

Microsoft System Center 2012

Configuration Manager RTM

Settings Management Document

Mar.18 2012



1. Deploy Environment Introduction :

This operations process including four servers.

1. DC :

Role : ADDS + ADCS

OS : Windows Server 2008 R2 Enterprise Edition with SP1

IE : IE 9.0

IP : 192.168.0.100/24

DNS: 192.168.0.100

2. DB :

Role : Domain Member and SC2012 ConfigMgr RTM Database

OS : Windows Server 2008 R2 Enterprise Edition with SP1

IE : IE 9.0

IP : 192.168.0.101/24

DNS : 192.168.0.100

3. ConfigMgr2012 :

Role : SC2012 ConfigMgr RTM

OS : Windows Server 2008 R2 Enterprise Edition with SP1

IE : IE 9.0

IP : 192.168.0.102/24

DNS : 192.168.0.100

4. Client :

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Role : Domain Member and SC2012 ConfigMgr RTM Client

OS : Windows 7 Enterprise Edition with SP1 x64

IE : IE 9.0

IP : 192.168.0.200/24

DNS : 192.168.0.100

2. Deploy Active Directory :

1) Logon to **DC** server , installing **ADDS** and **ADCS** . Domain name is **Contoso.msft** . Active Directory forest functional level is **Windows Server 2008 R2**.

This process is no longer described in this part.

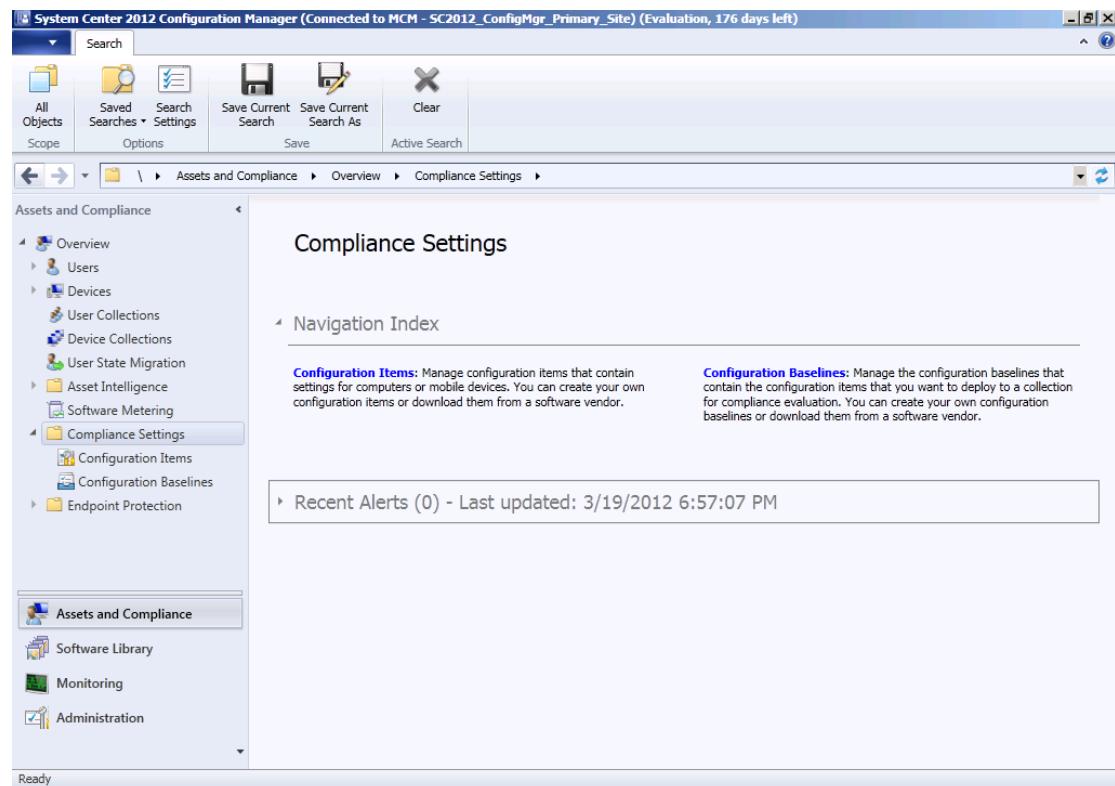
3. Deploy and Configure SC2012 ConfigMgr RTM :

- 1) This process is no longer described in this part. You can reference **«System Center 2012 Configuration Manager RTM Deployment Document»**.
- 2) Default as you have already deployed and no any error.
- 3) SC2012 ConfigMgr RTM need to configuration , about this part , you can reference **« System Center 2012 Configuration Manager RTM Configure Document»**

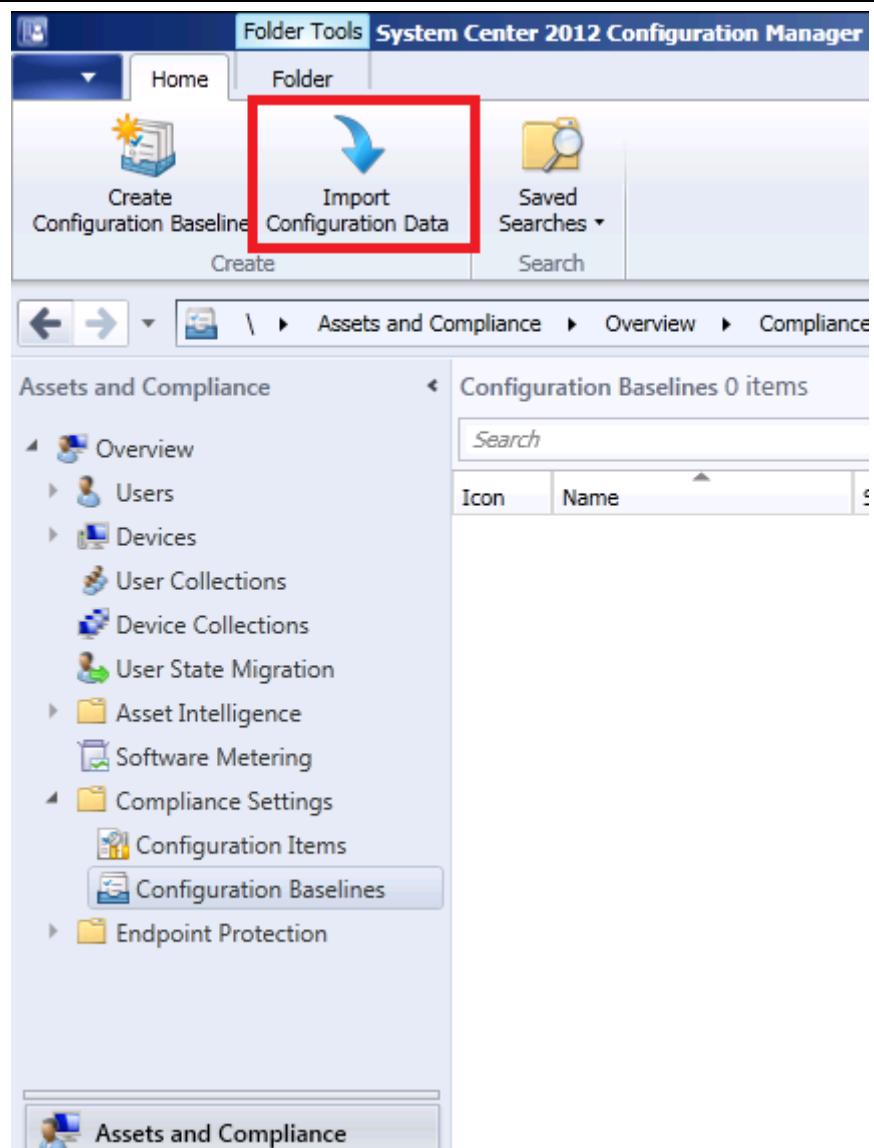
4. Import Configuration Manager 2007

Configuration Packs :

- 1) Logon to **ConfigMgr2012** server , on the **Start** menu , point to **All Programs** , click **Configuration Manager Console** shortcut , into **Assets and Compliance** workspace , expand **Compliance Settings** :

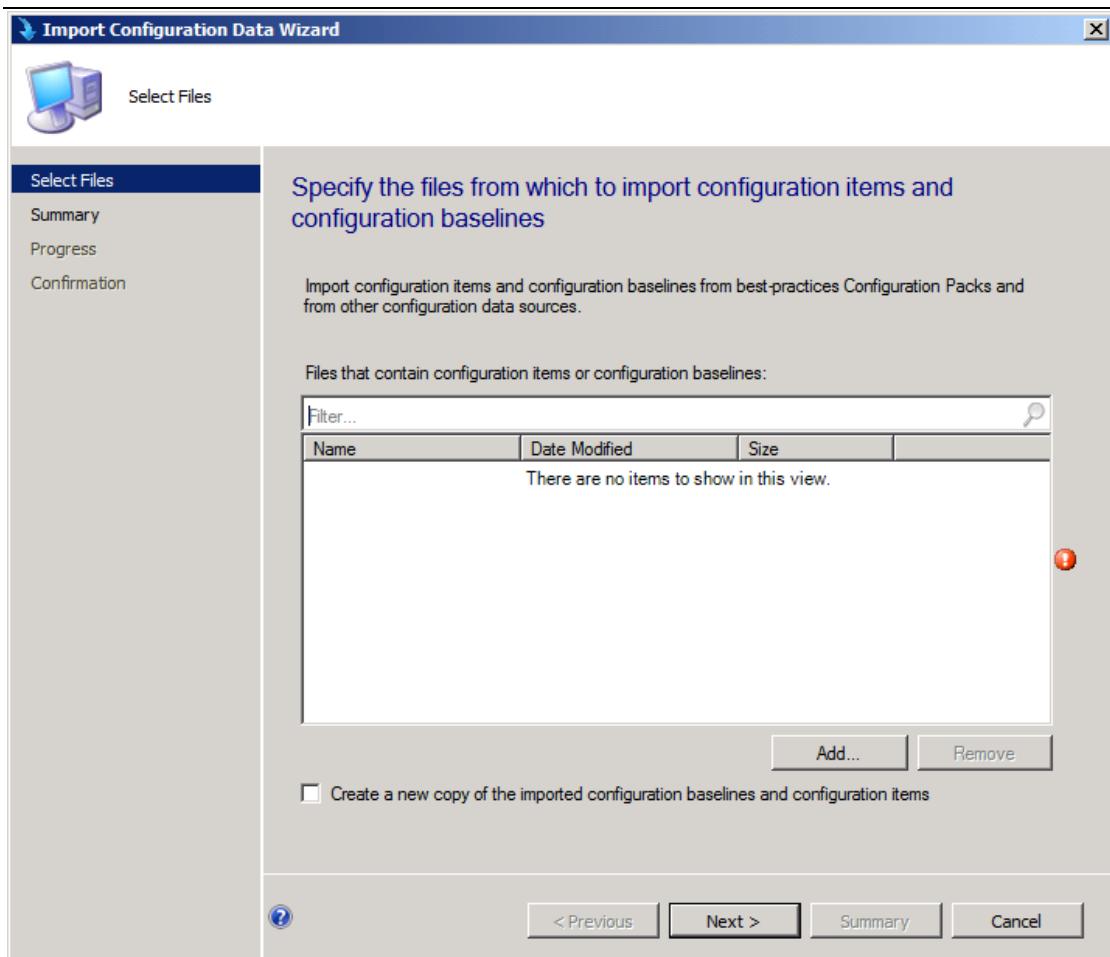


- 2) Point to **Configuration Baselines** , on the **Ribbon** zone , click **Import Configuration Data** :



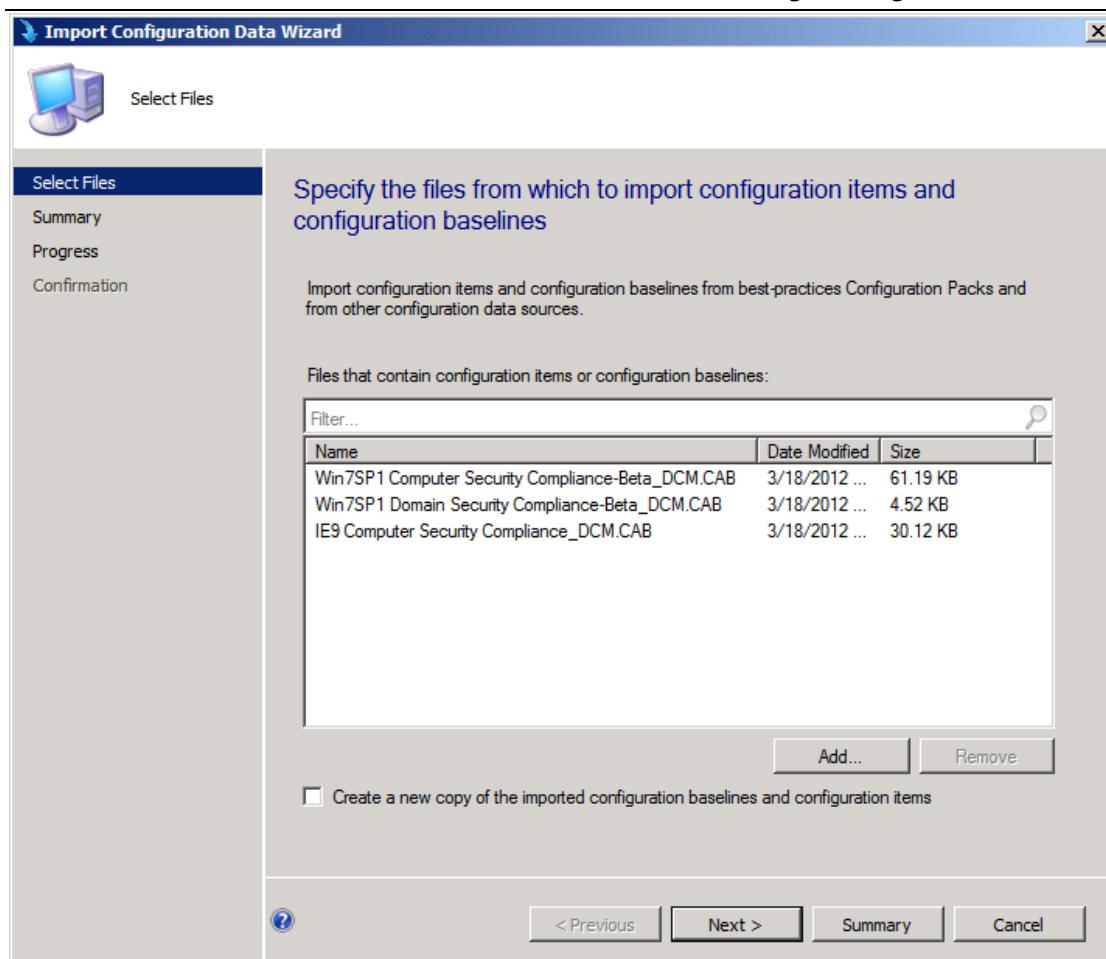
- 3) The **Import Configuration Data Wizard Select Files** dialog box appears allowing you to add data to be imported :

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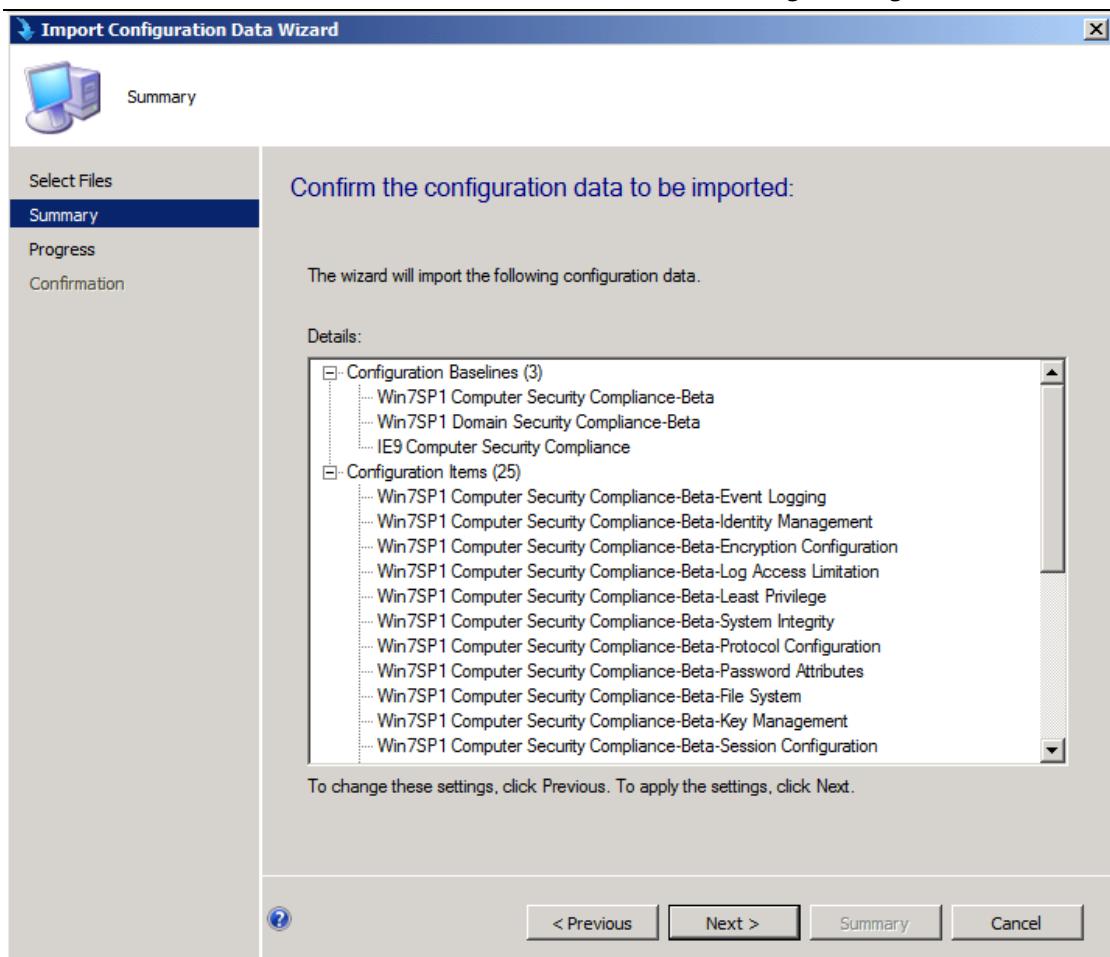
- 4) Click **Add...** , specify the configuration pack path and click **Open** , the Configuration Packs will be imported :

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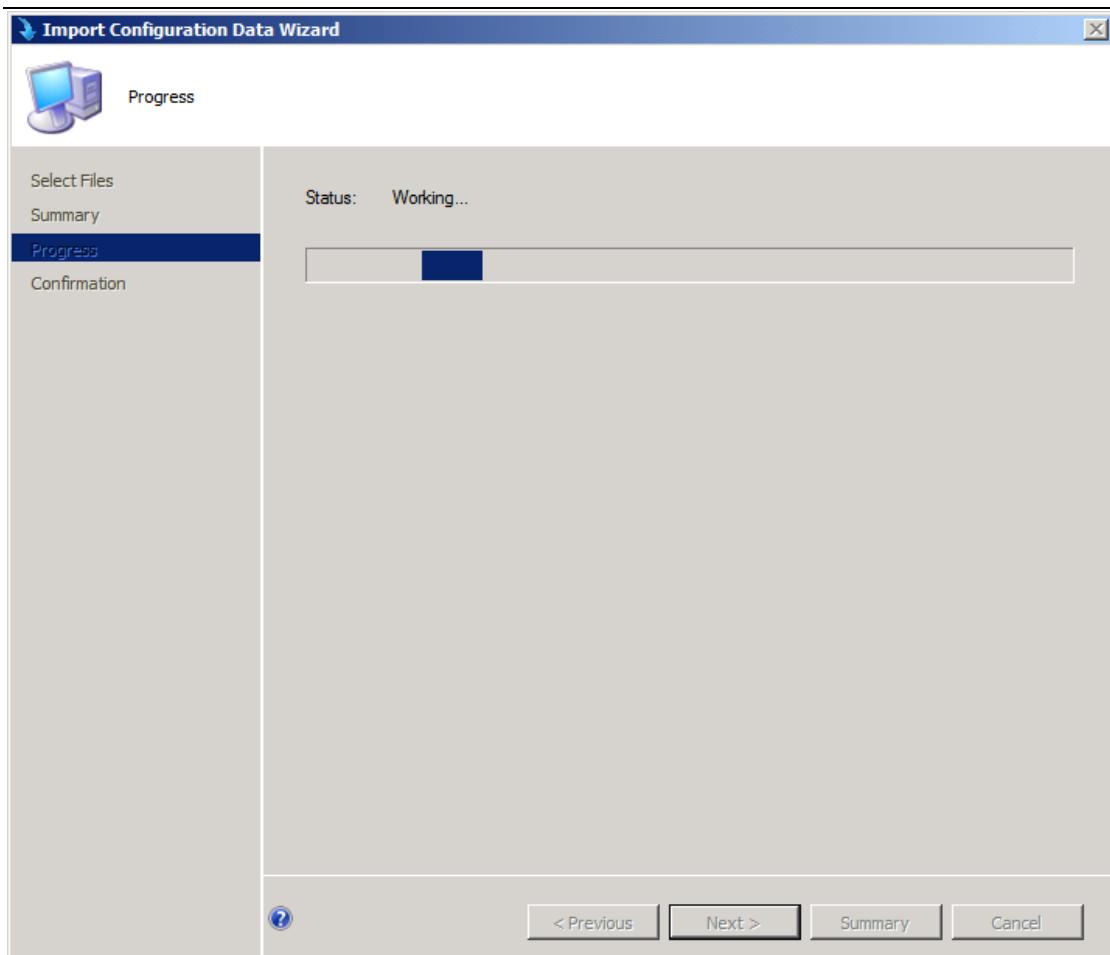
5) Click **Next** , into **Summary** page :

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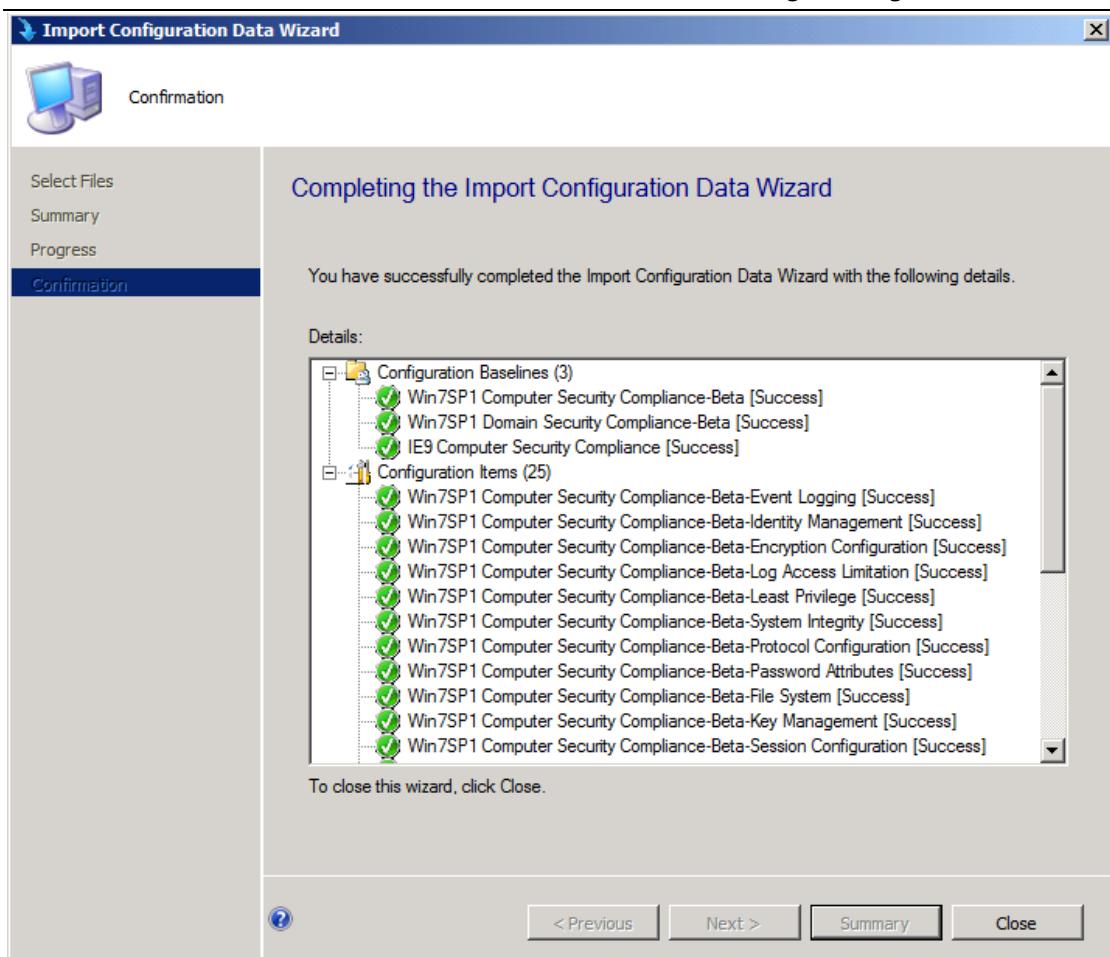
- 6) Click **Next** , into **Progress** page , the configuration data is imported into the Configuration Manager 2012 site database. This process takes a moment to complete :

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7) When complete , the **Import Configuration Data Wizard** Confirmation dialog box appears indicating that the import was successful . Notice the white checks in green circles to indicate successful import on the individual items imported :

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8) Click **Close**. The list of configuration baselines appears in the results pane :

The screenshot shows the 'System Center 2012 Configuration Manager' interface. The top navigation bar includes 'Home', 'Tools', and 'System Center 2012 Configuration Manager (Connected to MCM - SC2012_ConfigMgr_Primary_Site) (Evaluation, 176 days left)'. The ribbon tabs are 'Assets and Compliance', 'Overview', 'Compliance Settings', and 'Configuration Baselines'. The left sidebar shows a tree view of 'Assets and Compliance' categories: Overview, Users, Devices, User Collections, Device Collections, User State Migration, Asset Intelligence, Software Metering, Compliance Settings (with 'Configuration Items' and 'Configuration Baselines' selected), and Endpoint Protection. The main pane displays a table titled 'Configuration Baselines 3 items':

