Settings
Compliance Rules
Summary
Progress
Completion

Specify the client operating systems that will assess this configuration item for compliance

☒ Select the versions of Windows that will assess this configuration item for compliance:

☒ Select all

- ☐ Windows XP
- ☐ Windows Vista
- ☒ Windows 7
- ☐ Windows 8
- ☐ Windows 8.1
- ☒ Windows 10
- ☐ Windows 2003
- ☐ Windows 2008
- ☒ Windows Server 2012
- ☒ Windows Server 2012 R2
- ☐ Windows Embedded

☐ Specify the version of Windows manually:

Click Next → on settings page click on new to define a new setting.

Settings

General
Supported Platforms
Settings
Compliance Rules
Summary
Progress
Completion

Specify settings for this operating system

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
There are no items to show in this view.			

New... Edit... Delete

< Previous Next > Summary Cancel

Create Setting

General | **Compliance Rules**

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

Name:

Description:

Setting type:

Data type:

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: No script specified.

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: No script specified.

☐ Run scripts by using the logged on user credentials

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

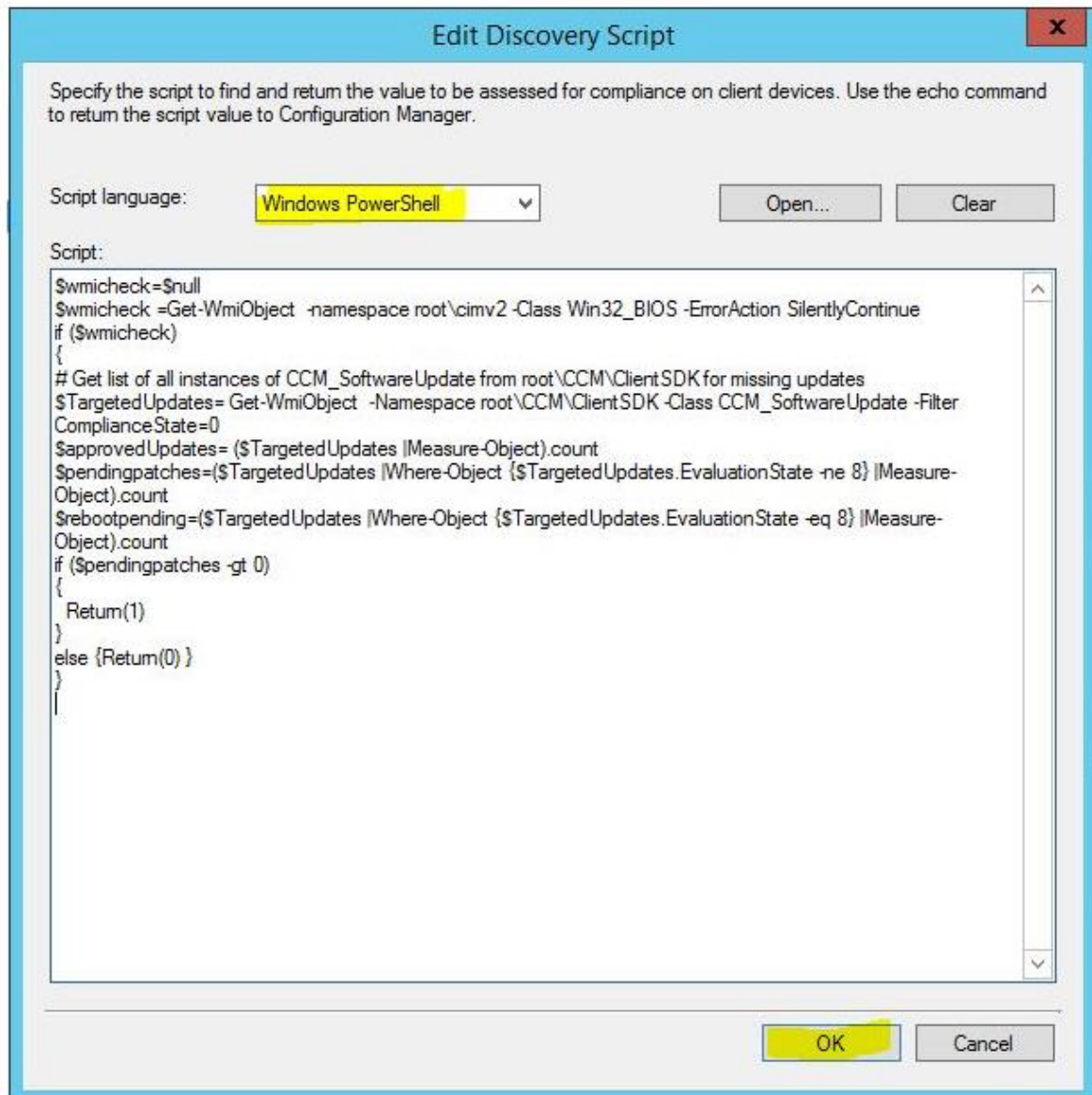
OK Cancel Apply

< Previous Next > Summary Cancel

Now Add Discovery script and remediation script.