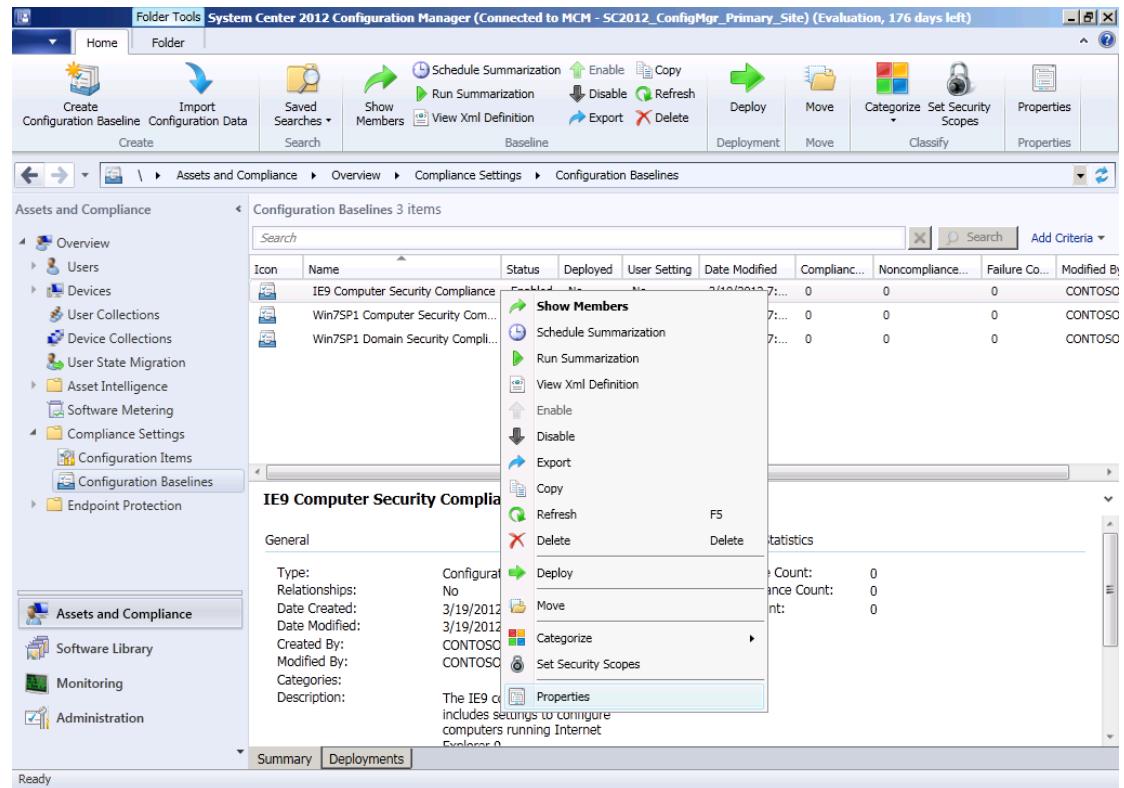
Icon	Name	Status	Deployed	User Setting	Date Modified	Compliance...	Noncompliance...	Failure Co...	Modified By
IE9 Computer Security Compliance	Enabled	No	No	3/19/2012 7:...	0	0	0	0	CONTOSO
Win7SP1 Computer Security Com...	Enabled	No	No	3/19/2012 7:...	0	0	0	0	CONTOSO
Win7SP1 Domain Security Compli...	Enabled	No	No	3/19/2012 7:...	0	0	0	0	CONTOSO

9) Right-click **IE9 Computer Security Compliance** configuration baseline ,

Justin Gao 高扬
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http://blogs.technet.com/b/justin_gao

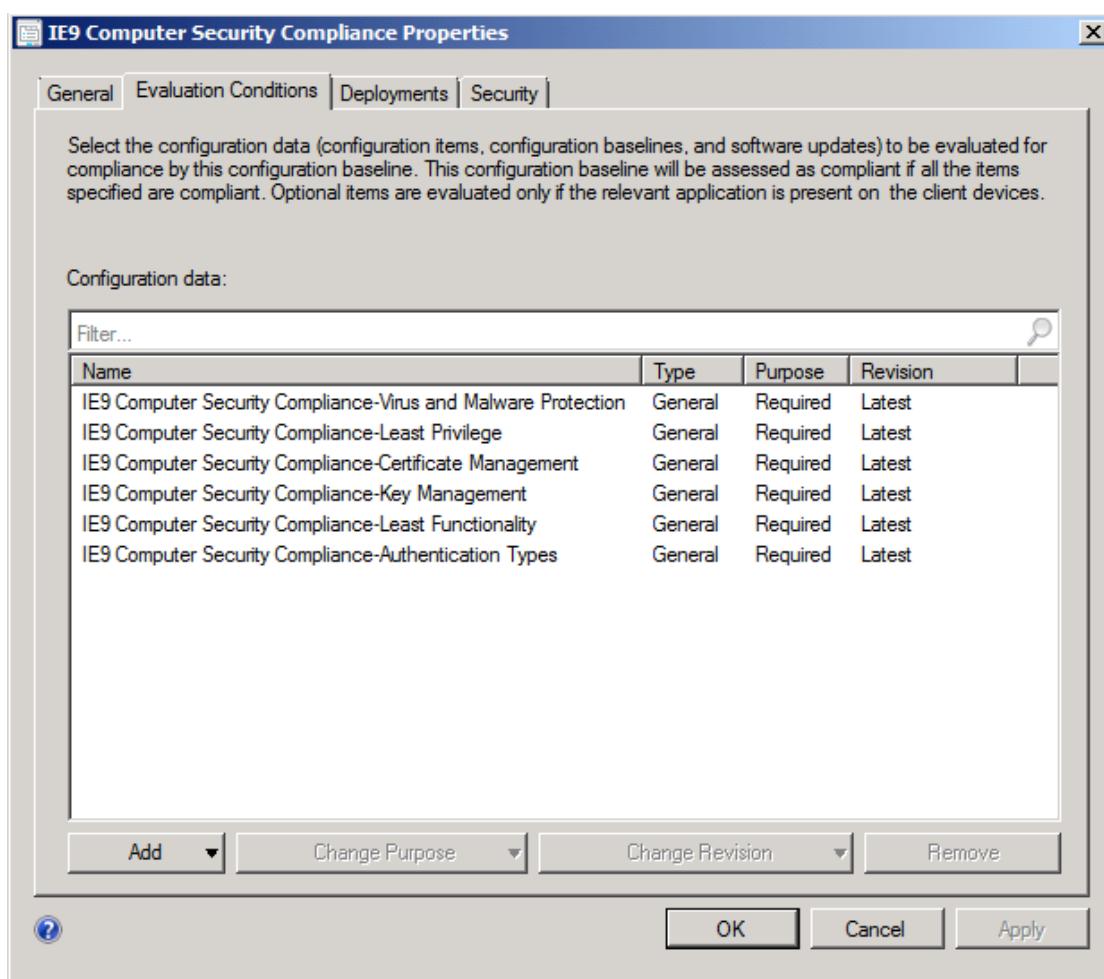
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click **Properties** :



10) The **IE9 Computer Security Compliance Properties** will opened , click **Evaluation Conditions** tab , this dialog box appears displaying the configuration items included in the configuration baseline :

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11) Also notice that you cannot modify or configure any of the properties of the baseline , although you can add or remove configuration items to be evaluated by this baseline . If the import process had been configured to allow editing of the imported data , you would have been able to do so , however the default configuration is to import data in a read-only format . Click **OK** will close this properties and click **Configuration Items** :

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The screenshot shows the System Center 2012 Configuration Manager interface. The title bar reads "System Center 2012 Configuration Manager (Connected to MCM - SC2012_ConfigMgr_Primary_Site) (Evaluation, 176 days left)". The main window displays a list of "Configuration Items 25 items". The left navigation pane shows categories like Overview, Users, Devices, etc., with "Compliance Settings" expanded, showing "Configuration Items" and "Configuration Baselines". The right pane shows a detailed view of a selected item, "IE9 Computer Security Compliance-Authentication Types".

Icon	Name	Type	Device Type	Revision	Child	Relation
[Icon]	IE9 Computer Security Compliance-Authentication Types	General	Windows	1,000	No	Yes
[Icon]	IE9 Computer Security Compliance-Certificate Management	General	Windows	1,000	No	Yes
[Icon]	IE9 Computer Security Compliance-Key Management	General	Windows	1,000	No	Yes
[Icon]	IE9 Computer Security Compliance-Least Functionality	General	Windows	1,000	No	Yes
[Icon]	IE9 Computer Security Compliance-Least Privilege	General	Windows	1,000	No	Yes
[Icon]	IE9 Computer Security Compliance-Virus and Malware Protection	General	Windows	1,000	No	Yes
[Icon]	Win7SP1 Computer Security Compliance-Beta-Authentication Types	Operating System	Windows	1,000	No	Yes
[Icon]	Win7SP1 Computer Security Compliance-Beta-Encryption Configuration	Operating System	Windows	1,000	No	Yes
[Icon]	Win7SP1 Computer Security Compliance-Beta-Event Logging	Operating System	Windows	1,000	No	Yes
[Icon]	Win7SP1 Computer Security Compliance-Beta-File System	Operating System	Windows	1,000	No	Yes

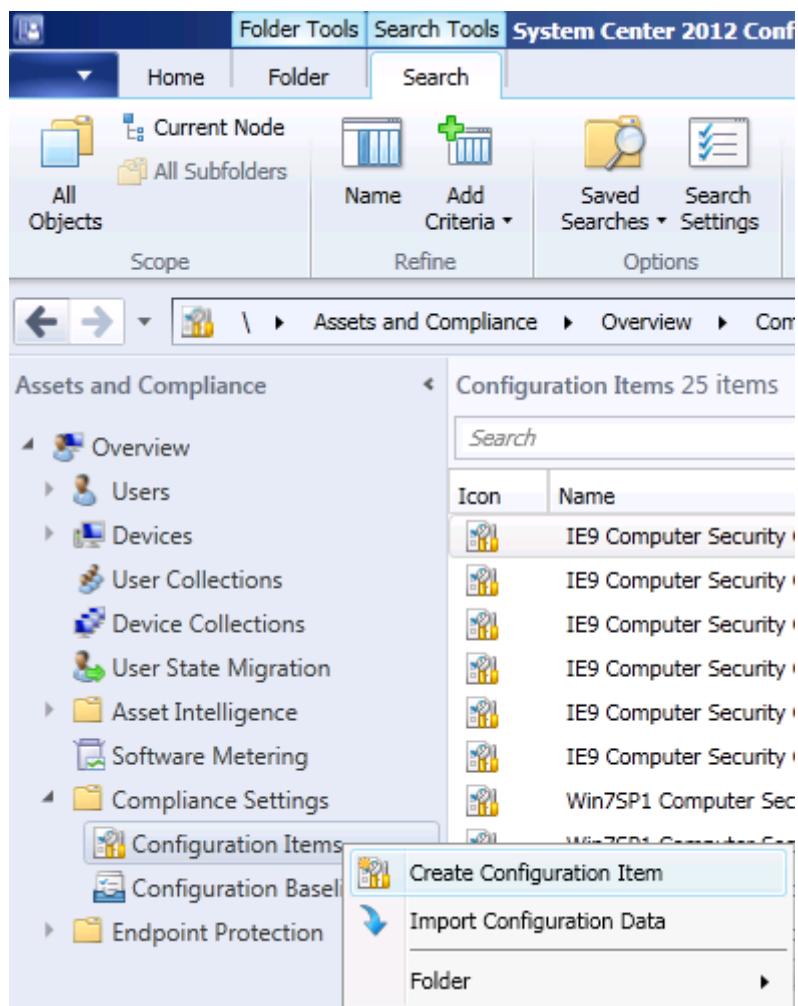
12) You can see all imported configuration items .

5. Create a Standard Desktop Configuration :

1) In this part , I will create custom configuration item and configuration baselines that will represent a standard desktop configuration for a corporation.

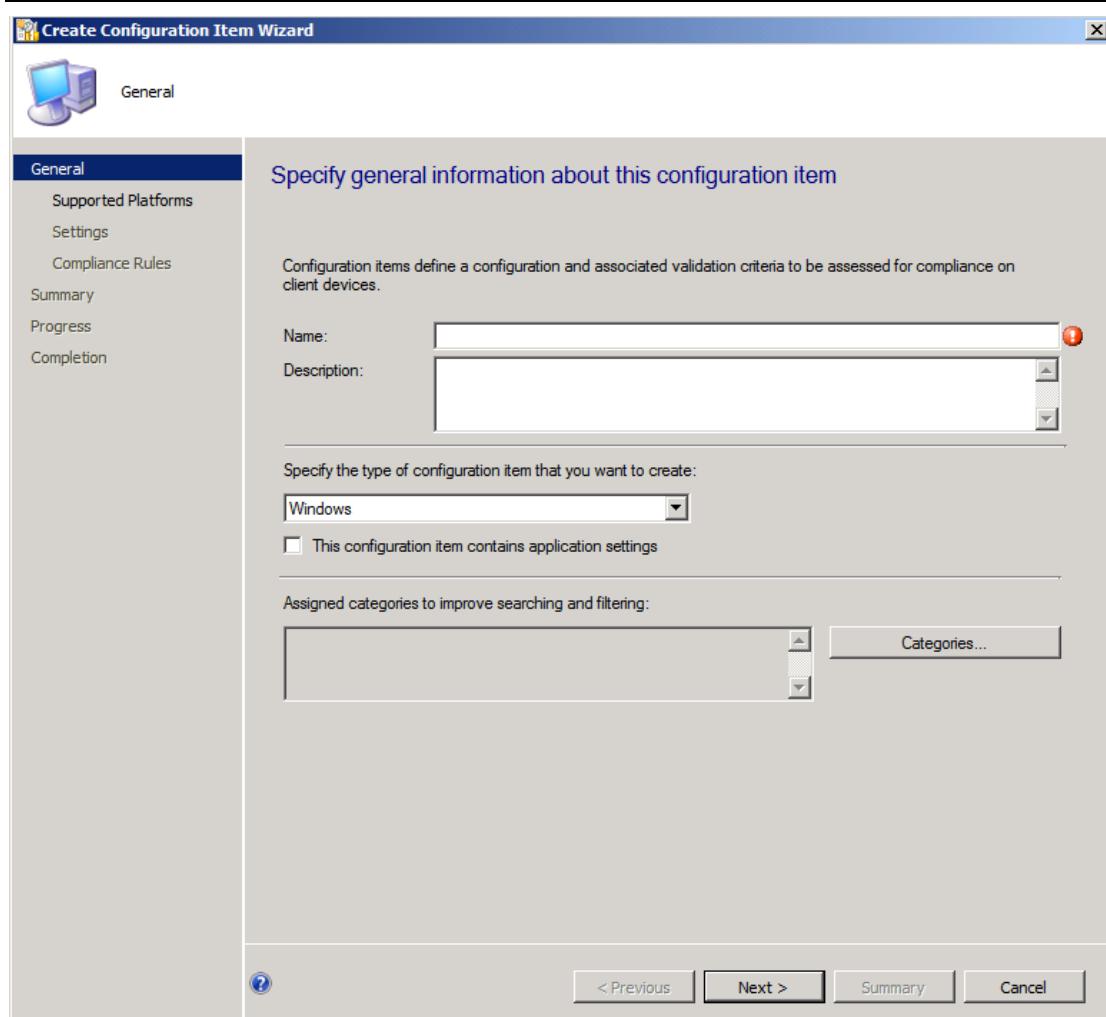
The standard configuration will verify that Remote Desktop is enabled.

2) Right-click **Configuration Items** , click **Create Configuration Item** :



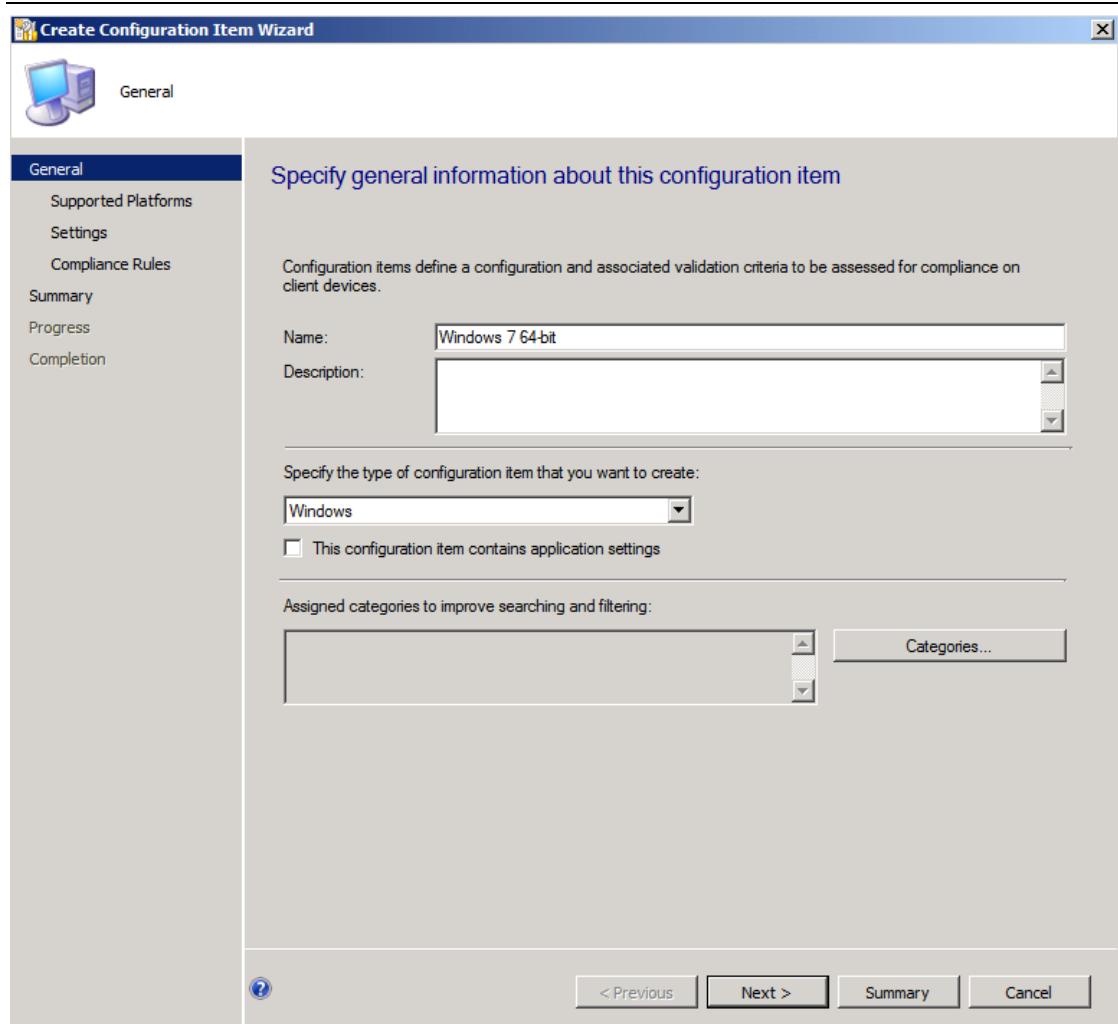
3) The **Create Configuration Item Wizard General** dialog box appears allowing you to configure the name of the configuration item and the type of configuration item (Windows or mobile device) to create :

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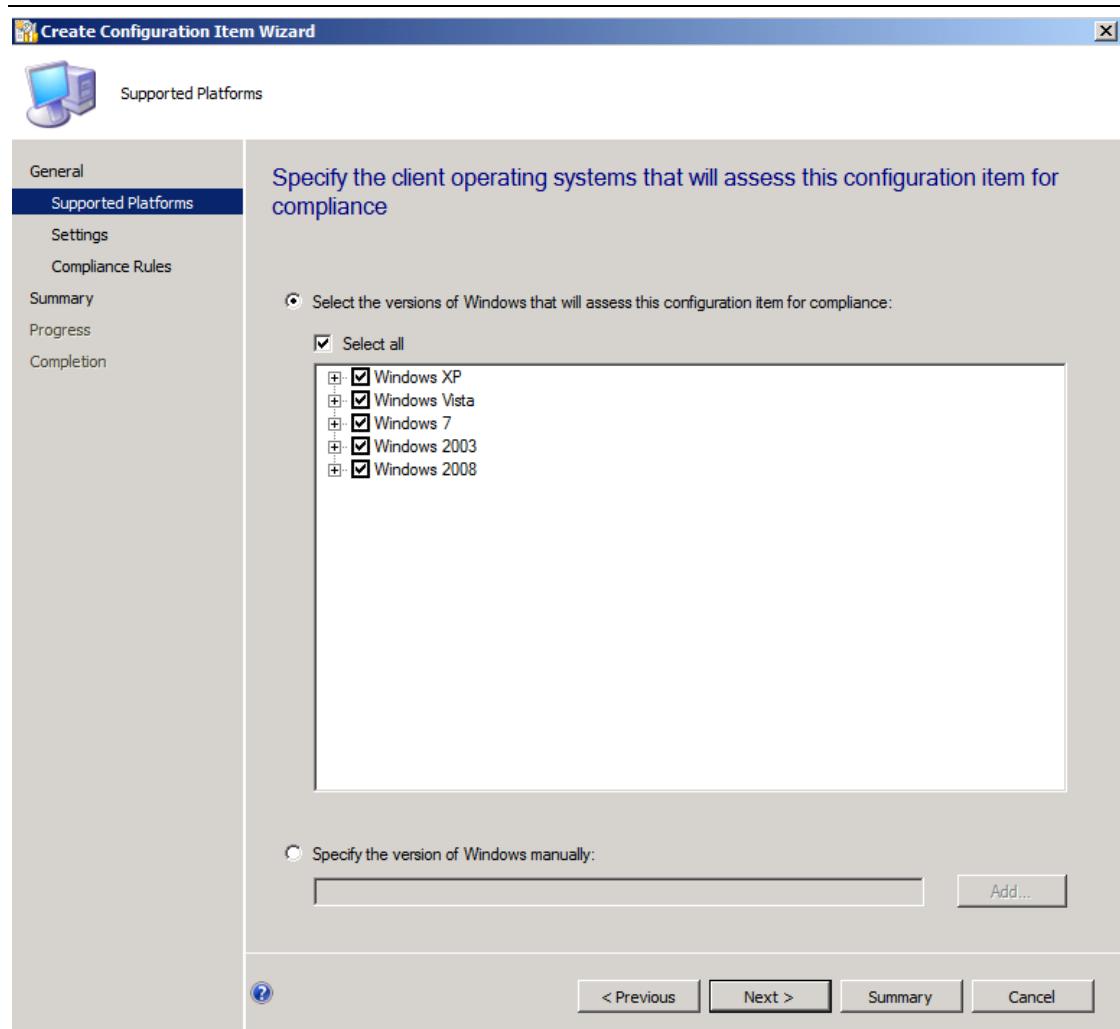
- 4) Type a name in **Name** field , confirm in the **Specify the type of configuration item that you want to create** box , selected **Windows** :

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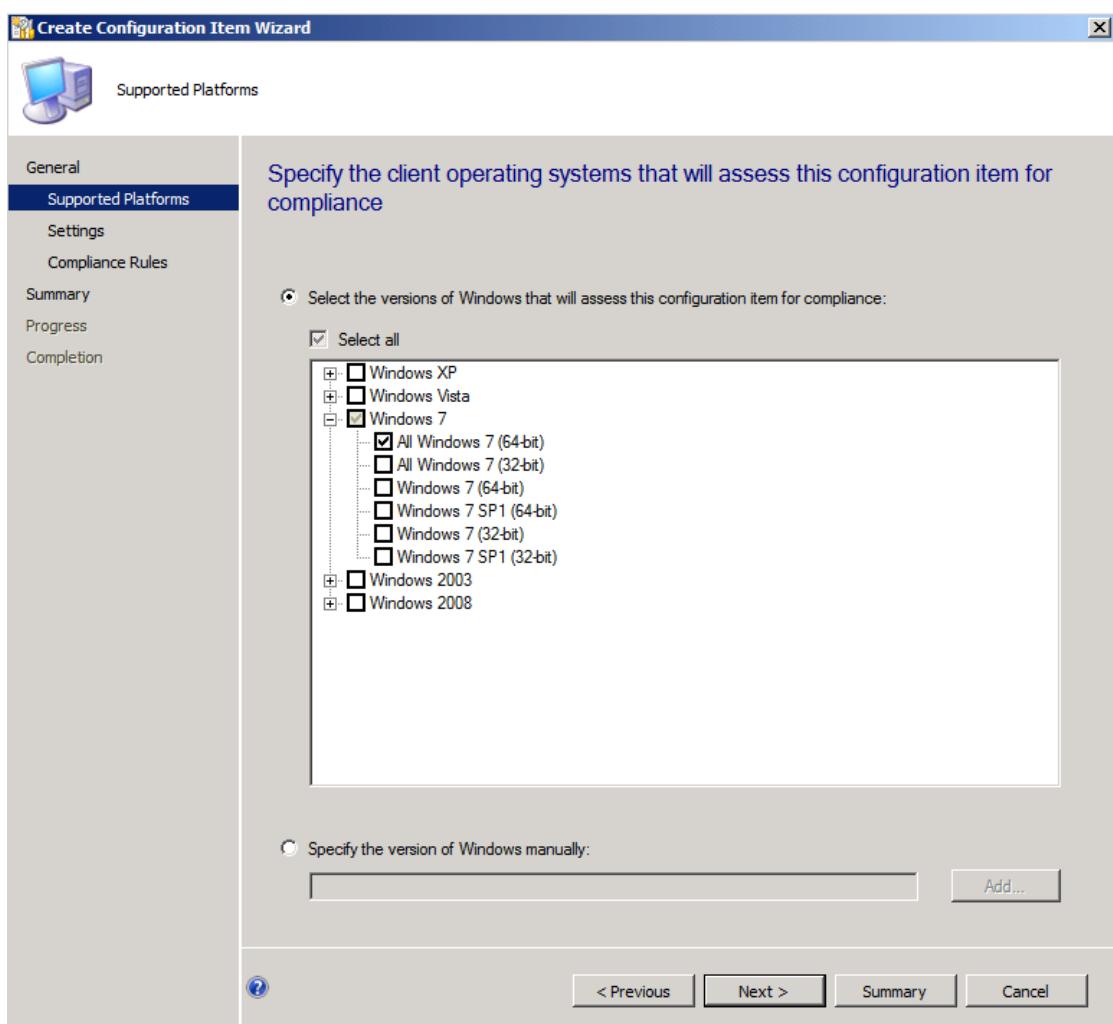
5) Click **Next** , will into **Supported Platforms** page :

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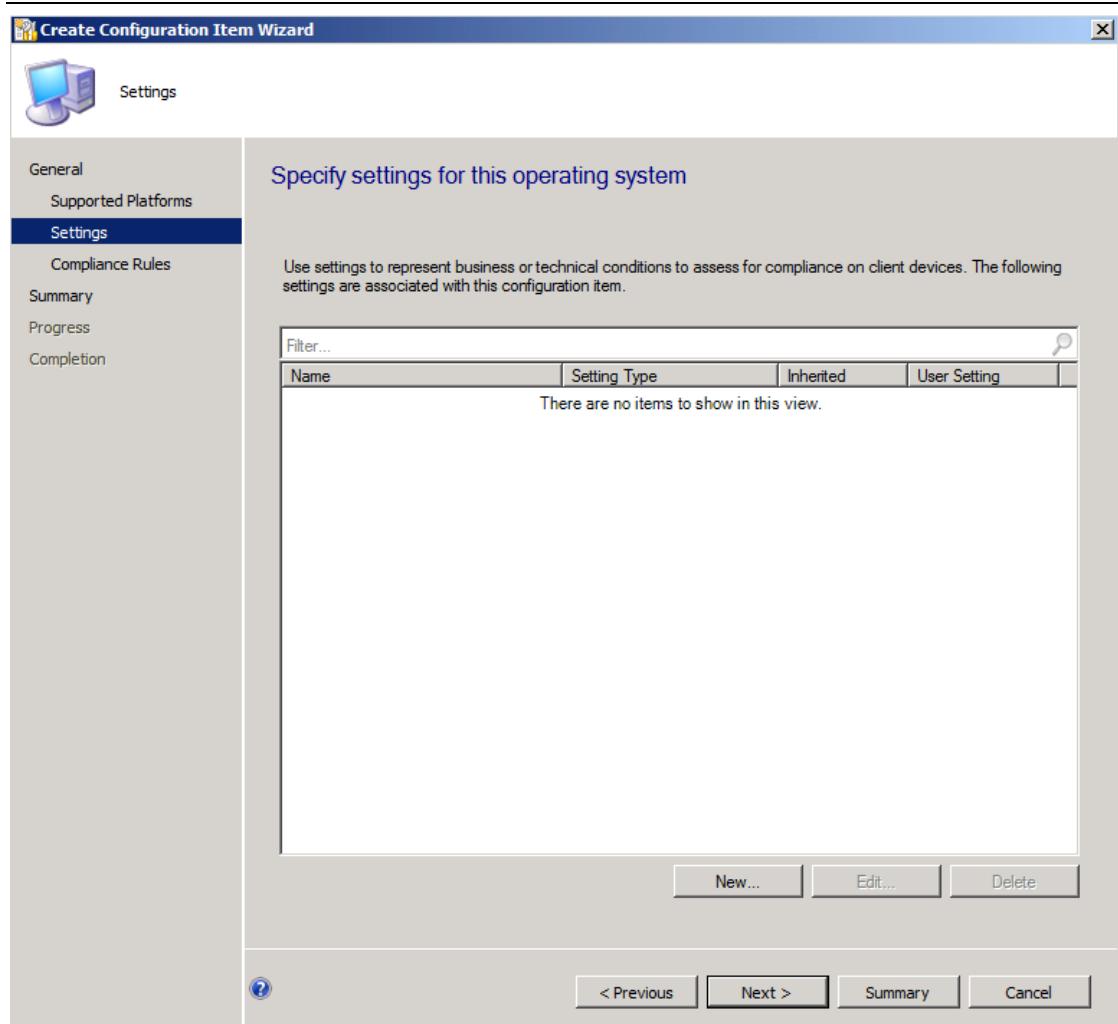
- 6) Click to clear all operating systems except **All Windows 7 (64-bit)** :

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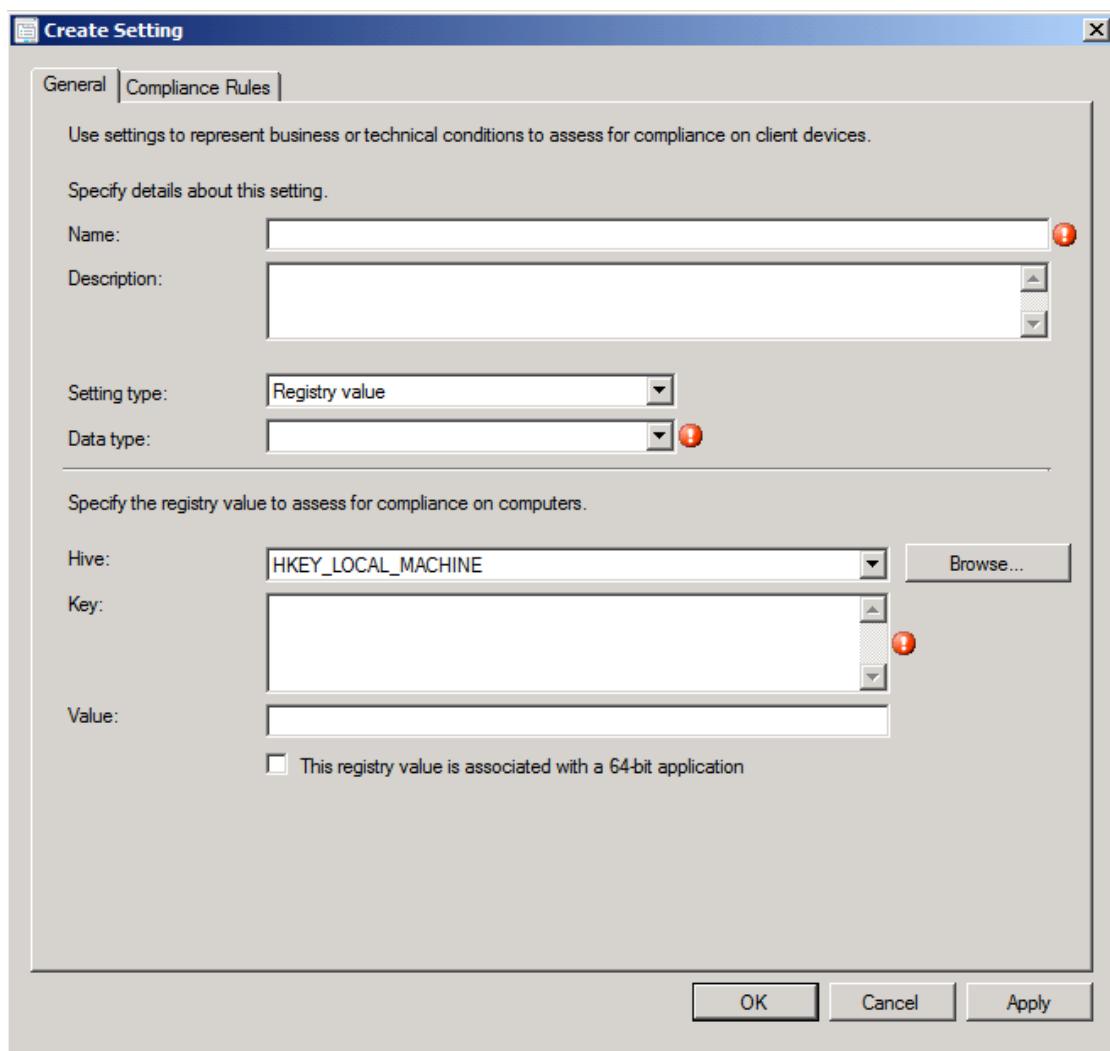


7) Then click **Next** , the **Settings** dialog box appears allowing you to configure the settings that this configuration item will validate :

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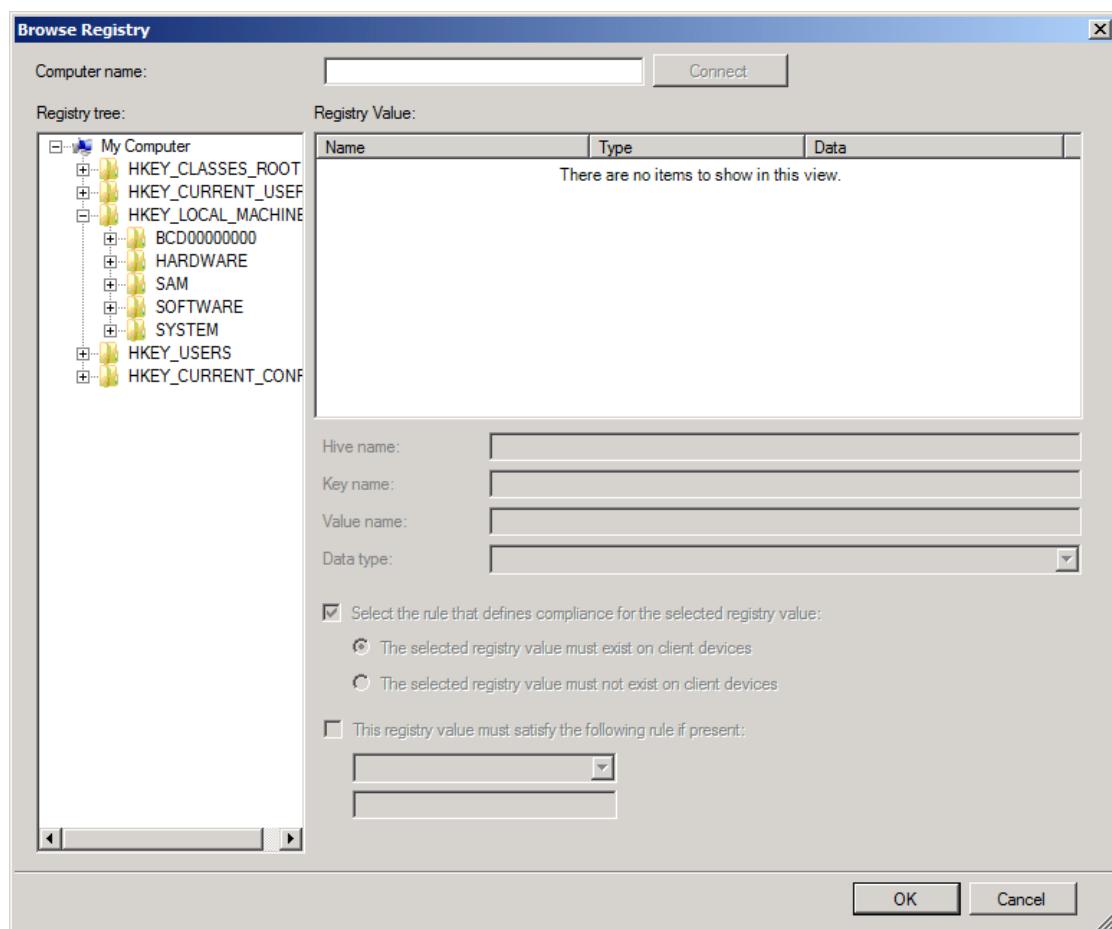


- 8) Click **New...** , the **Create Setting** dialog box appears allowing you to configure the settings for this configuration item :



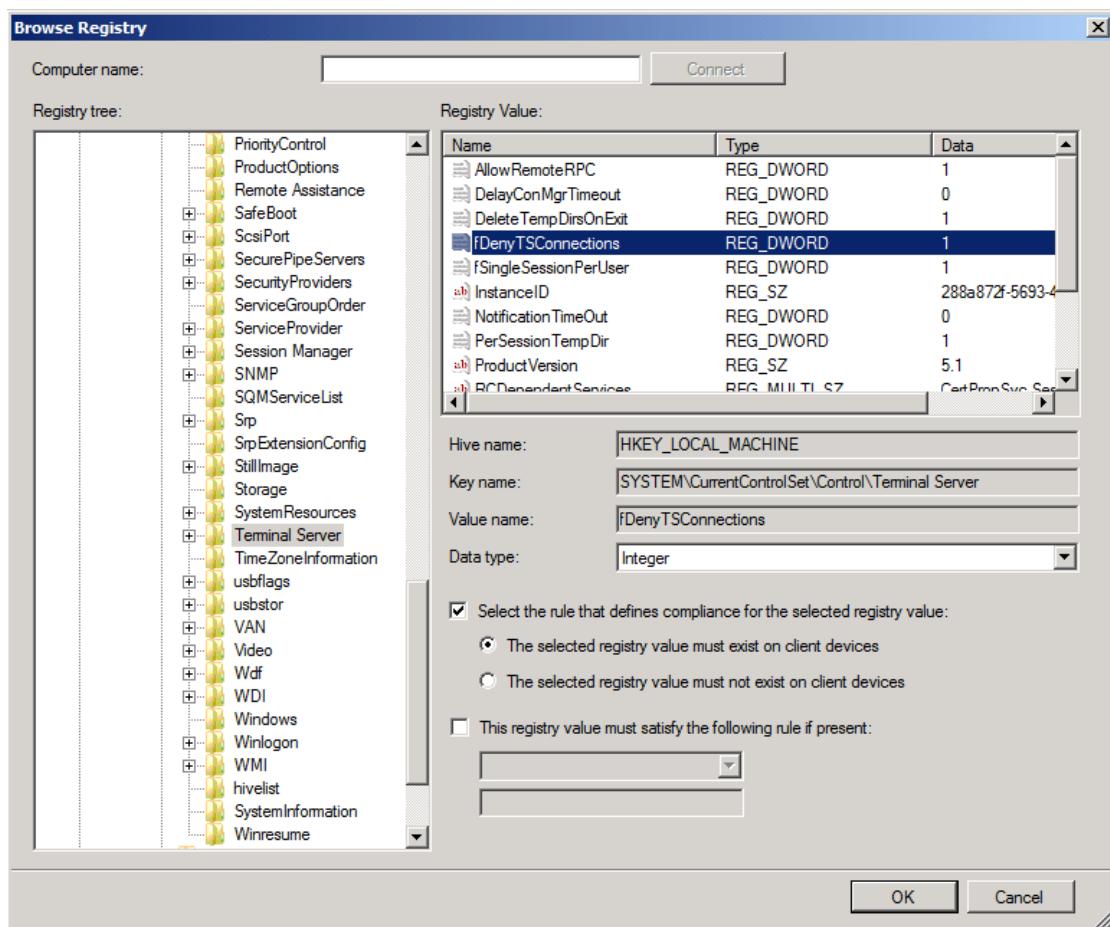
9) The **Hive** box , click **Browse...** , the **Browse Registry** dialog box appears allowing you to the Registry setting to use for this configuration item . This feature allows you to browse an existing ‘master’ or ‘reference’ computer for the registry value to instead of requiring the administrator to manually enter the information :

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10) Browse to and then click **HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Terminal Server**, under **Registry Value**, click **fDenyTSConnections**:

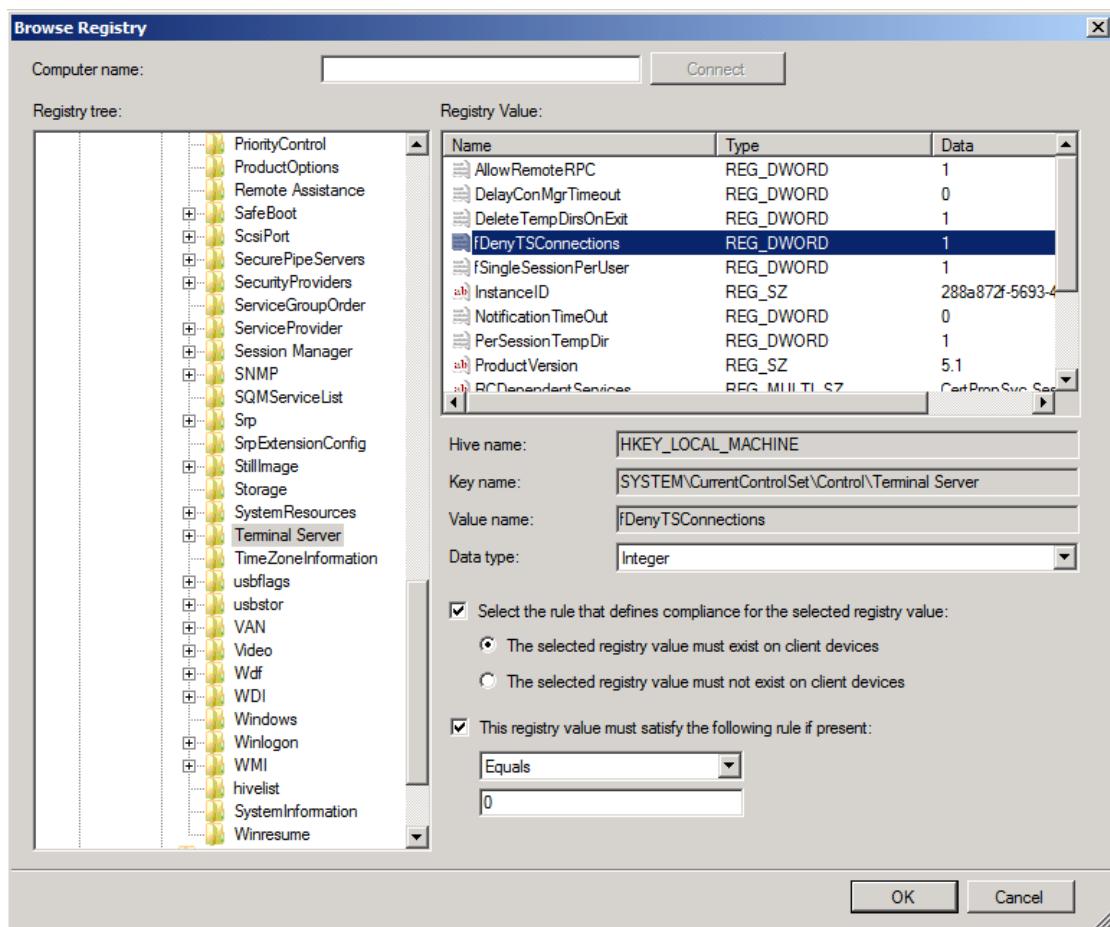
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11) Verify that **The selected registry value must exist on client devices** is selected. Select **This registry value must satisfy the following rule if present**, set the rule to **Equals**, and the value to **0**:

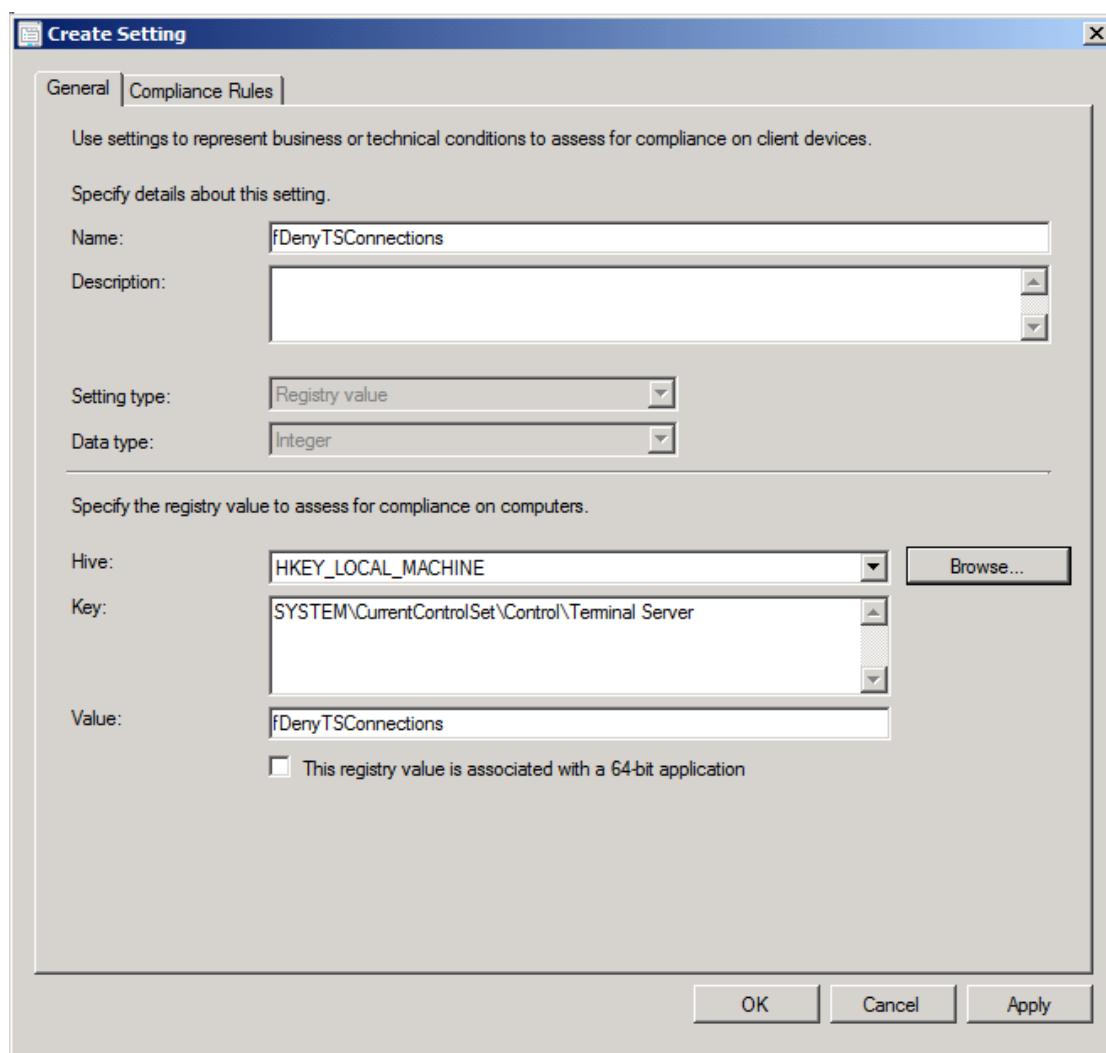
Note : To enable Remote Desktop , the registry value must exist and be set to a value of **0** . To disable Remote Desktop , the value is set to **1** .

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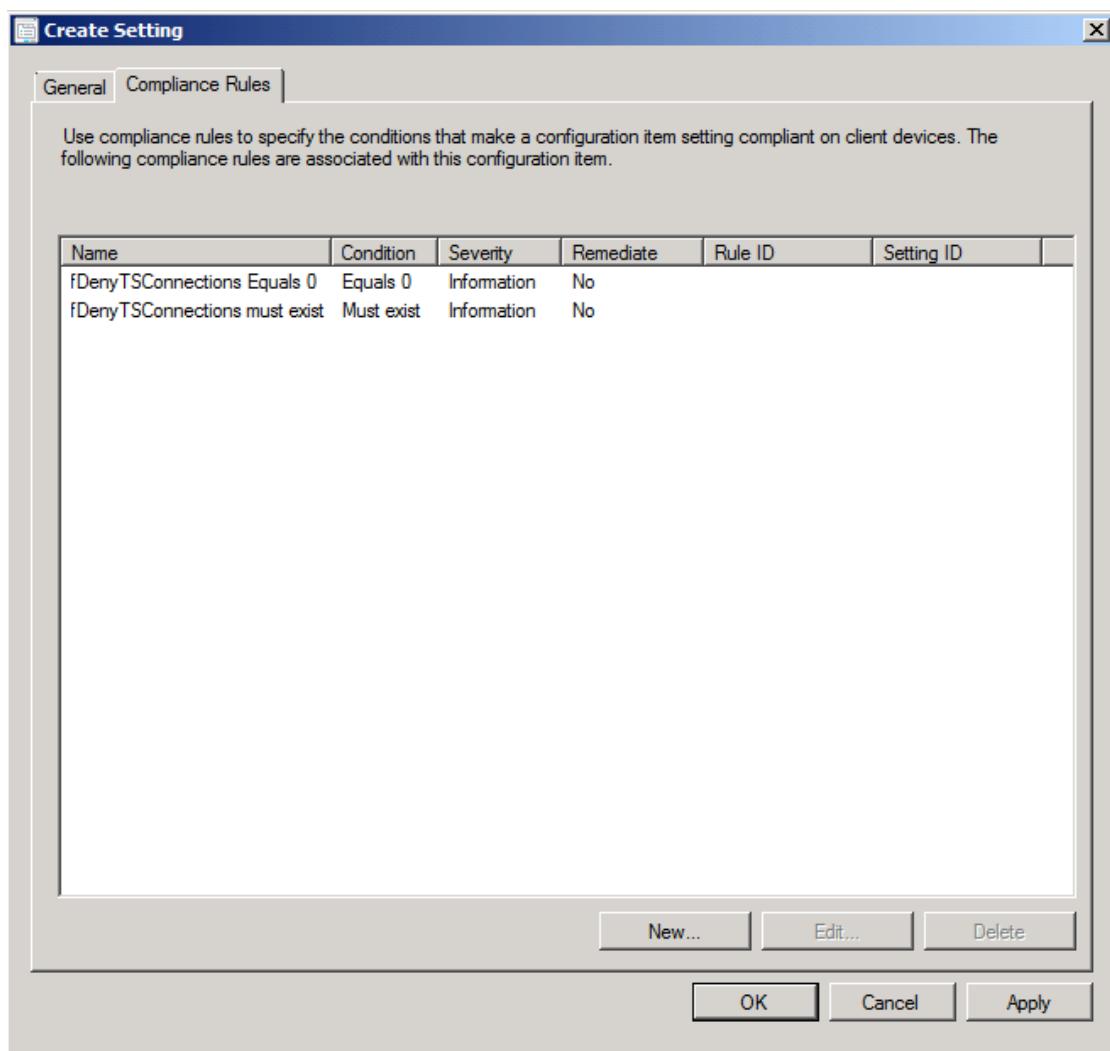
12) Click **OK** , The **Create Setting** dialog box appears displaying the current configuration for this configuration item. By browsing to a registry value, the settings and rule definitions are configured automatically. Notice that the '**Name**' of the setting is "**fDenyTSConnections**" which was the name of the Registry value selected. You certainly could change the name to something more user friendly as desired :

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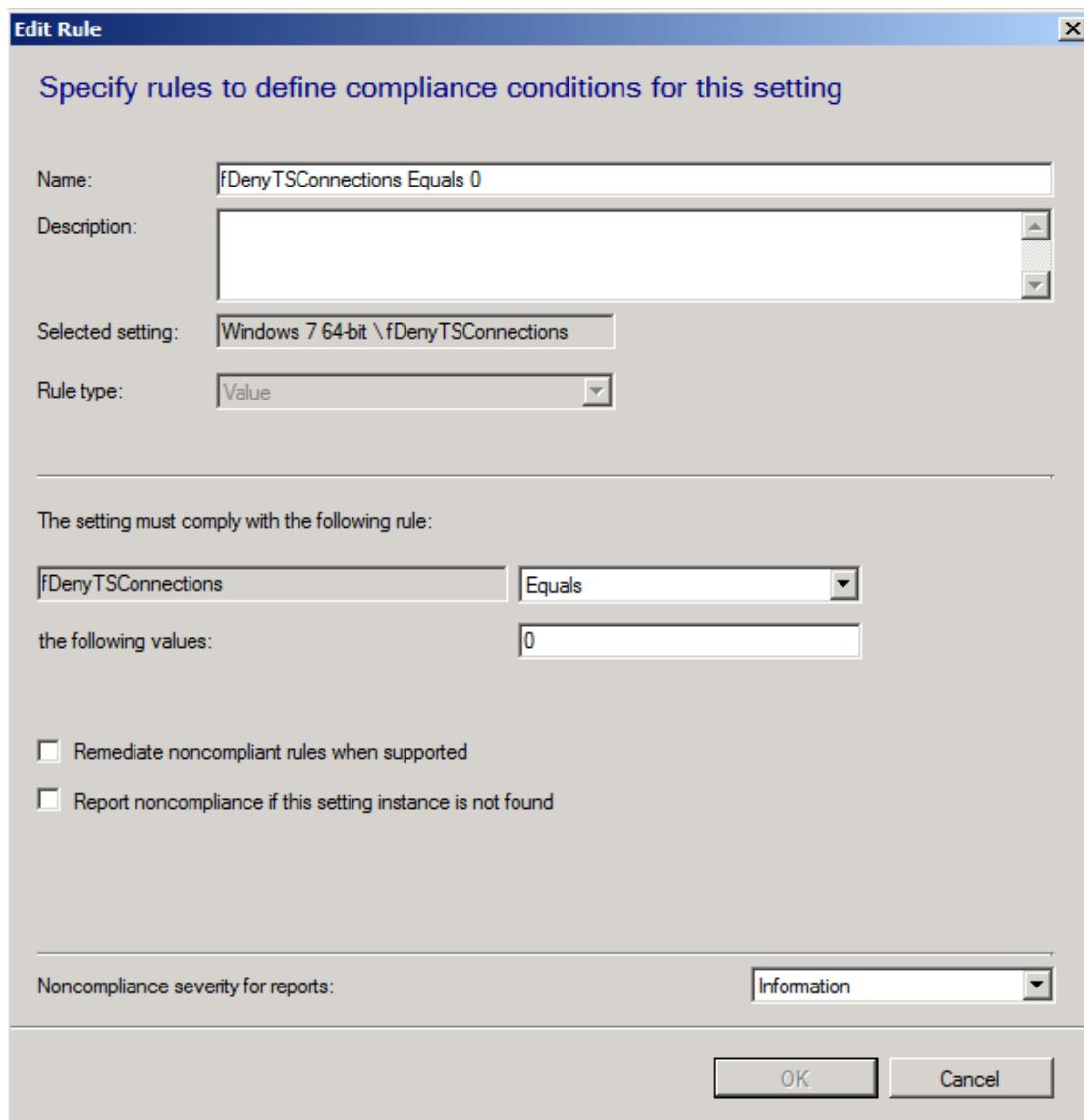