The technique behind this baseline is, Discovery script is going to provide return code 1 if there are any pending updates. Remediation script will remediate if Discovery script returns 1.

First add Discovery script as shown below.



Click on Compliance rules and define new rule to fetch return code of the discovery script and remediate through remediation script according to the return code defined in the compliance rule.

Ok, let's define the compliance rule.

Edit Rule

X

Specify rules to define compliance conditions for this setting

Name:

Check Return Code

Description:

^

v

Selected setting:

FJ-InstallPending software updates \ Check M

Browse...

Properties...

Rule type:

Value

v

The setting must comply with the following rule:

The value returned by the specified script:

Equals

v

the following values:

0

☒ Run the specified remediation script when this setting is noncompliant

☐ Report noncompliance if this setting instance is not found

Noncompliance severity for reports:

None

v

OK

Cancel

Add remediation script.

Create Configuration Item Wizard

Create Setting

General Compliance Rules

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

Name: Check pending updates

Description:

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)

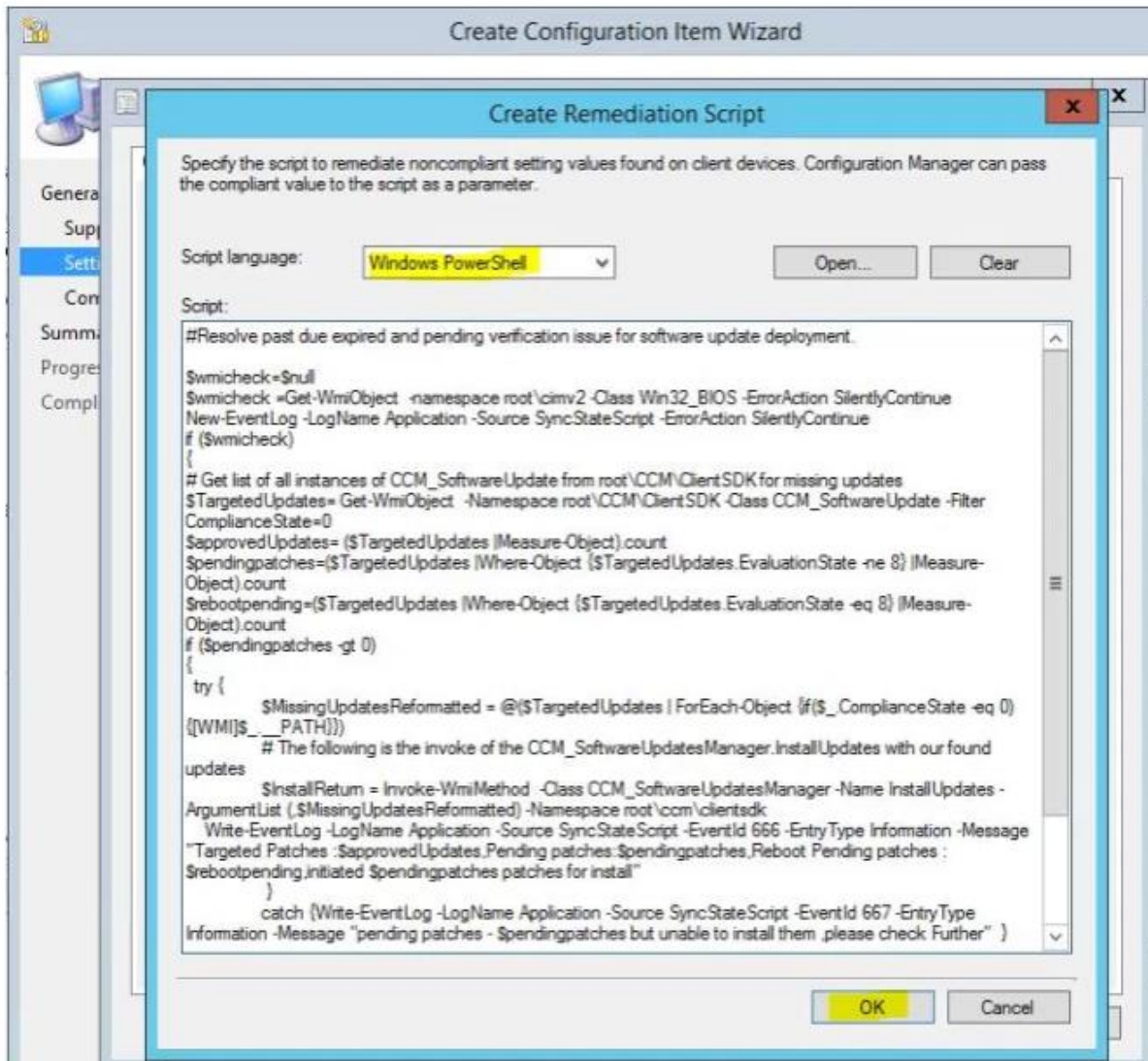
Specify the script to remediate noncompliant setting values found on client devices. Configuration Manager passes the noncompliant value to the script as a parameter.