13) Click the **Compliance Rules** tab , there have two compliance rules for this configuration item :

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14) Click **fDenyTSConnections Equals 0** , and then click **Edit...** , the **Edit Rule** dialog box appears displaying :



15) Click **Remediate noncompliant rules when supported** , in the **Noncompliance severity for reports** box , click **Warning** :

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Edit Rule

Specify rules to define compliance conditions for this setting

Name: fDenyTSConnections Equals 0

Description:

Selected setting: Windows 7 64-bit \fDenyTSConnections

Rule type: Value

The setting must comply with the following rule:

fDenyTSConnections Equals 0

the following values:

Remediate noncompliant rules when supported

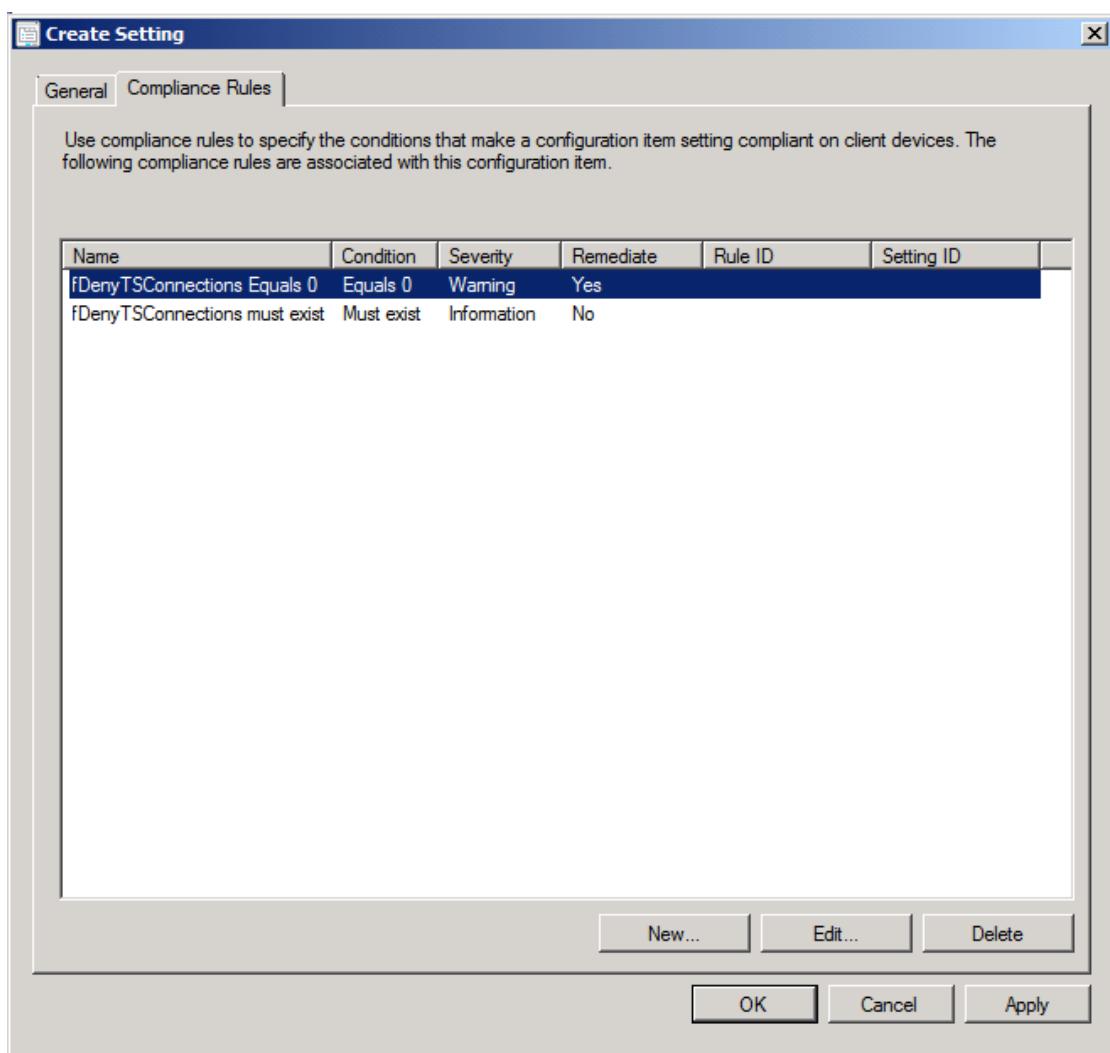
Report noncompliance if this setting instance is not found

Noncompliance severity for reports: Warning

OK **Cancel**

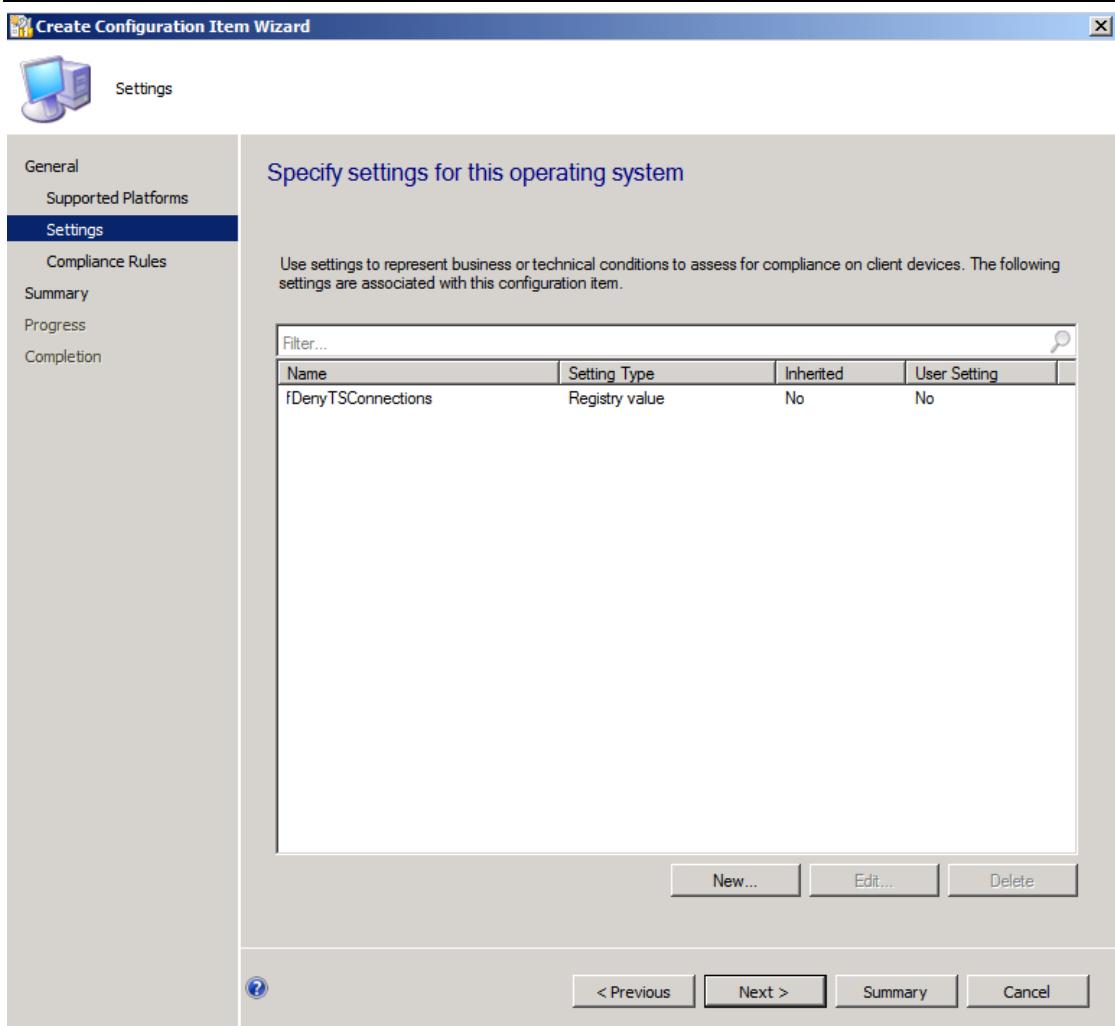
16) Click **OK** , will back to **Compliance Rules** tab :

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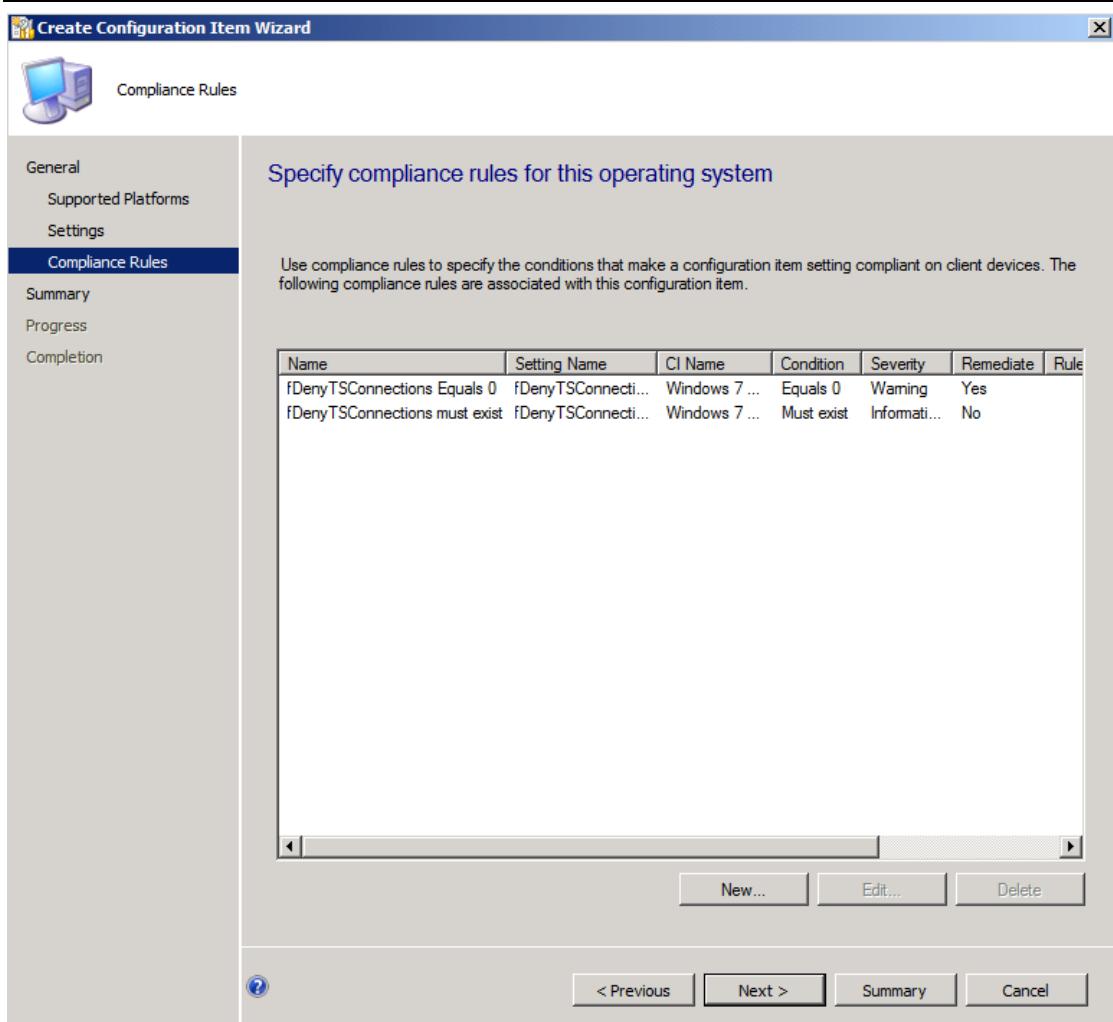
17) Click **Apply---OK** , will display **Settings** page :

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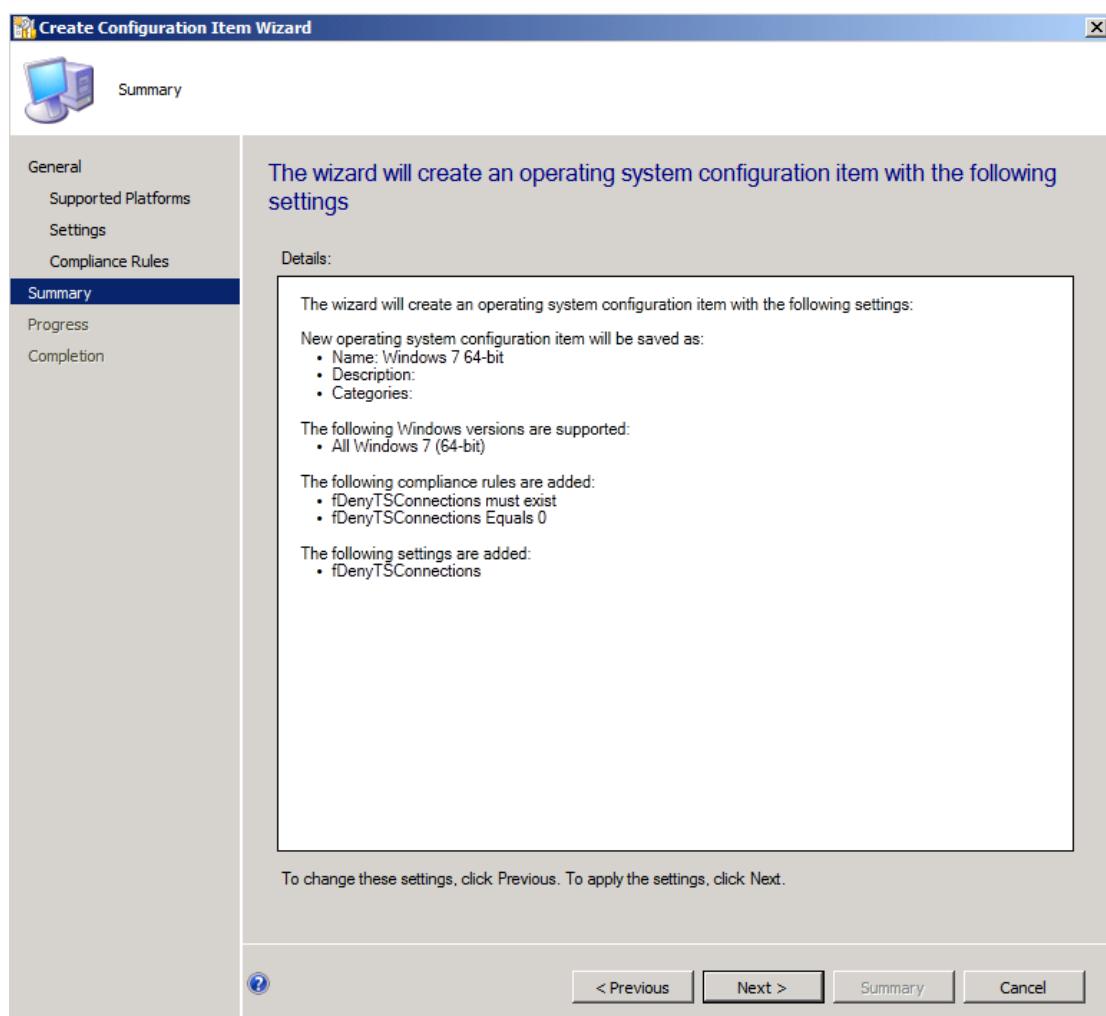
18) Click **Next** , the **Compliance Rules** dialog box appears displaying the two compliance rules that this configuration item will validate :

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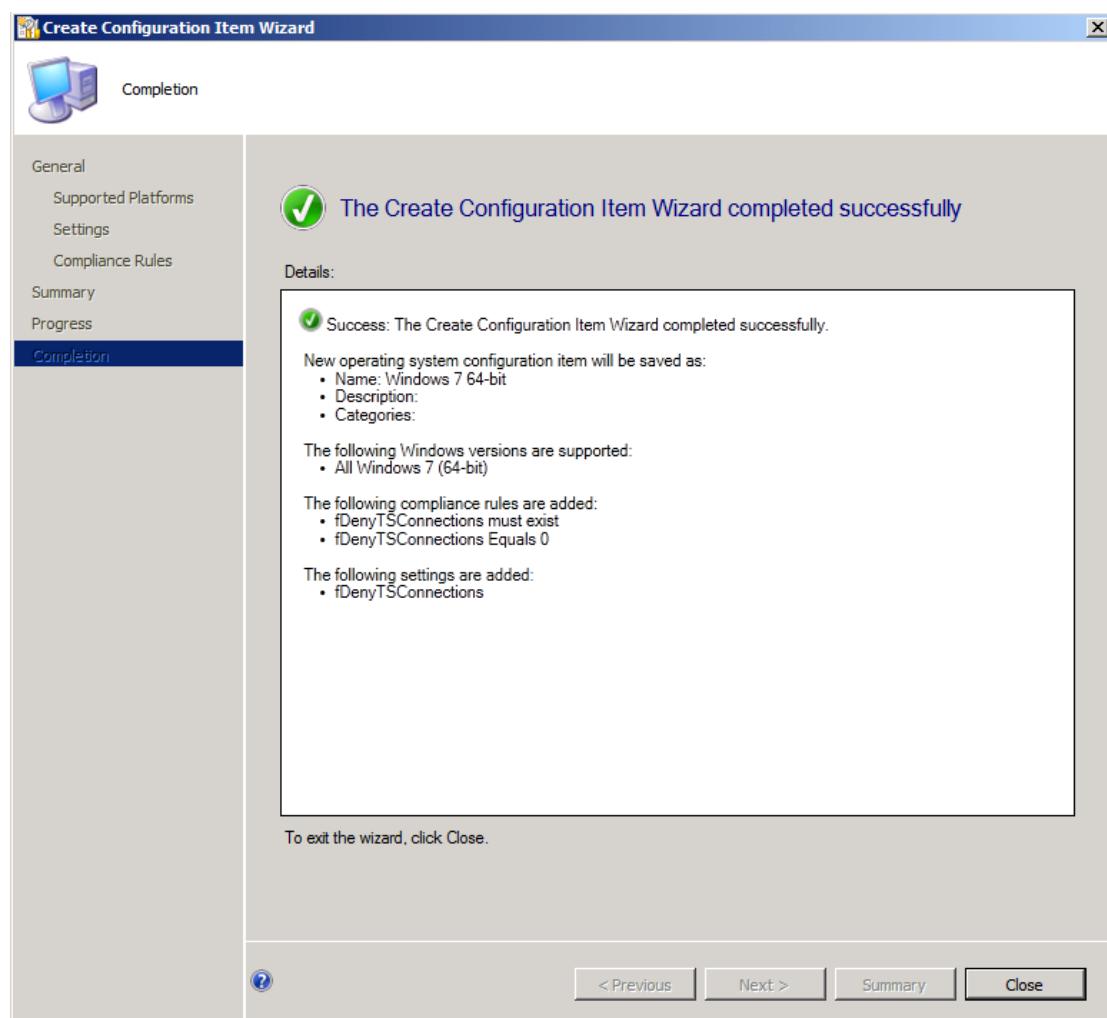
19) Click **Next** , will display **Summary** dialog box :

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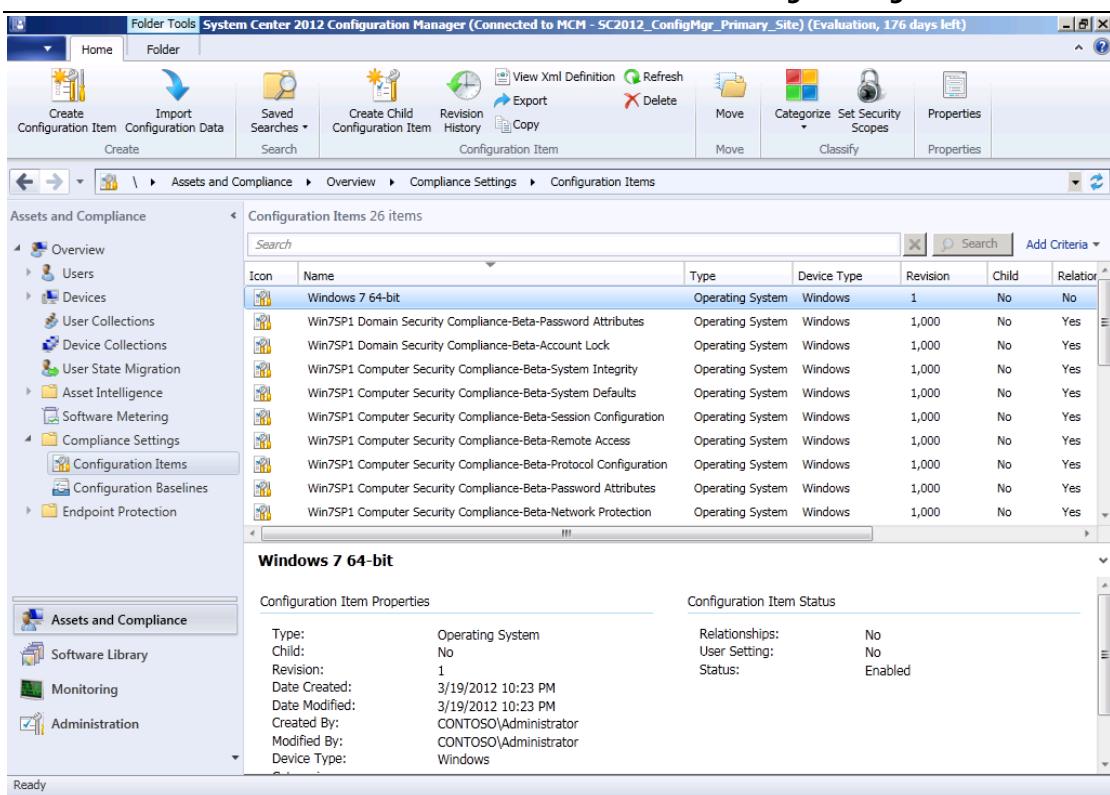
20) Click **Next** , the **Completion** dialog box appears indicating that the configuration item has successfully been created :

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21) Click **Close** , you can see just created configuration item :

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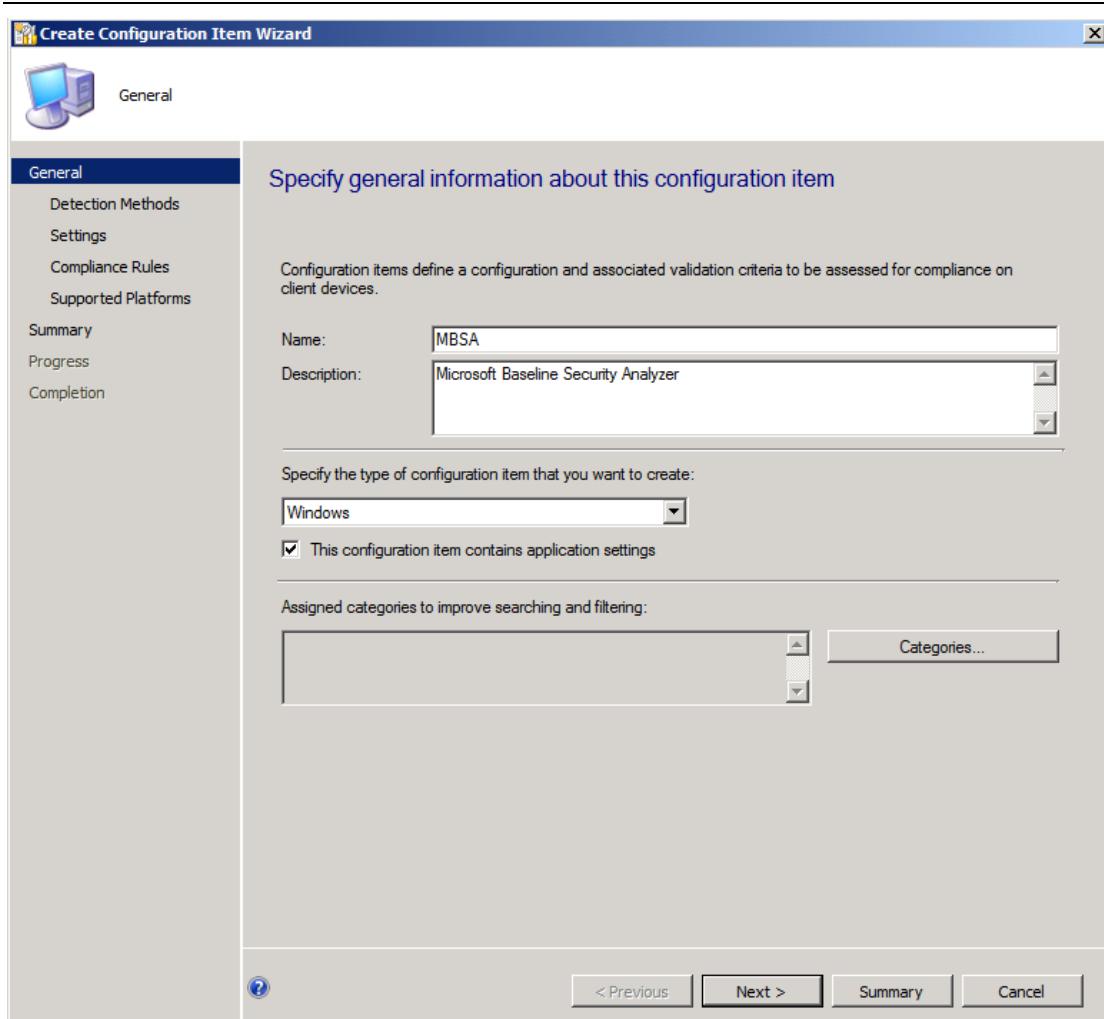
The screenshot shows the System Center 2012 Configuration Manager ribbon interface. The ribbon tabs include Home, Folder, and Tools. Under the Tools tab, the sub-tab is 'System Center 2012 Configuration Manager (Connected to MCM - SC2012_ConfigMgr_Primary_Site) (Evaluation, 176 days left)'. The main content area displays the 'Assets and Compliance' navigation pane on the left, which includes sections like Overview, Users, Devices, User Collections, Device Collections, User State Migration, Asset Intelligence, Software Metering, Compliance Settings (selected), Configuration Items (selected), Configuration Baselines, and Endpoint Protection. The central pane shows a list of 'Configuration Items 26 items' with columns for Icon, Name, Type, Device Type, Revision, Child, and Relation. Below this is a detailed view for 'Windows 7 64-bit' configuration item, showing its properties and status.

Icon	Name	Type	Device Type	Revision	Child	Relation
Windows 7 64-bit	Operating System	Windows	1	No	No	
Win7SP1 Domain Security Compliance-Beta-Password Attributes	Operating System	Windows	1,000	No	Yes	
Win7SP1 Domain Security Compliance-Beta-Account Lock	Operating System	Windows	1,000	No	Yes	
Win7SP1 Computer Security Compliance-Beta-System Integrity	Operating System	Windows	1,000	No	Yes	
Win7SP1 Computer Security Compliance-Beta-System Defaults	Operating System	Windows	1,000	No	Yes	
Win7SP1 Computer Security Compliance-Beta-Session Configuration	Operating System	Windows	1,000	No	Yes	
Win7SP1 Computer Security Compliance-Beta-Remote Access	Operating System	Windows	1,000	No	Yes	
Win7SP1 Computer Security Compliance-Beta-Protocol Configuration	Operating System	Windows	1,000	No	Yes	
Win7SP1 Computer Security Compliance-Beta-Password Attributes	Operating System	Windows	1,000	No	Yes	
Win7SP1 Computer Security Compliance-Beta-Network Protection	Operating System	Windows	1,000	No	Yes	

22) On the **Ribbon zone** , click **Create Configuration Item** , in **General** dialog

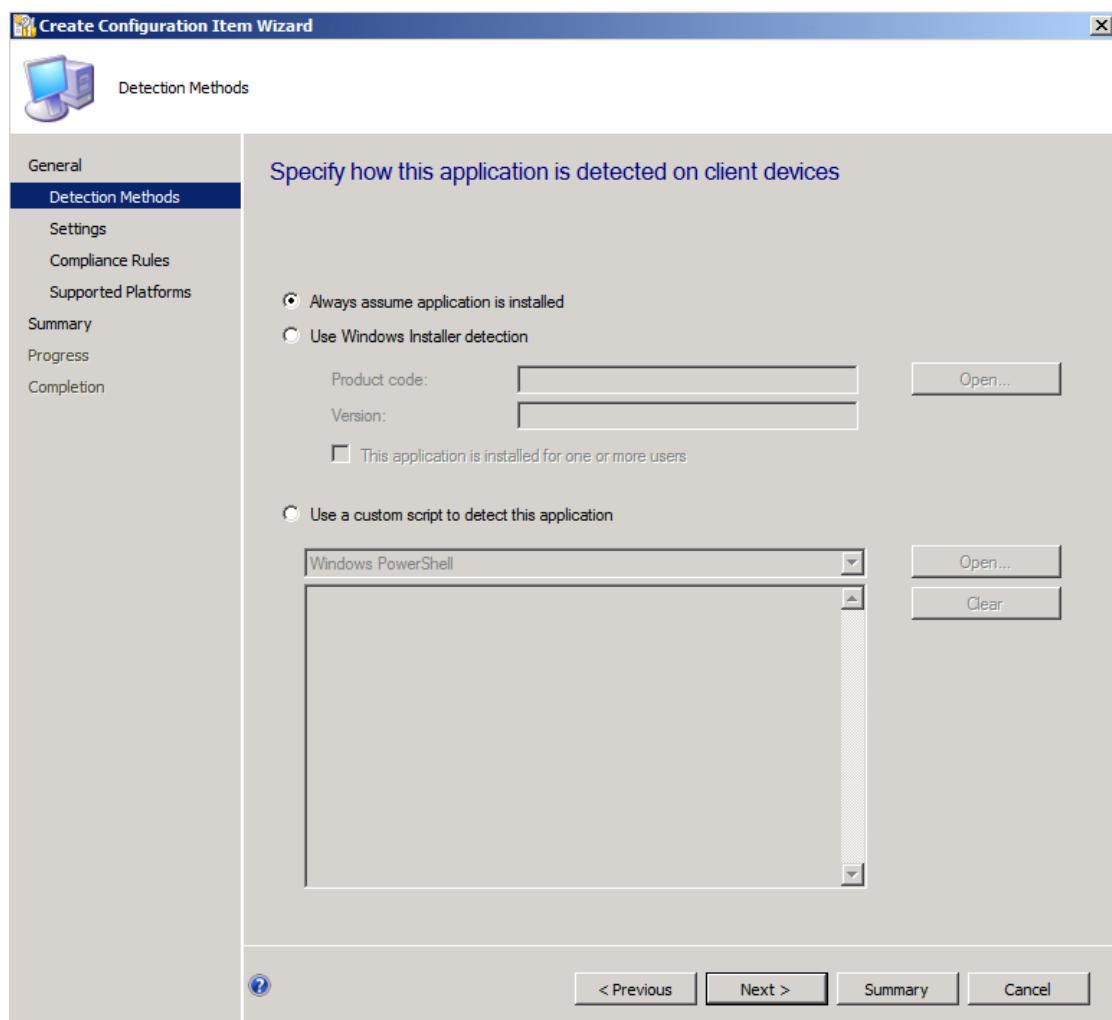
box , type name in **Name** field , select **This configuration item contains application settings** :

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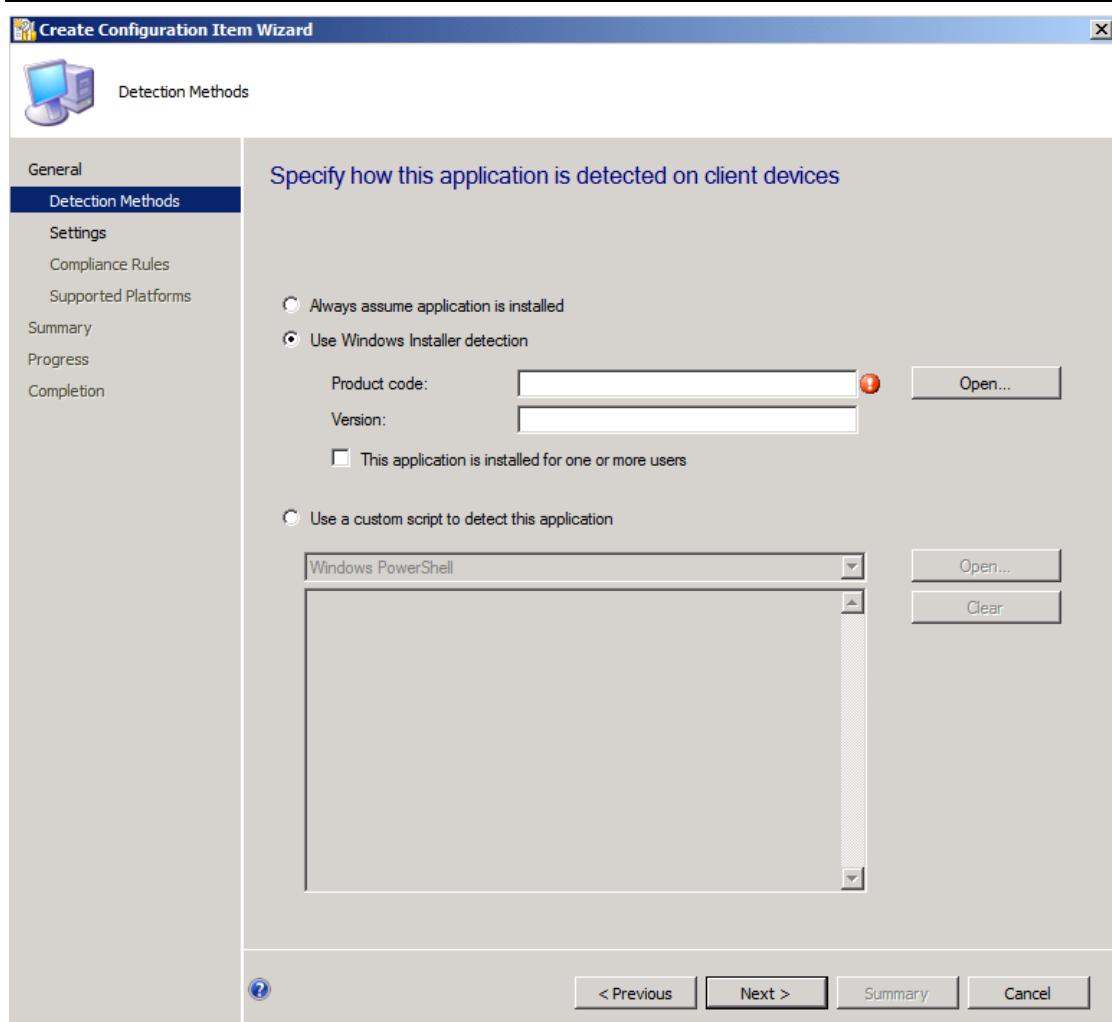
23) Click **Next** , the **Detection Methods** dialog box appears allowing you to configure how to validate that the application is installed on a client :

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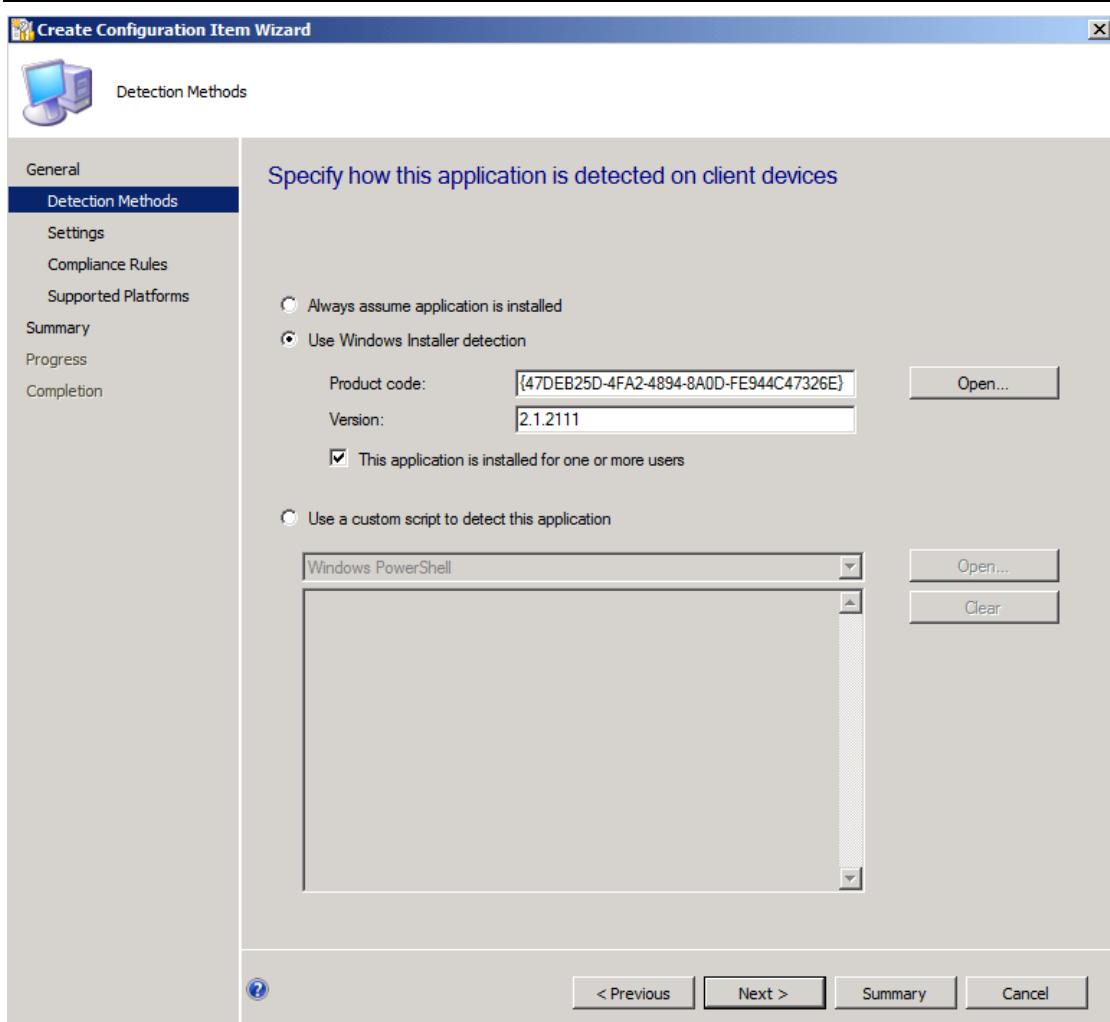
24) Click **Use Windows Installer detection** :

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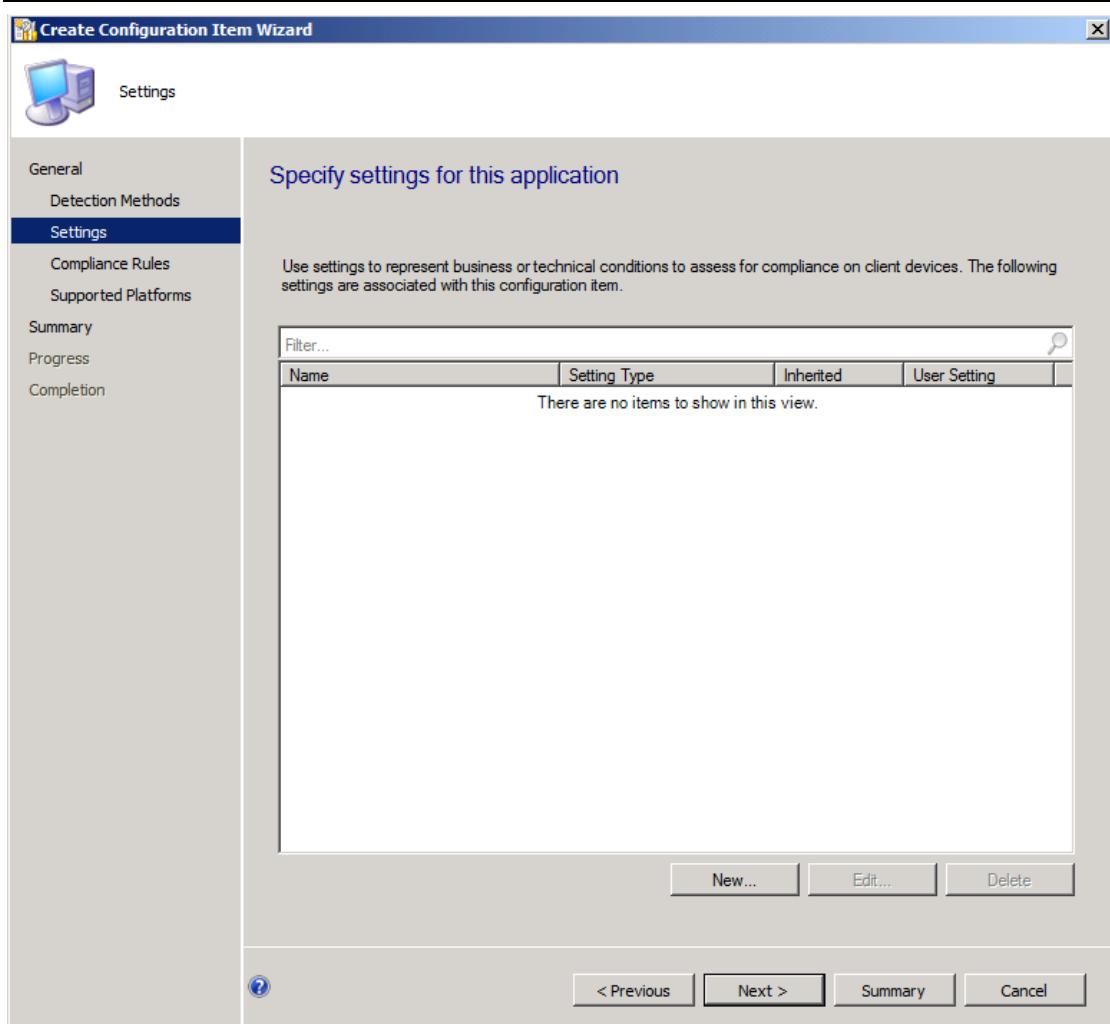
25) Then after **Product code** , click **Open...** and specify MBSA 2.1.1 file , select
This application is installed for one or more users :

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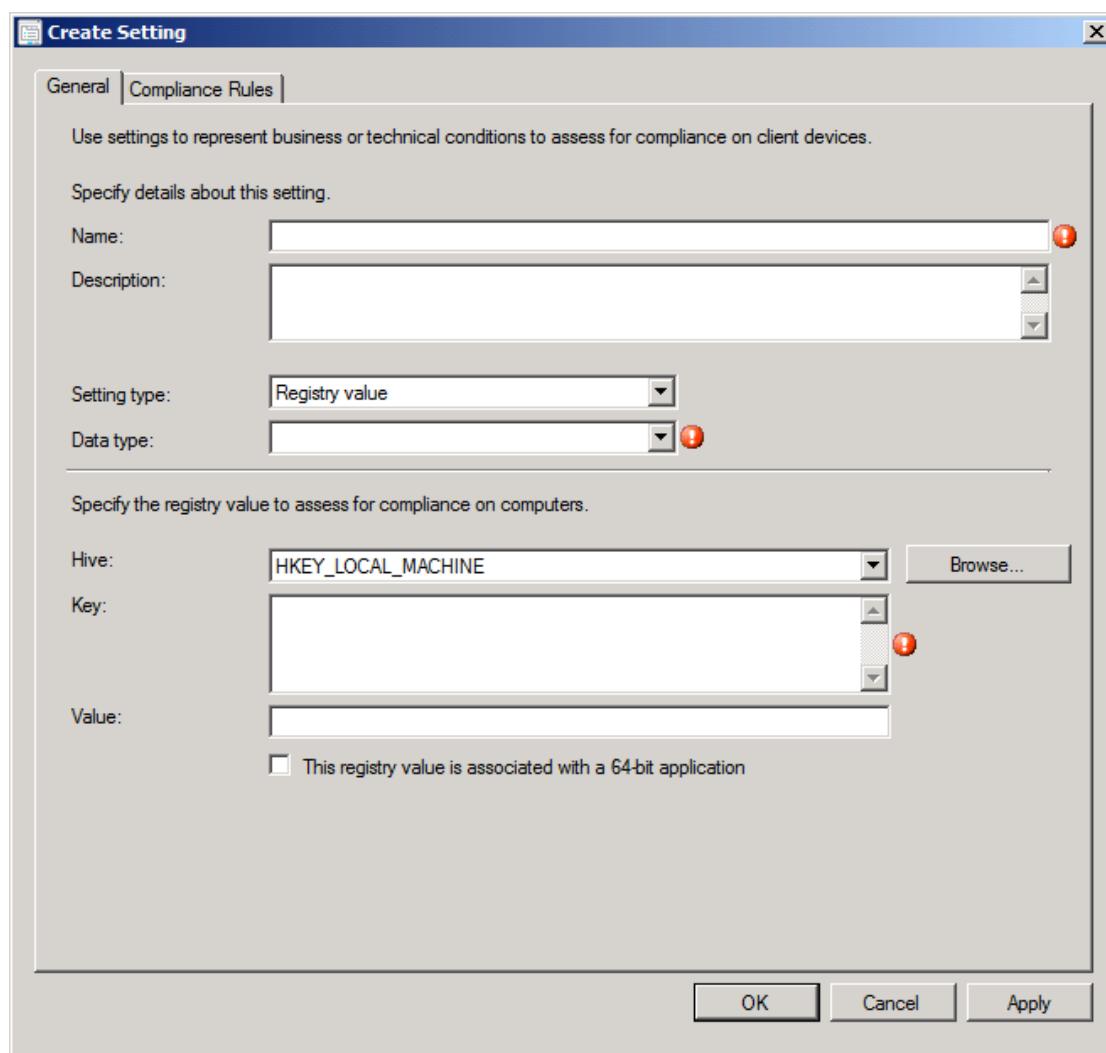
26) Click **Next** , the **Settings** dialog box appears allowing you to configure the settings that this configuration item will validate :

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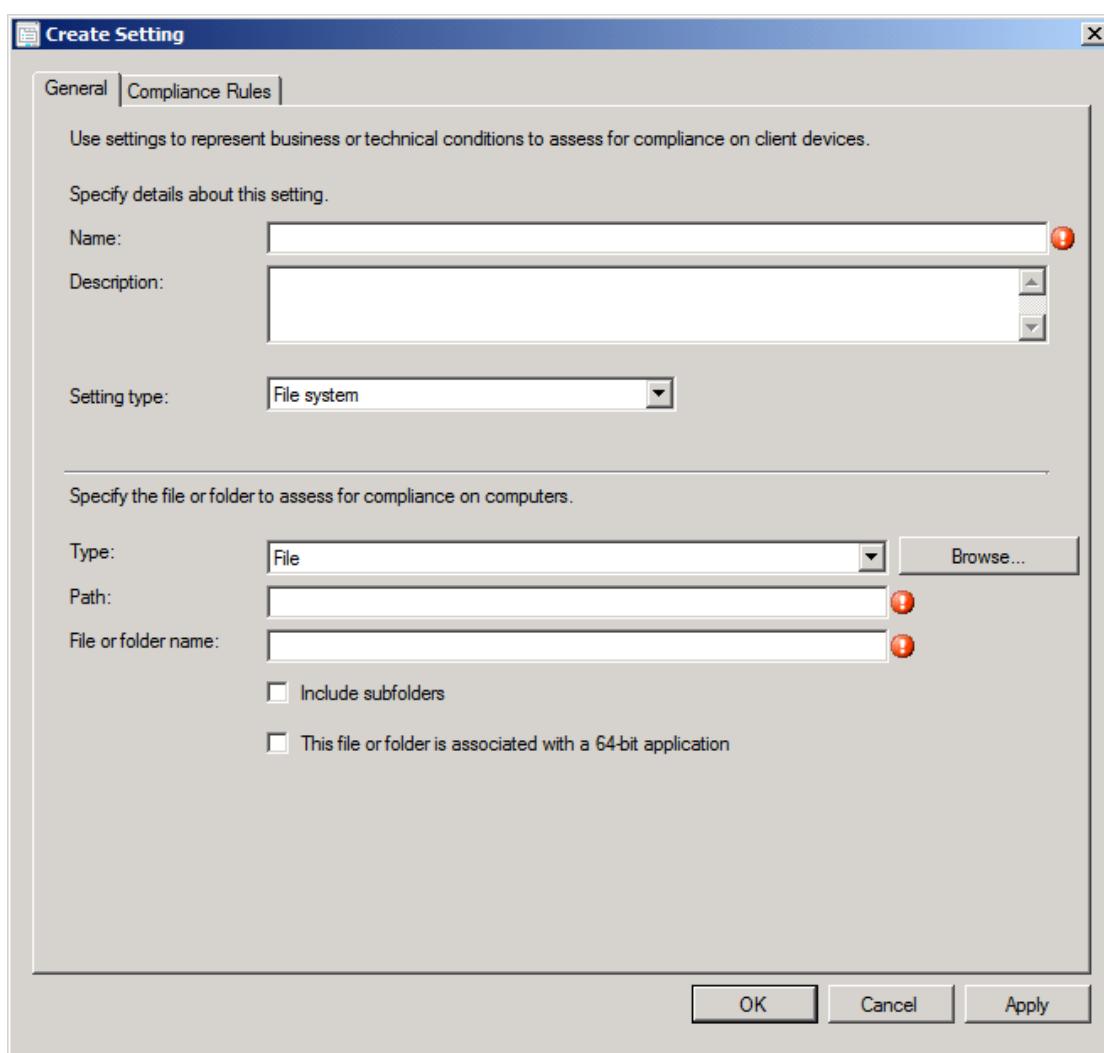
27) Click **New...** , the **Create Setting** dialog box appears allowing you to configure the setting that this configuration item will validate :

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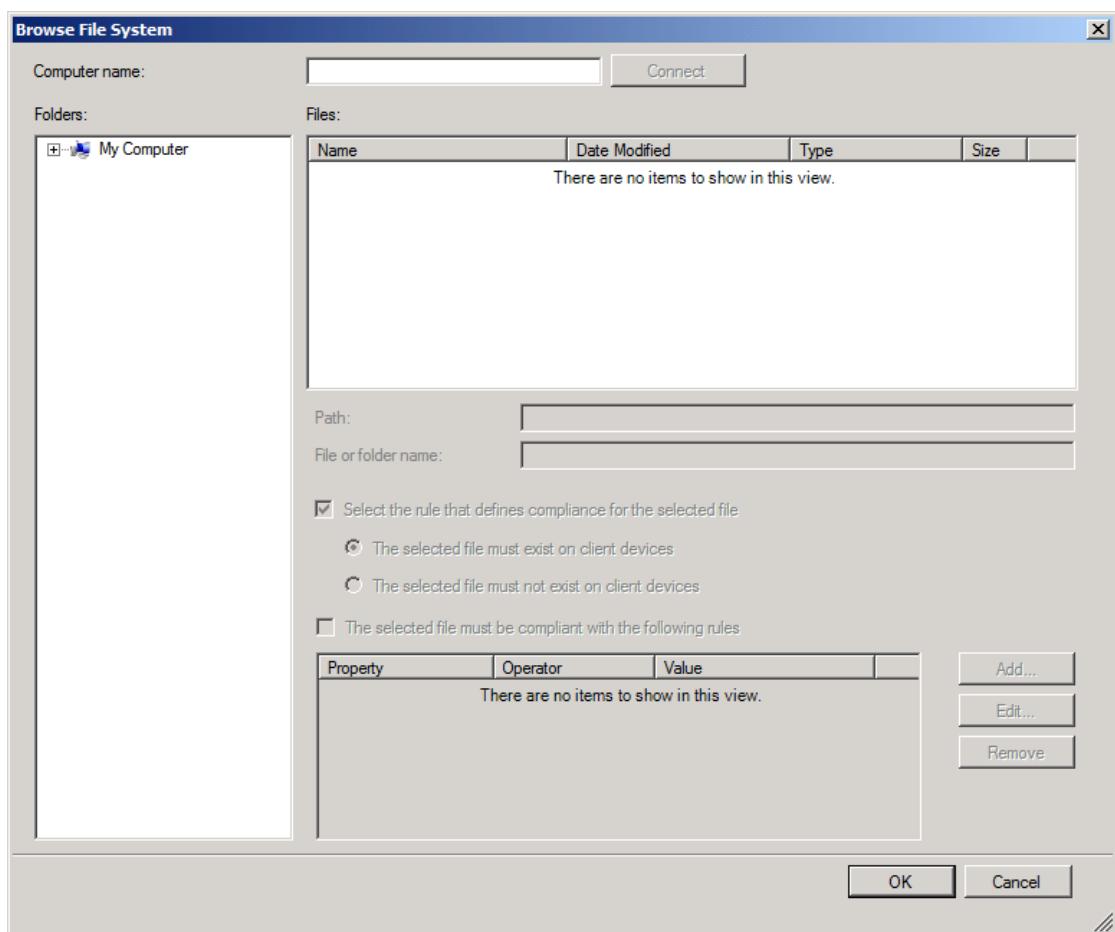
28) In the **Setting type** box , click **File system** :