Add Script... Script status: No script specified.

☐ 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



Click Ok and Then Next to finish the wizard.

Now Create a Configuration baseline and add the already created configuration item to it.

Assets and Compliance > Overview > Compliance Settings > Configuration Baselines

Configuration Baselines: 1 items

Icon	Name	Status	Deployed	User Setting	Date Modified	Compliance Count	Noncompliance Count	Failure Count	Modified By
	F3-SoftwareUpdateCom...	Enabled	No	No	7/1/2017 3:08 PM	0	0	0	MYLAB/S&...

F3-SoftwareUpdateComplianceCheck

General

Configuration Baseline: No
 Date Modified: 7/1/2017 3:08 PM
 Modified By: MYLAB/S&...
 Description: Remediate non-compliance systems

Compliance Statistics

Compliance Count: 0
 Noncompliance Count: 0
 Failure Count: 0


Configuration Baseline Status

Deployed: No
 Status: Succeeded

Summary | Deployments

Create Configuration Baseline

Specify general information about this configuration baseline

 Name:

Description:

Select the configuration data (configuration items, configuration baselines, and software updates) to be evaluated for compliance by this configuration baseline. This configuration baseline will be assessed as compliant if all the items specified are compliant. Optional items are evaluated only if the relevant application is present on the client devices.

Configuration data:

Filter...

Name	Type	Purpose	Revision
There are no items to show in this view.			

Add | Change Purpose | Change Revision | Remove

Configuration Items
 Software Updates
 Configuration Baselines

Linking and filtering:

Categories...

OK Cancel

Add Configuration Items

Select the configuration items that you want to add to this configuration baseline

Available configuration items:

Filter...

Name	Type	Latest Revision	Description	Status
FJ-SoftwareUpdate Compliance check	Operating System	Revision 5		Enab
Refresh compliance state	Operating System	Revision 1		Enab

< ||| >

AddRemove

Configuration items that will be added to this configuration baseline:

Filter...

Name	Type	Latest Revision	Description	Status
Install Pending software updates	Operating System	Revision 1		Enabled

< ||| >

OKCancel

Now click ok and complete baseline creation.

Right click on created baseline and select deploy.

Configuration Baselines 2 items

Search

Icon	Name	Status	Deployed	User Setting	Date Modified	Compliance Count
	Install Pending Software updates	Enabled	No	No	7/2/2017 11:27 PM	0
	Refresh Compliance update state				3:23 PM	0

Install Pending Software updates

Icon Collection

Action

Items found.

Show Members
 Schedule Summarization
 Run Summarization
 View Xml Definition
 Enable
 Disable
 Export
 Copy
 Refresh F5
 Delete
 Deploy
 Move
 Categorize
 Set Security Scopes
 Properties

Overview > Compliance Settings > Configuration Baselines

Configuration Baselines 2 items

Search

Icon	Name	Status	Deployed	User Setting	Date Modified	Compliance Count	Noncompliance Count	Failure Count	Modified By
	Install Pending Software updates	Enabled	Yes	No	7/2/2017 11:27 PM	0	0	0	MYLAB\vikas
	Refresh Compliance update state	Enabled	Yes	No	7/1/2017 3:23 PM	0	0	0	MYLAB\Bikas

Install Pending Software updates

Icon	Collection	Compliance %	Deployment Start Time	Action
	Test Machines	0.0	7/2/2017 11:32 PM	Remediate

Now your baseline has been deployed. You will surely get the patching compliance after few hours based on machine availability.

You can also trigger the remediation script directly on the impacted machine or create a package/ script and deploy to the target collection.