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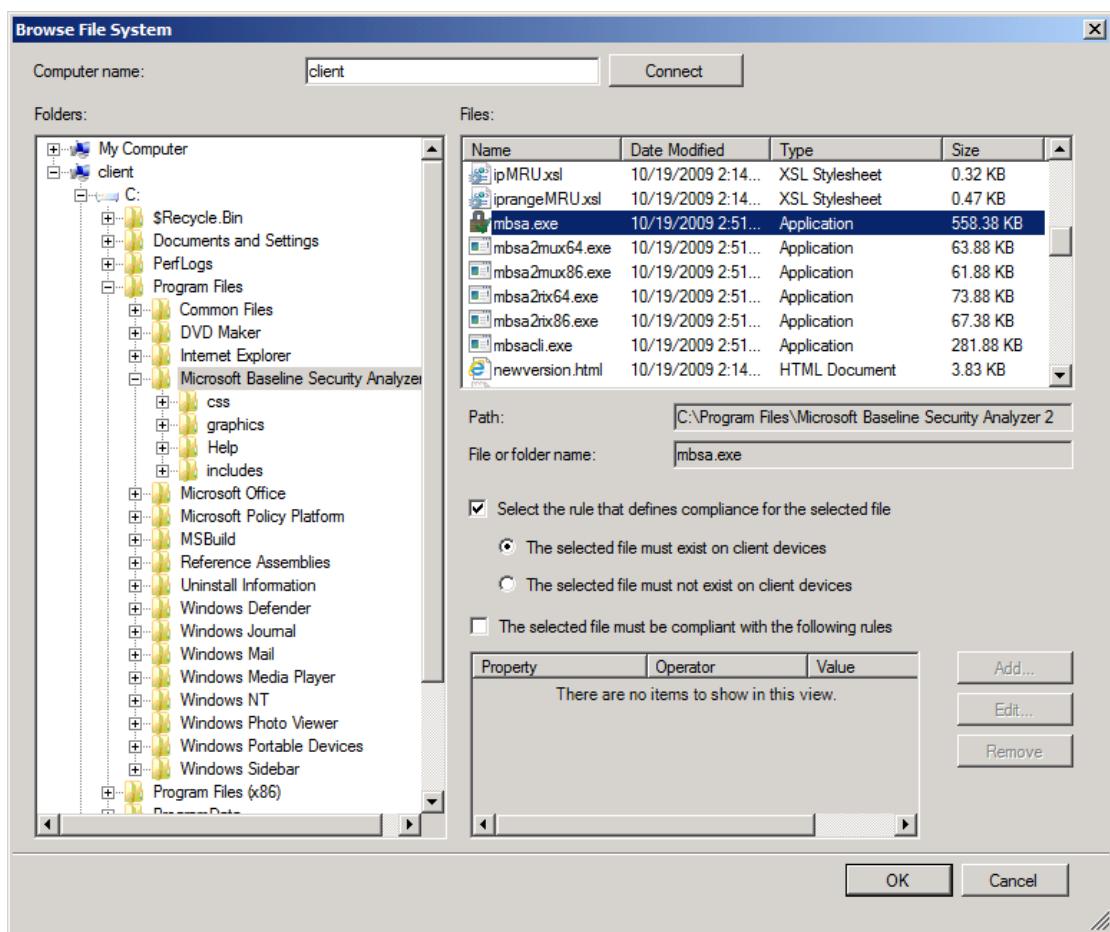
29) Click **Browse...**, the **Browse File System** dialog box appears allowing you select the file system attribute to validate :

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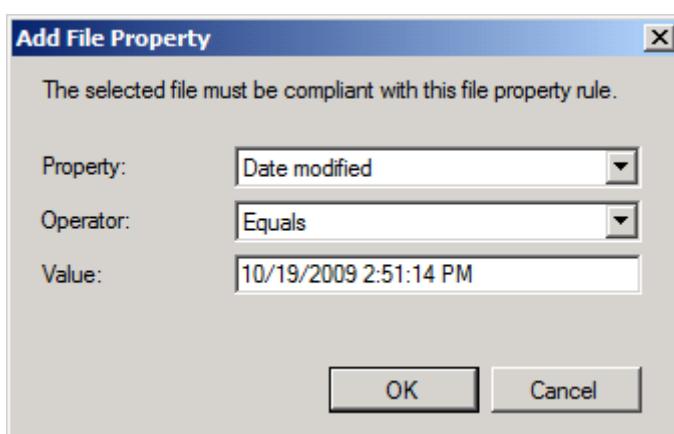


30) In the **Computer name** box , type **Client** and then click **Connect** , and find
mbse.exe file :

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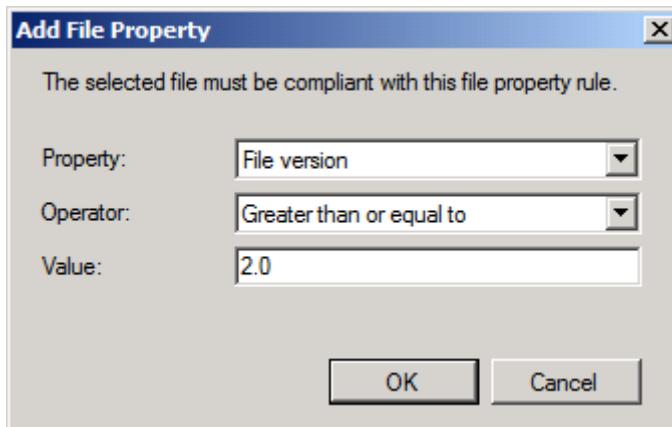
31) Select **The selected file must be compliant with the following rules** ,
click **Add...** , the **Add File Property** dialog box appears allowing you configure the
file system attribute to validate :



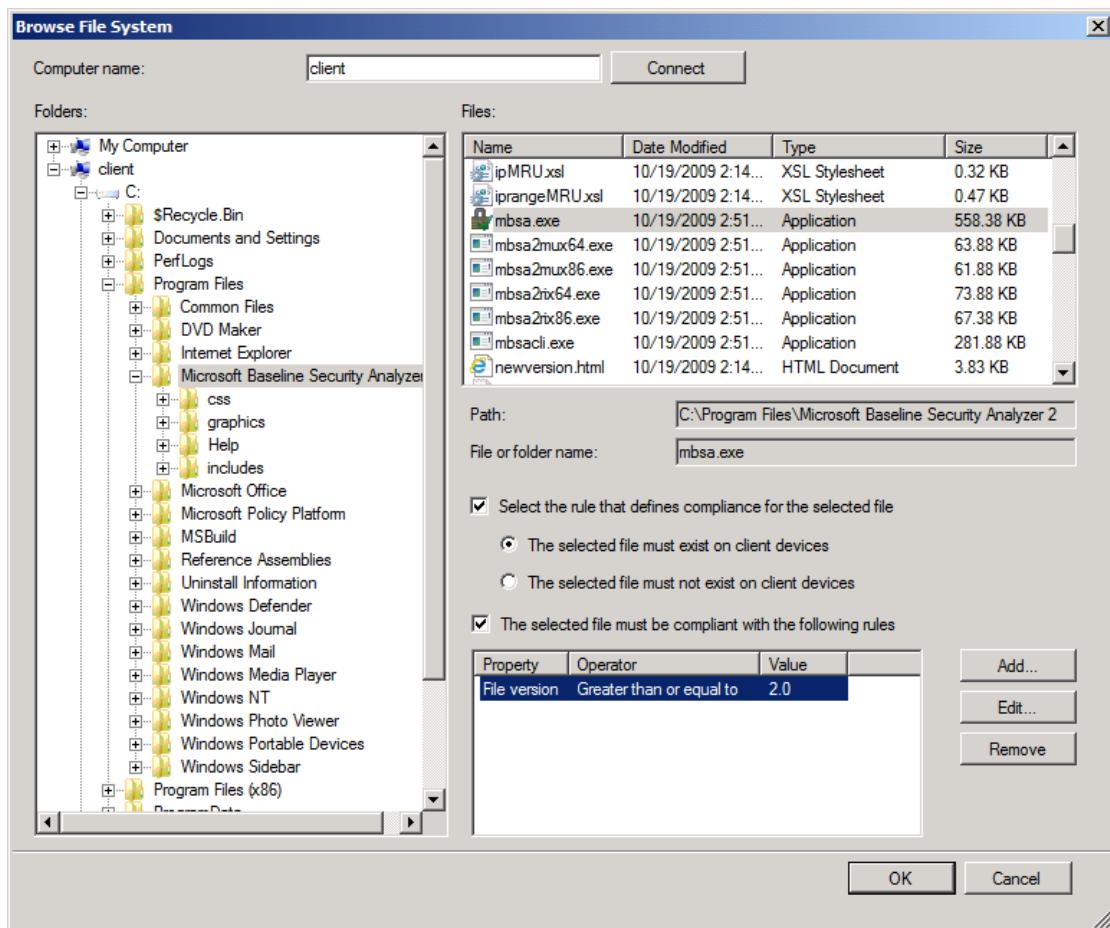
32) In the **Property** box , click **File version** , in the **Operator** box , click **Greater**

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http://blogs.technet.com/b/justin_gao

than or equal to 2.0 :

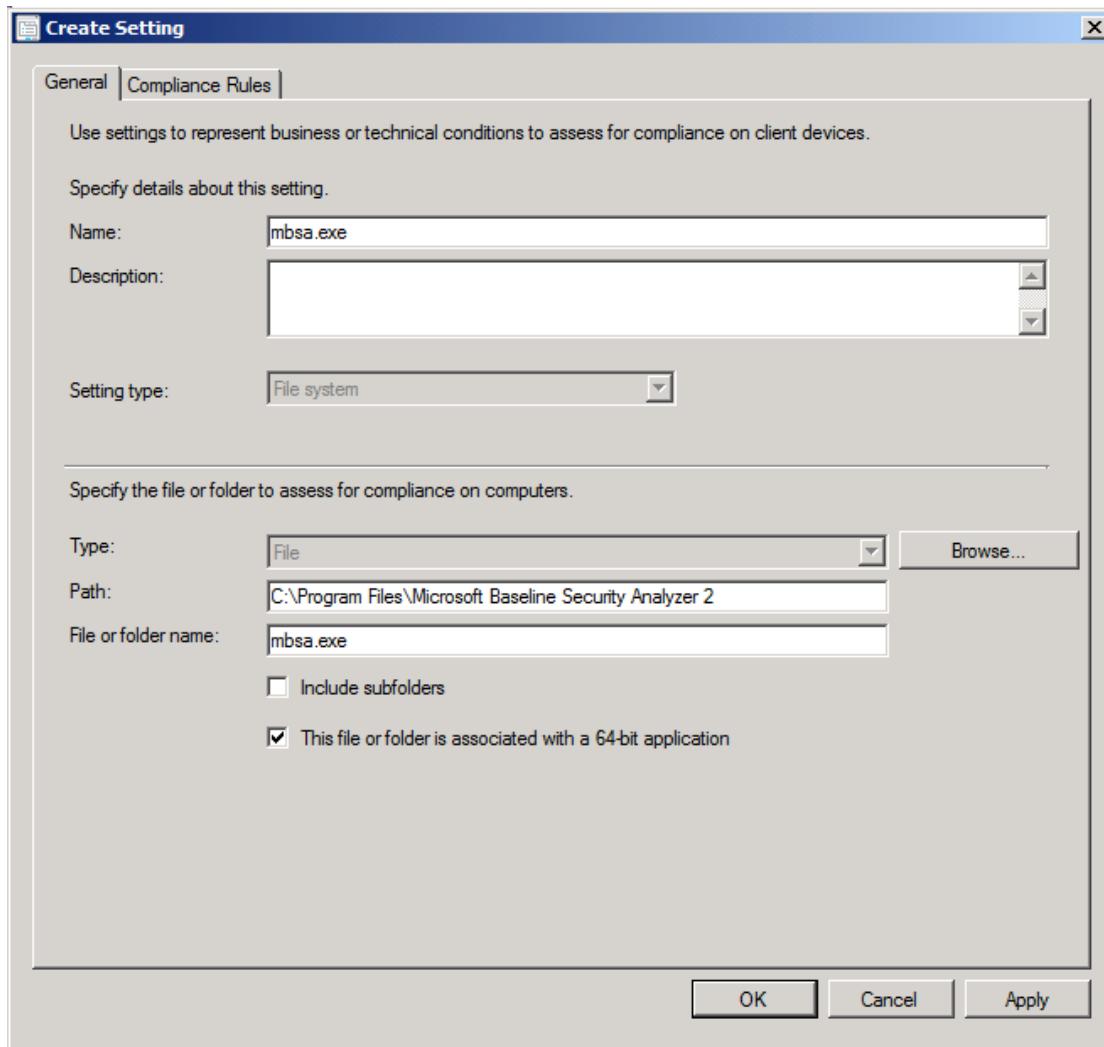


33) Click **OK** , will back to **Browse File System** dialog box :



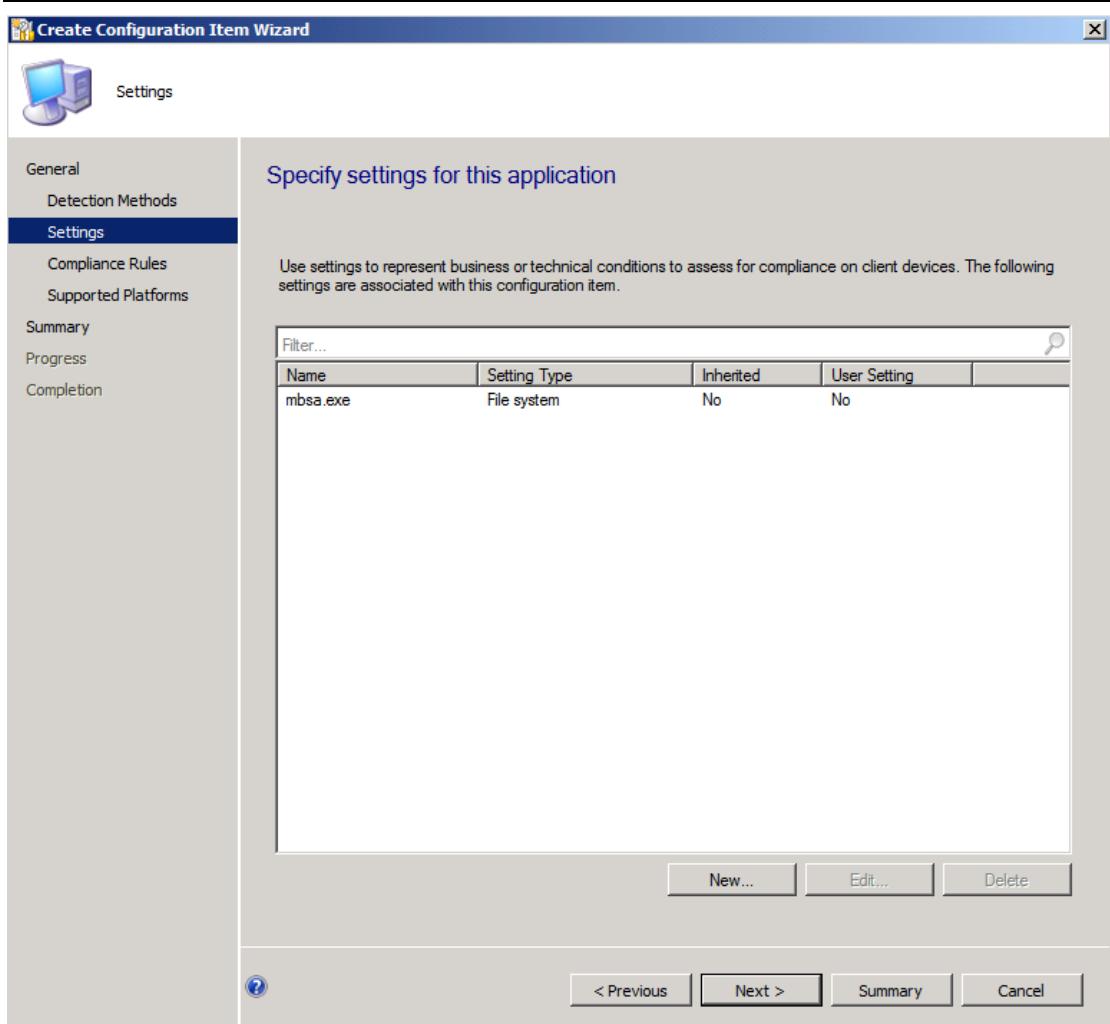
34) Click **OK** , the **Create Setting** dialog box appears displaying the file setting that this configuration item will validate , select **This file or folder is associated**

with a 64-bit application item :



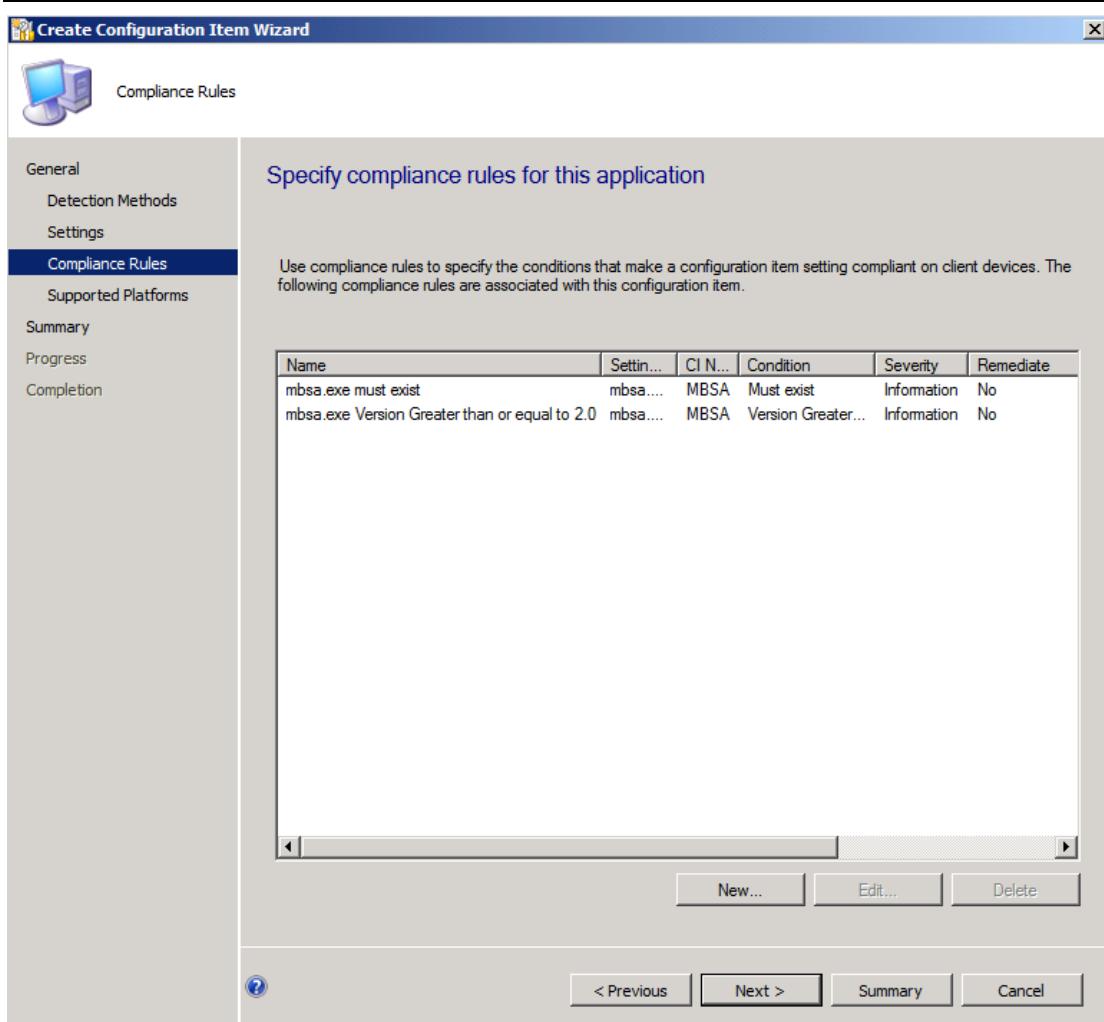
35) Click **OK** , will back to **Settings** page :

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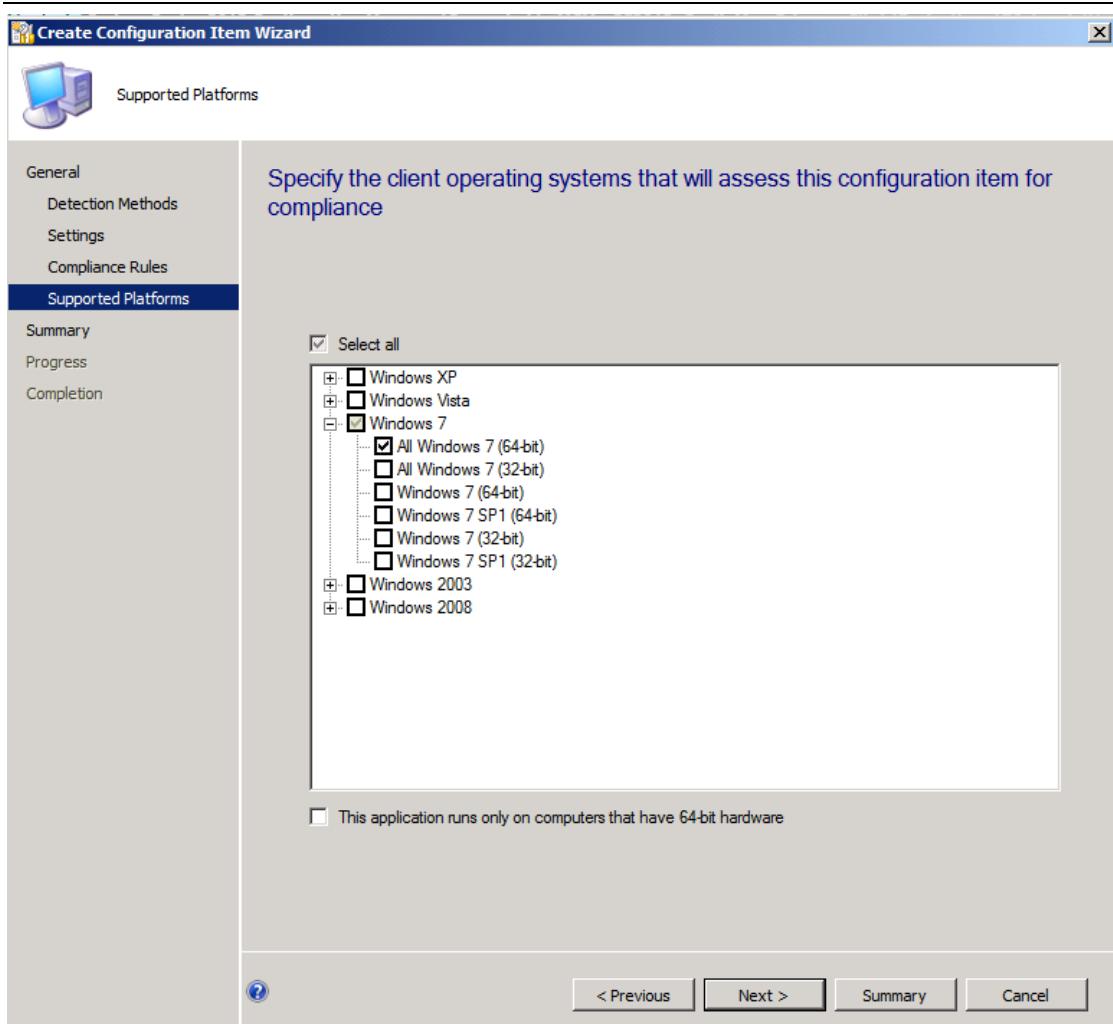
36) Click **Next** , the **Compliance Rules** dialog box appears displaying the compliance rules that this configuration item will validate :

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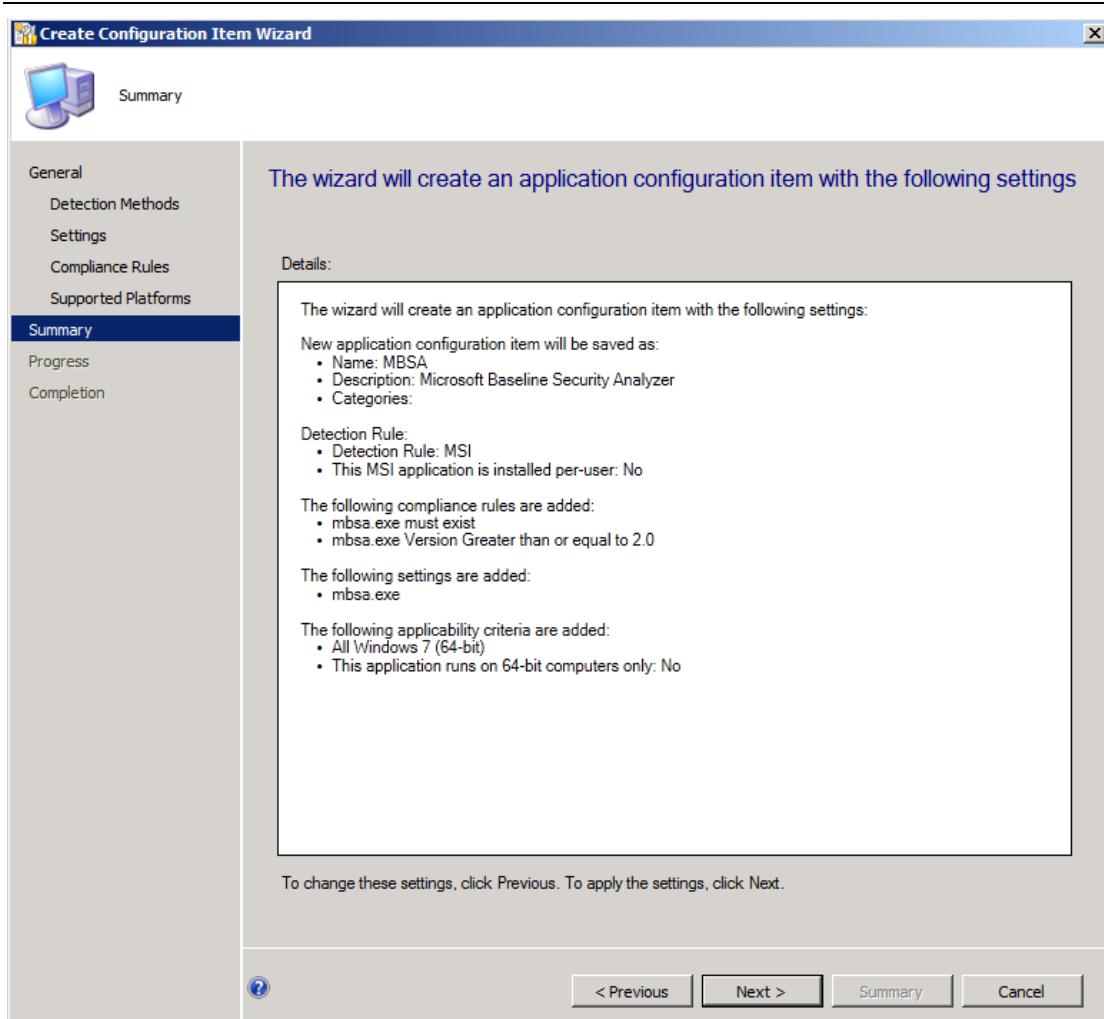
37) Click **Next** , the Supported Platforms dialog box appears allowing you to configure the operating systems that this configuration item is applicable for , in here , I just select **All Windows 7 (64-bit)** item :

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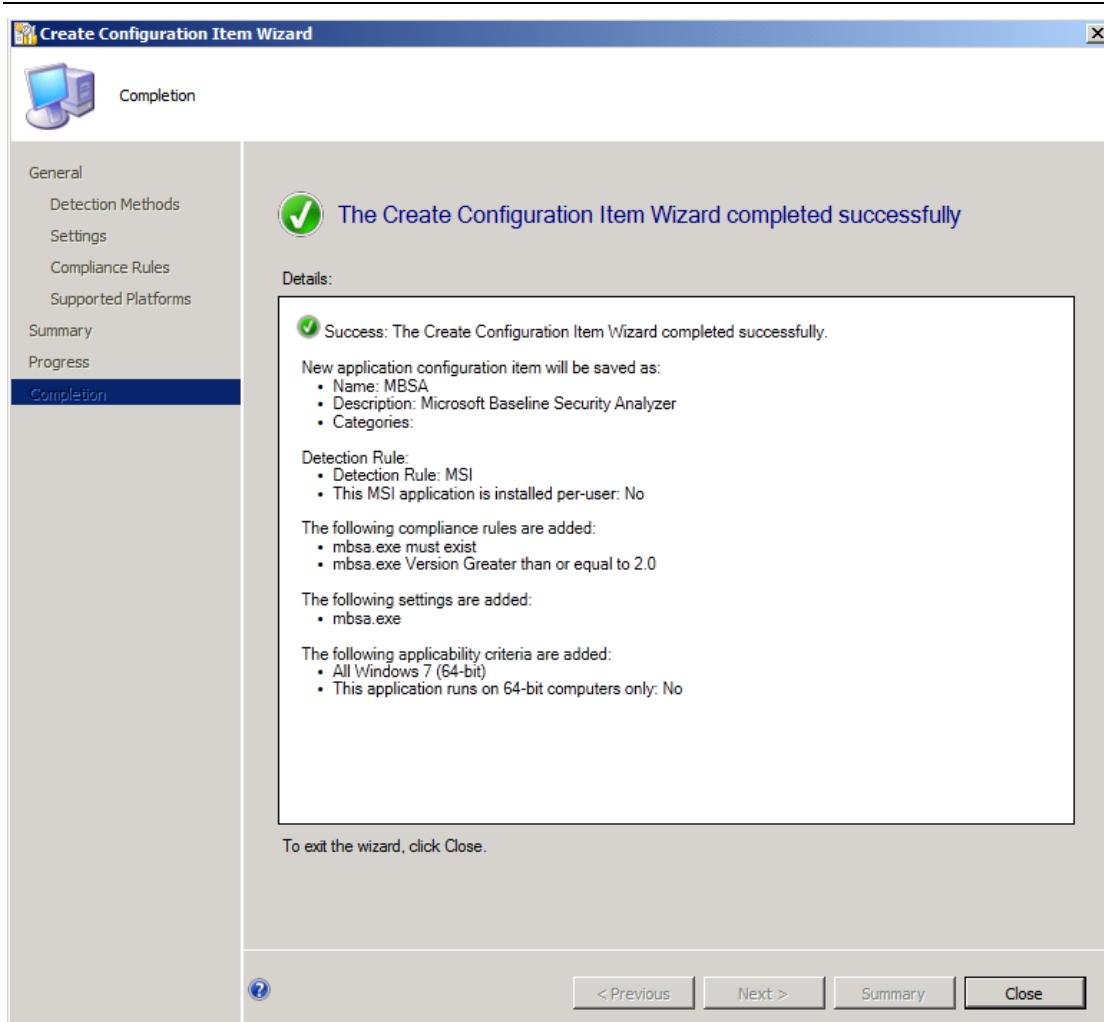
38) Click **Next** , will into **Summary** page :

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39) Click **Next** , the **Completion** dialog box appears indicating that the configuration item has successfully been created :

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40) Click **Close** , you can see just created configuration item :

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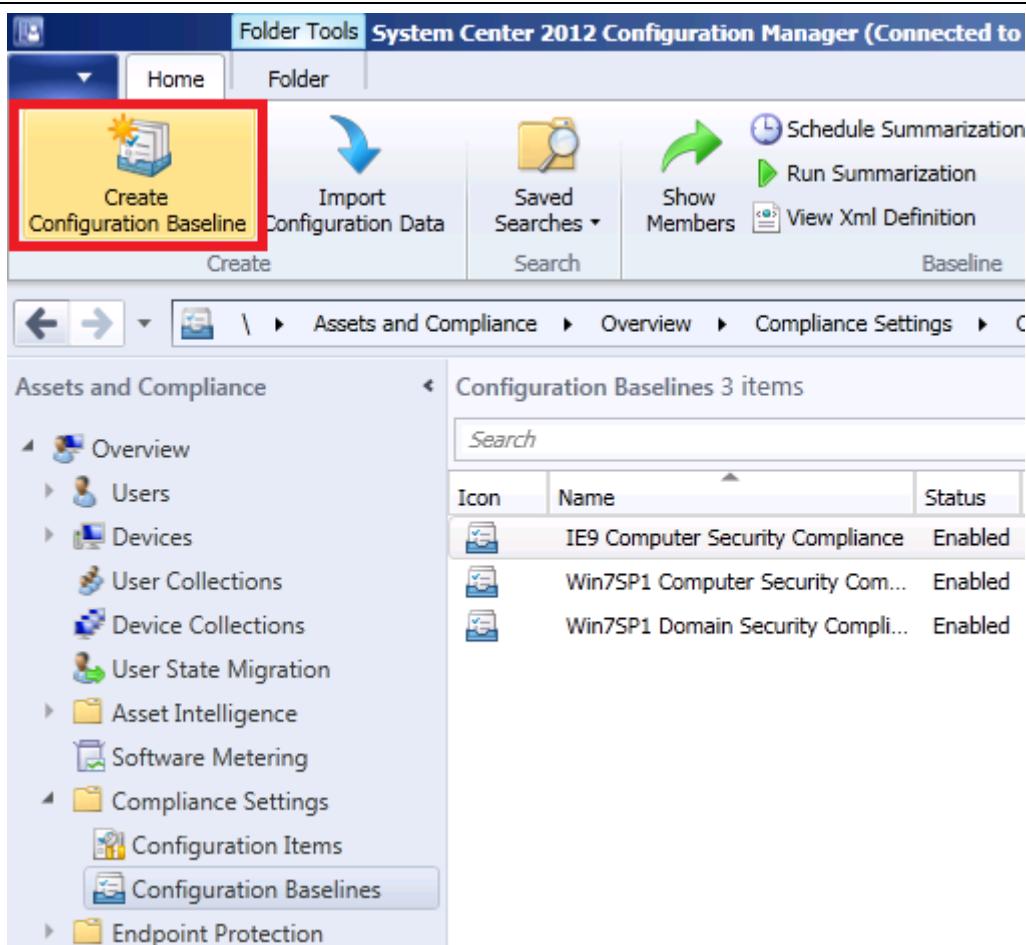
The screenshot shows the System Center 2012 Configuration Manager interface. The ribbon at the top has 'Folder Tools' selected. The main area displays a list of 'Configuration Items' under 'Assets and Compliance > Overview > Compliance Settings > Configuration Items'. There are 27 items listed, including 'Win7SP1 Computer Security Compliance-Beta-Encryption Configuration', 'Win7SP1 Computer Security Compliance-Beta-Authentication Types', and several entries for 'IE9 Computer Security Compliance'. The 'Create' button is highlighted in the ribbon toolbar.

Icon	Name	Type	Device Type	Revision	Child	Rela ⁺
Win7SP1 Computer Security Compliance-Beta-Encryption Configuration	Operating System	Windows	1,000	No	Yes	
Win7SP1 Computer Security Compliance-Beta-Authentication Types	Operating System	Windows	1,000	No	Yes	
MBSA	Application	Windows	1	No	No	
IE9 Computer Security Compliance-Virus and Malware Protection	General	Windows	1,000	No	Yes	
IE9 Computer Security Compliance-Least Privilege	General	Windows	1,000	No	Yes	
IE9 Computer Security Compliance-Least Functionality	General	Windows	1,000	No	Yes	
IE9 Computer Security Compliance-Key Management	General	Windows	1,000	No	Yes	
IE9 Computer Security Compliance-Certificate Management	General	Windows	1,000	No	Yes	
IE9 Computer Security Compliance-Authentication Types	General	Windows	1,000	No	Yes	

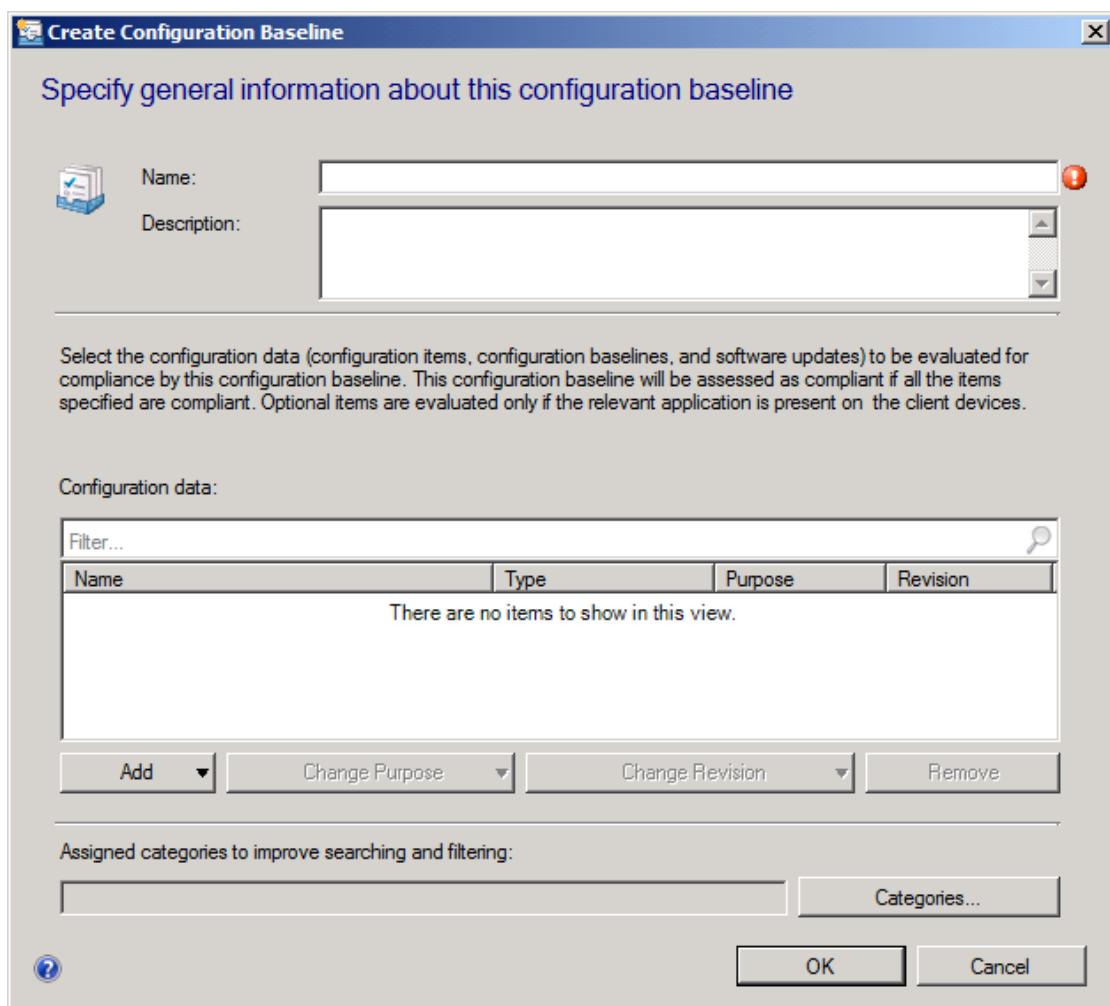
41) Click **Configuration Baselines** , on the **Ribbon** , click **Create**

Configuration Baseline :

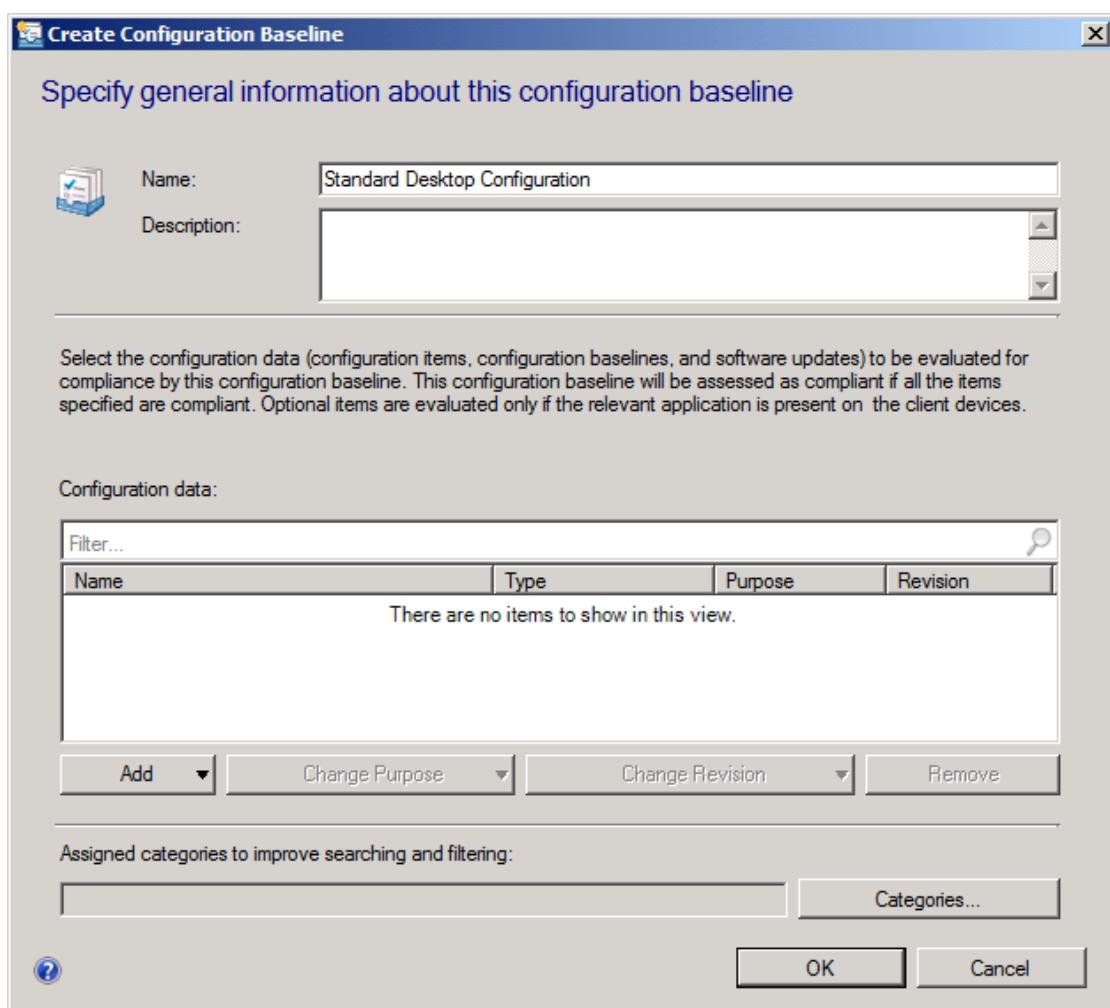
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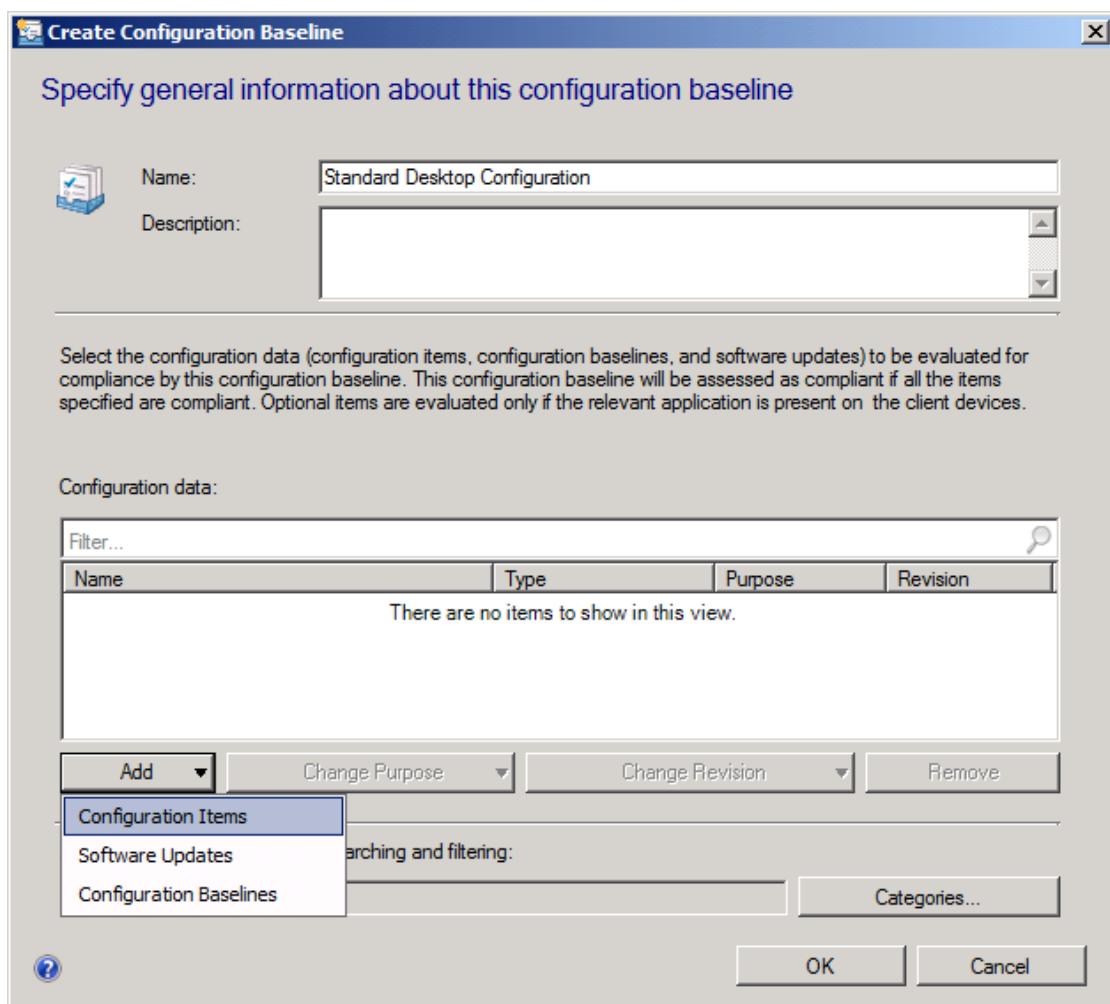
42) The **Create Configuration Baseline** dialog box appears allowing you to name the configuration baseline and add configuration items to the baseline :



43) Type a name in **Name** field :

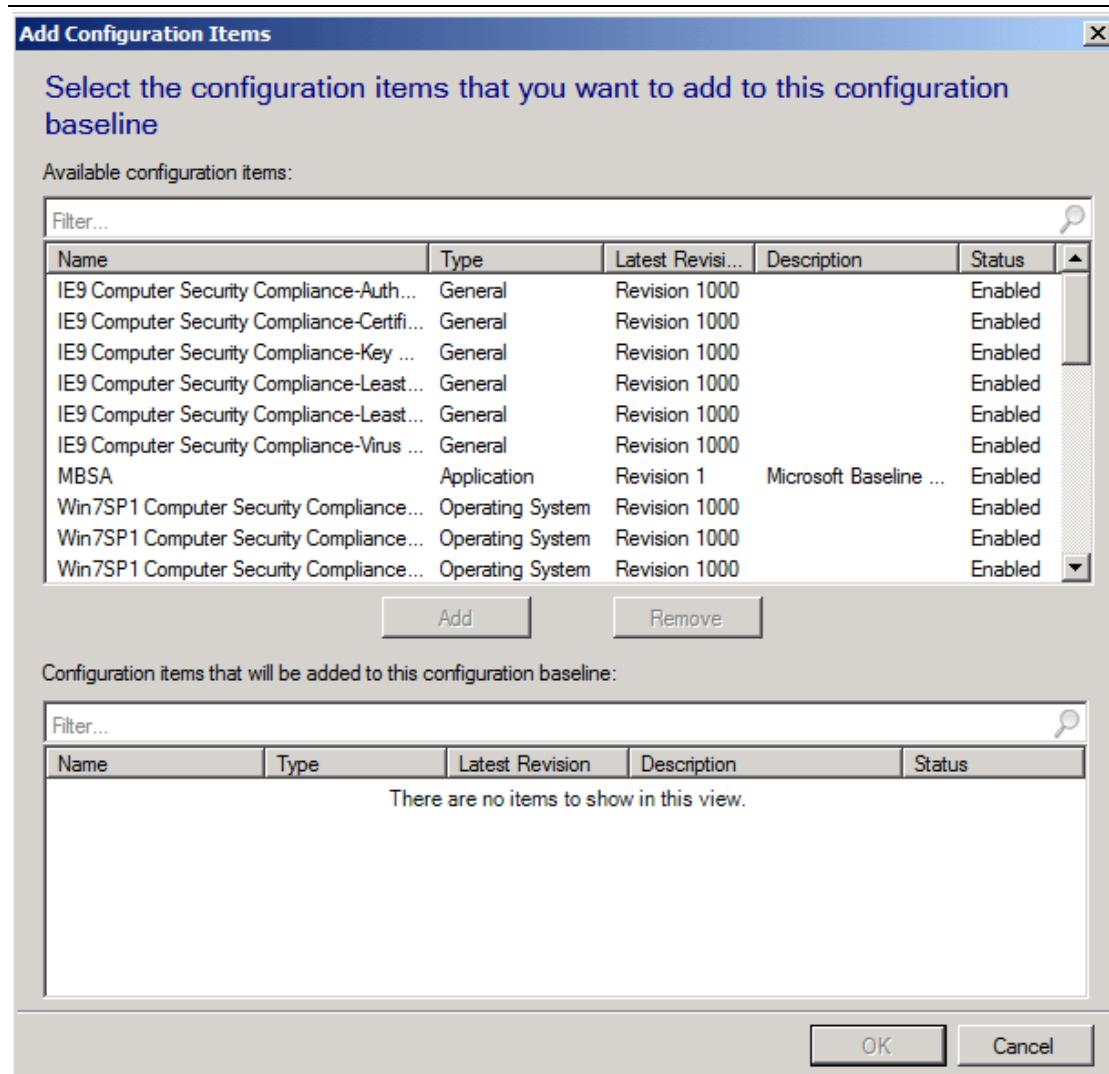


44) Click Add --- Configuration Items :



45) The **Add Configuration Items** dialog box appears allowing you to select the configuration items to be added to the configuration baseline :

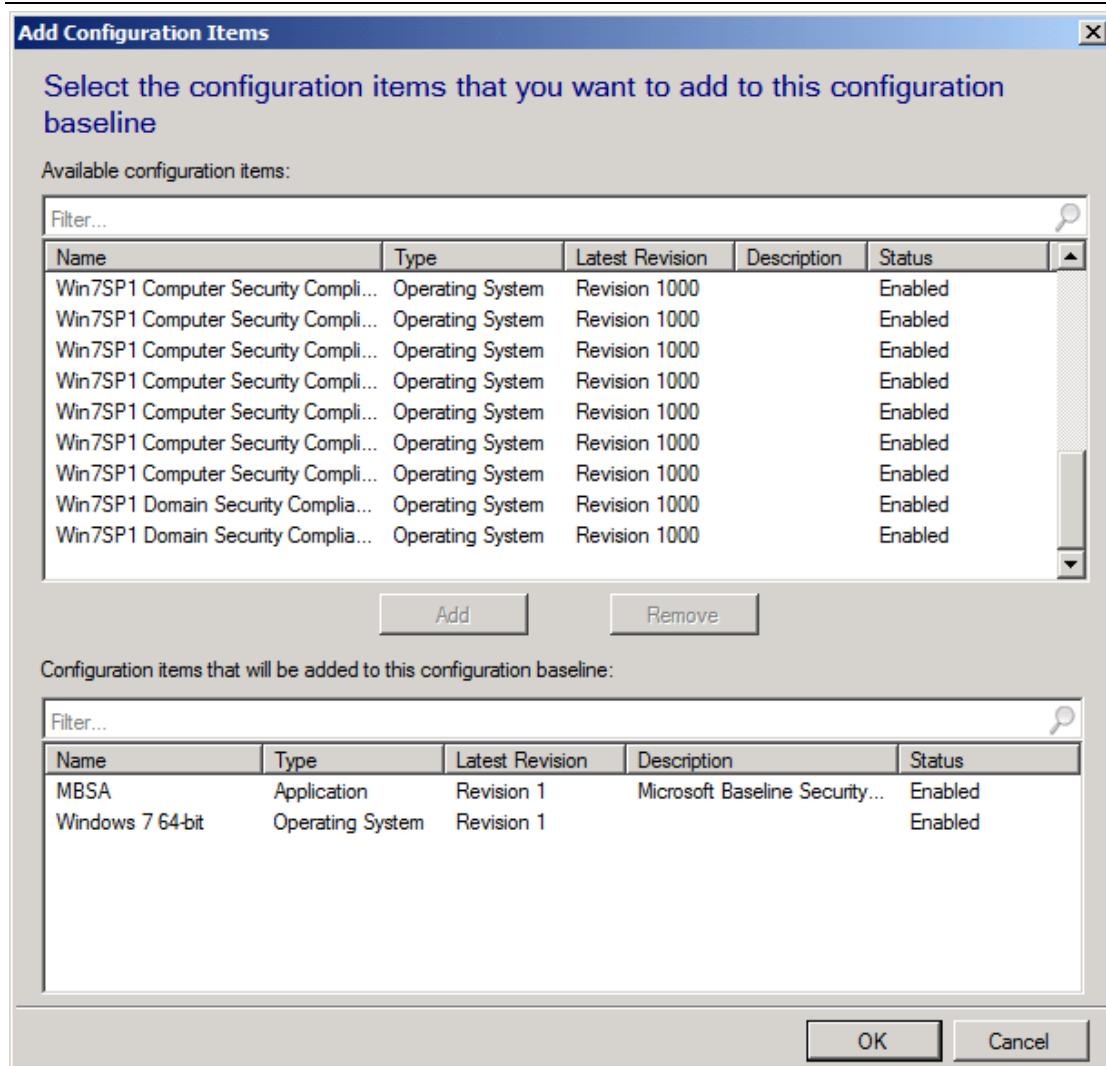
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46) Under Available configuration items , click Windows 7 64-bit and MBSA

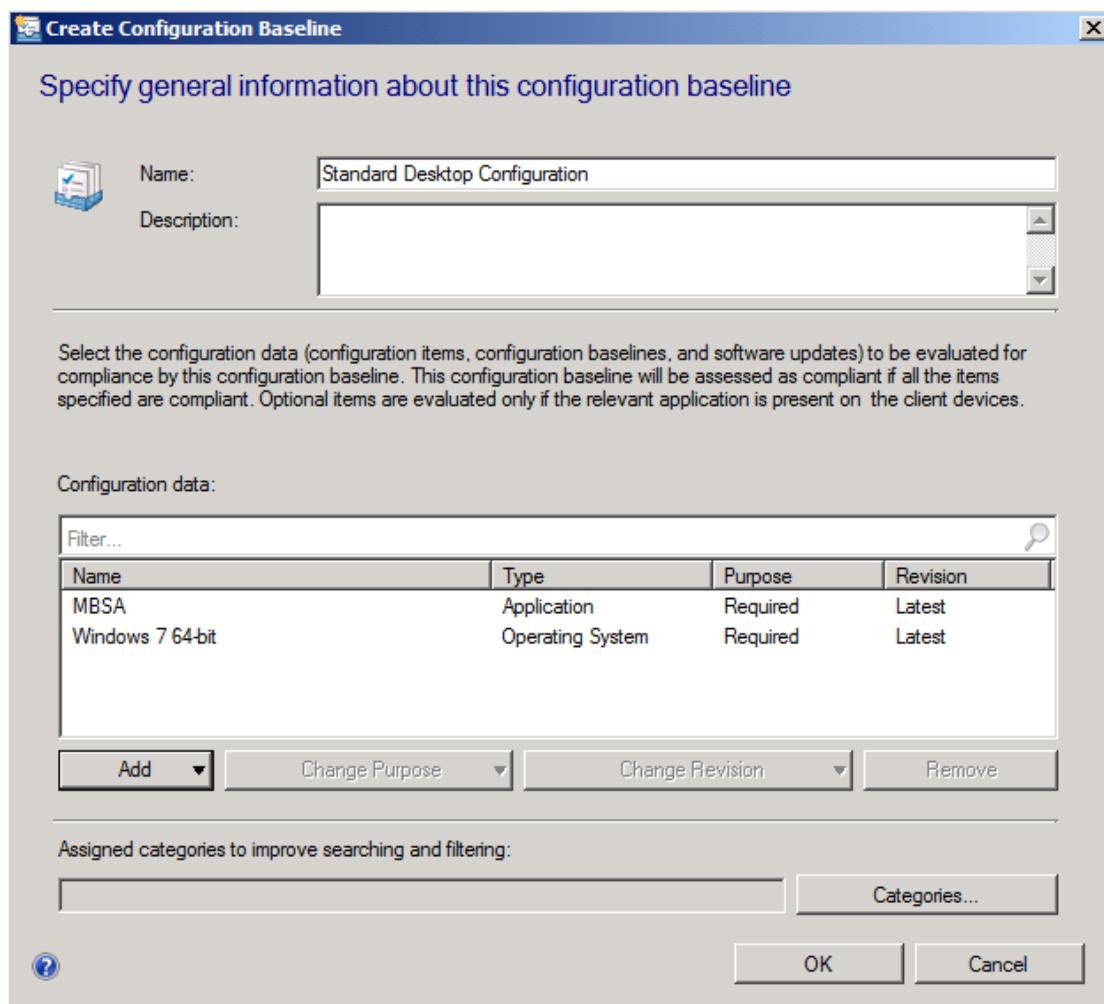
and then click Add :

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47) Click **OK** , the **Create Configuration Baseline** dialog box appears displaying the two configuration items added to this configuration baseline :

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48) Click **OK** , the list of configuration baselines appears in the results pane :

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The screenshot shows the System Center 2012 Configuration Manager ribbon interface. The ribbon tabs include Home, Folder, Tools, and System Center 2012 Configuration Manager (Connected to MCM - SC2012_ConfigMgr_Primary_Site) (Evaluation, 174 days left). The Home tab is selected. The ribbon contains various icons for creating baselines, importing data, scheduling summarization, running summarization, enabling/disabling, copying, moving, deploying, categorizing, setting security scopes, and properties.

The main content area displays a list of Configuration Baselines:

Icon	Name	Status	Deplo...	User S...	Date Mod...	Complianc...	Noncomplian...	Failure Co...	Modified By
IE9 Computer Security Compliance	Enabled	No	No	3/19/201...	0	0	0	0	CONTOSO\...
Standard Desktop Configuration	Enabled	No	Yes	3/20/201...	0	0	0	0	CONTOSO\...
Win7SP1 Computer Security Com...	Enabled	No	No	3/19/201...	0	0	0	0	CONTOSO\...
Win7SP1 Domain Security Compli...	Enabled	No	No	3/19/201...	0	0	0	0	CONTOSO\...

Below the list, a detailed view of the "Standard Desktop Configuration" baseline is shown under "Standard Desktop Configuration". The "General" section lists properties like Type (Configuration Baseline), Relationships (No), Date Created (3/20/2012 5:11 AM), Date Modified (3/20/2012 5:11 AM), Created By (CONTOSO\Administrator), Modified By (CONTOSO\Administrator), Categories, and Description. The "Compliance Statistics" section shows values: Compliance Count (0), Noncompliance Count (0), and Failure Count (0).

49) Now I will deploy this Configuration Baseline to collection . Click just created configuration baseline and click Deploy in Ribbon :

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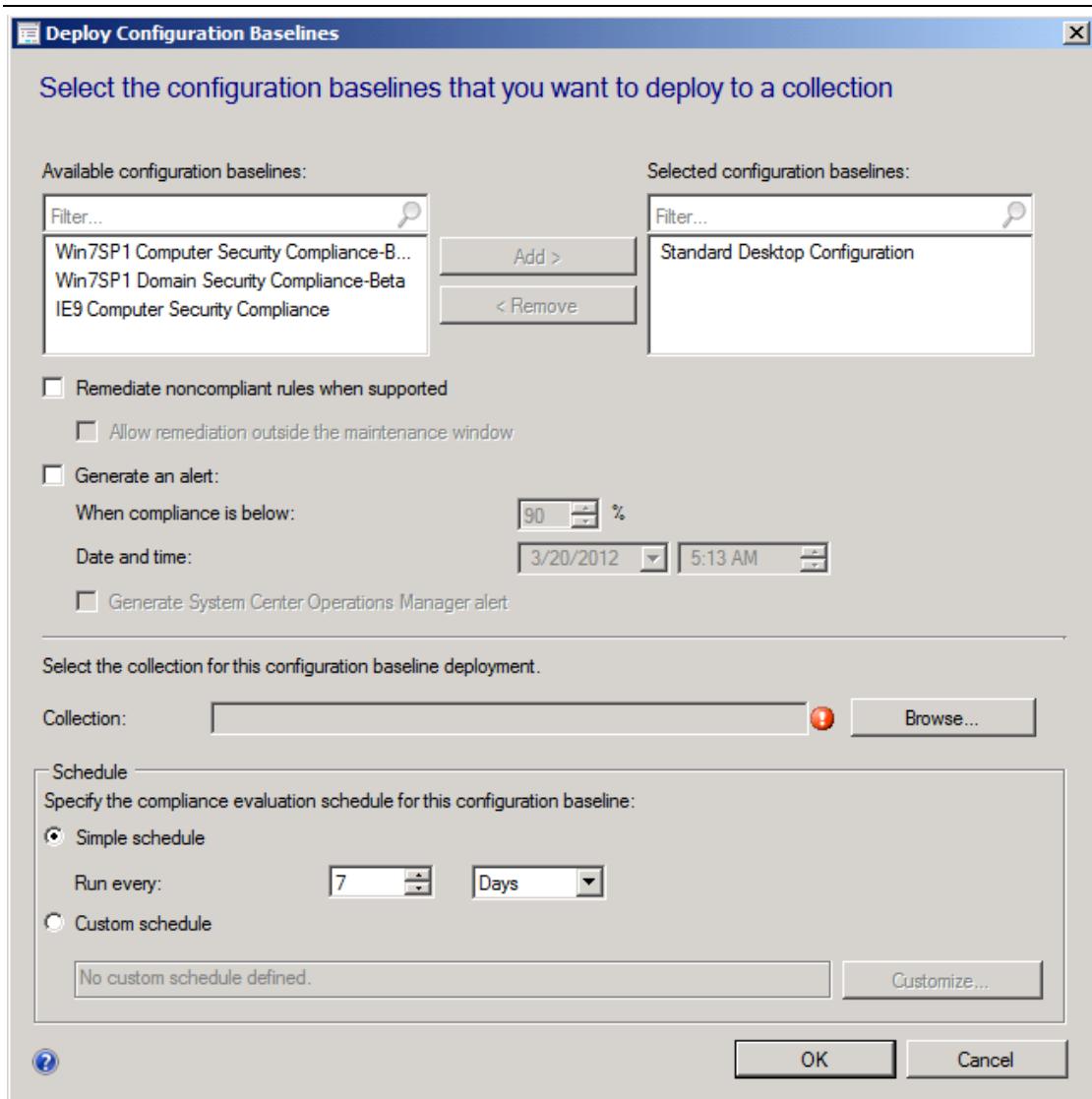
The screenshot shows the System Center 2012 Configuration Manager interface. The title bar reads "System Center 2012 Configuration Manager (Connected to MCM - SC2012_ConfigMgr_Primary_Site)". The ribbon has tabs for Home and Folder. Under the Home tab, there are buttons for Create Configuration Baseline, Import Configuration Data, Saved Searches, Show Members, Schedule Summarization, Run Summarization, Enable, Copy, Disable, Refresh, Export, Delete, and Deploy. The Deploy button is highlighted with a red box. The navigation pane on the left shows "Assets and Compliance" with sections like Overview, Users, Devices, User Collections, Device Collections, User State Migration, Asset Intelligence, Software Metering, Compliance Settings, Configuration Items, Configuration Baselines (which is selected), and Endpoint Protection. The main content area shows "Configuration Baselines 4 items" with a table:

Icon	Name	Status	Deplo...	User S...	Date Mod...	Compliance...
IE9 Computer Security Compliance	Enabled	No	No	3/19/201...	0	
Standard Desktop Configuration	Enabled	No	Yes	3/20/201...	0	
Win7SP1 Computer Security Com...	Enabled	No	No	3/19/201...	0	
Win7SP1 Domain Security Compli...	Enabled	No	No	3/19/201...	0	

Below the table, a section titled "Standard Desktop Configuration" is shown with tabs for General and Compliance Statistics. The General tab shows "Type: Configuration Baseline".

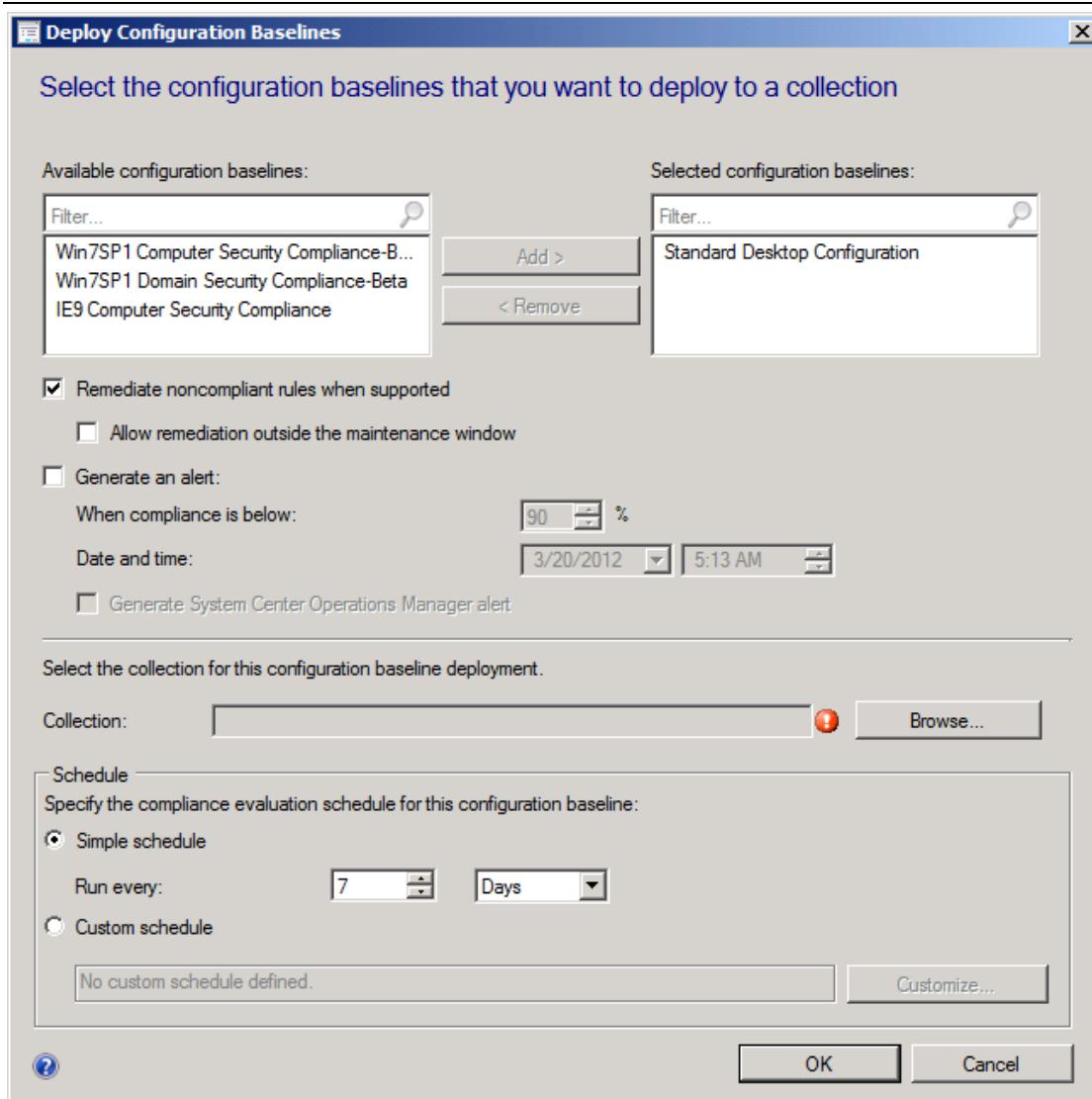
50) The **Deploy Configuration Baselines** dialog box appears allowing you to configure the deployment of the configuration baseline :

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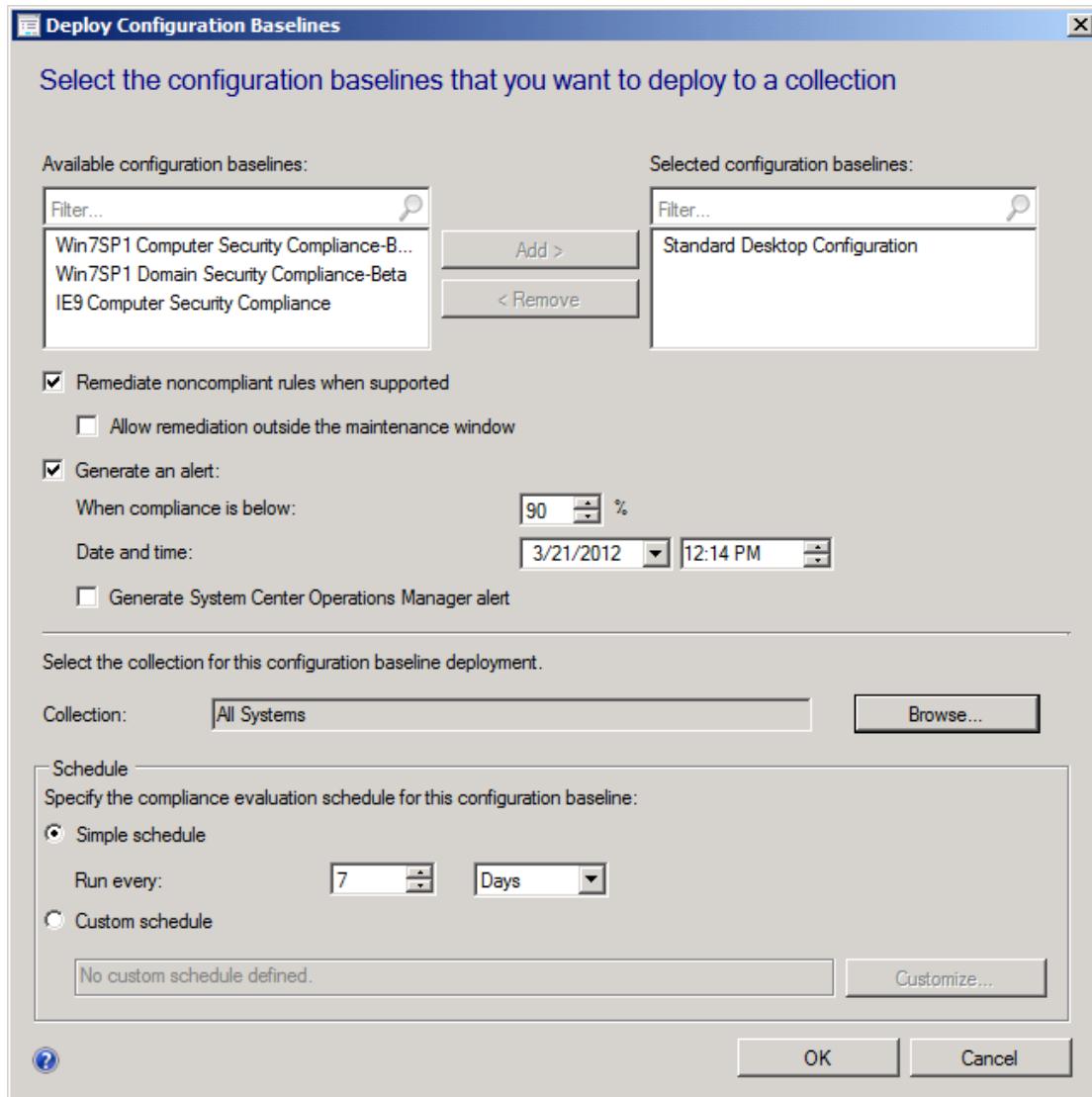
51) Click **Remediate noncompliant rules when supported :**

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Note :Configuring this option will allow the client to be remediated to become compliant. However, notice that by default, remediation occurs only during applicable maintenance windows. This is because remediation could potentially cause a system restart. In our lab environment, we don't have any maintenance windows configured, so it is not applicable. In your production environments, you may need to configure the option to allow remediation to occur outside maintenance windows.

52) Click **Generate an alert**, and then in the **When compliance is below**, verify that the compliance percentage is set to **90**. After **Collection**, click **Browse**, under **Select Collection**, click **Device Collections**, select **All Systems** collection:



53) Click **OK**, you can see just configured configuration baseline has **Deployed**:

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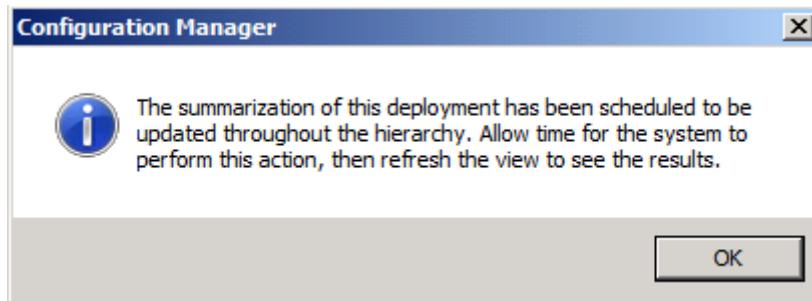
The screenshot shows the System Center 2012 Configuration Manager interface. The title bar reads "System Center 2012 Configuration Manager (Connected to MCM - SC2012_ConfigMgr_Primary)". The ribbon has tabs for Home, Folder, and System Center 2012 Configuration Manager. The Home tab is selected. The ribbon toolbar includes buttons for Create Configuration Baseline, Import Configuration Data, Saved Searches, Show Members, Schedule Summarization, Run Summarization, View XML Definition, Enable, Copy, Disable, Refresh, Export, Delete, Deploy, and Deployments. Below the ribbon is a breadcrumb navigation path: Assets and Compliance > Overview > Compliance Settings > Configuration Baselines. On the left, a navigation pane shows categories like Overview, Users, Devices, User Collections, Device Collections, User State Migration, Asset Intelligence, Software Metering, Compliance Settings, Configuration Items, Configuration Baselines (which is selected), and Endpoint Protection. The main content area displays a table titled "Configuration Baselines 4 items". The table columns are Icon, Name, Status, Deployed, and User Setting. The rows show four baselines: IE9 Computer Security Compliance (Enabled, No, No), Standard Desktop Configuration (Enabled, Yes, Yes), Win7SP1 Computer Security Compliance-Beta (Enabled, No, No), and Win7SP1 Domain Security Compliance-Beta (Enabled, No, No).

54) Click the **Monitoring** workspace , click **Deployments** , the **Standard Desktop Configuration** baseline appears :

The screenshot shows the System Center 2012 Configuration Manager interface with the Monitoring workspace selected. The ribbon has tabs for Home, Monitoring, Overview, Deployments, and Properties. The Monitoring tab is selected. The ribbon toolbar includes buttons for Saved Searches, View Status, Run Summarization, Deployment, and Properties. Below the ribbon is a breadcrumb navigation path: Monitoring > Overview > Deployments. On the left, a navigation pane shows categories like Overview, Alerts, Queries, Reporting, Site Hierarchy, System Status, Deployments (which is selected), Client Status, Database Replication, Distribution Status, Software Update Point Synchronization, and System Center 2012 Endpoint Protection. The main content area displays a table titled "Deployments 3 items". The table columns are Icon, Software, Collection, Purpose, Action, Feature Type, Compliance %, and Date Created. The rows show three deployments: Microsoft Baseline Security Analyzer (All Users, Available, Install, Application, 100.0%, 3/19/2012 10:...), Office Professional Plus 2010 (All Users and U..., Available, Install, Application, 100.0%, 3/18/2012 3:0...), and Standard Desktop Configuration (All Systems, Required, Remediate, Baseline, 0.0, 3/20/2012 5:1...). Below the table is a section titled "Standard Desktop Configuration Status to All Systems" with tabs for General, Compliance Statistics, and Related Objects. The General tab shows details for the Standard Desktop Configuration: Software (Standard Desktop Configuration), Collection (All Systems), Feature Type (Baseline), Purpose (Required), and Date Created (3/20/2012 5:15 AM). The Compliance Statistics tab shows a circular gauge with the text "No Data (Last Update: Never)" and a legend indicating Compliant: 0, Error: 0, Non-Compliant: 0, and Unknown: 0. The Related Objects tab shows links to Collection and Baseline.

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55) On the **Ribbon** , click **Run Summarization** , a **Configuration Manager** message box appears indicating that the summarization will occur throughout the hierarchy :



56) Click **OK** and then refresh the **Standard Desktop Configuration** baseline , The baseline compliance is summarized and the updated data is displayed in the preview pane. Updated data will available after clients have run the evaluation of the baseline. At this time, all systems are "**Unknown**" as they have not scanned for or reported compliance with this baseline :

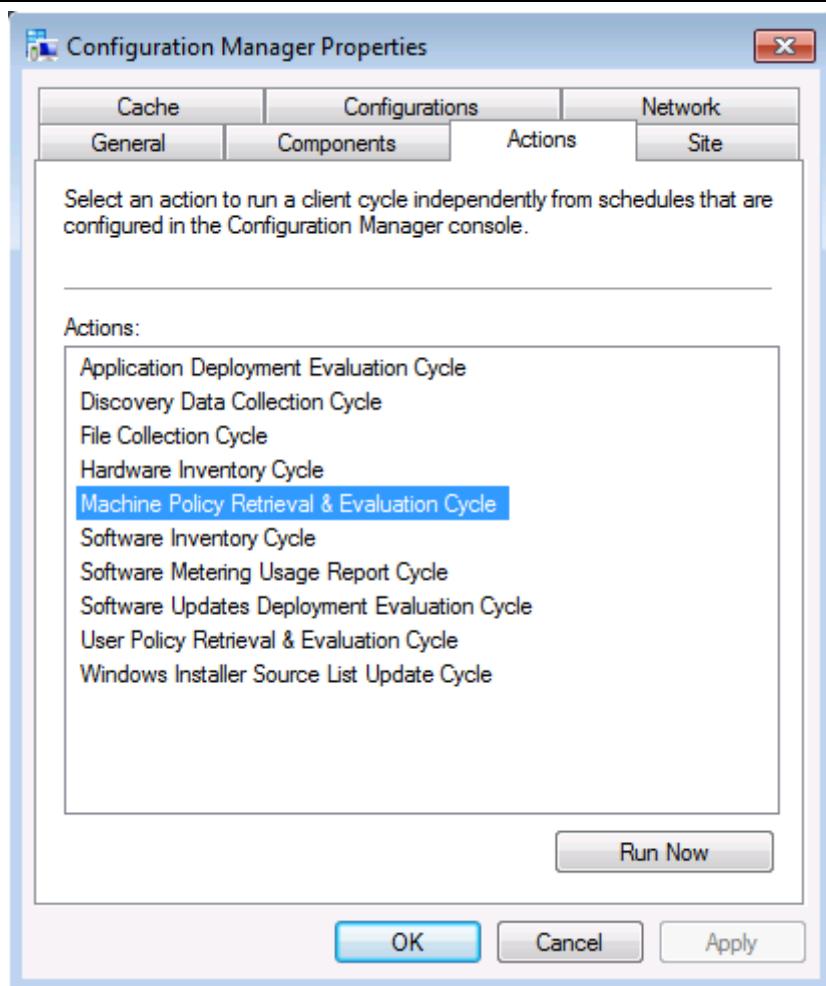
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The screenshot shows the System Center 2012 Configuration Manager interface. The left navigation pane is titled 'Monitoring' and includes 'Overview', 'Alerts', 'Queries', 'Reporting', 'Site Hierarchy', 'System Status', 'Deployments' (which is selected), 'Client Status', 'Database Replication', 'Distribution Status', 'Software Update Point Synchronization', and 'System Center 2012 Endpoint Protection'. The main content area displays a table titled 'Deployments 3 items' with columns: Icon, Software, Collection, Purpose, Action, Feature Type, Compliance %, and Date Created. The table lists three items: Microsoft Baseline Security Analyzer, Office Professional Plus 2010, and Standard Desktop Configuration. Below the table, a section titled 'Standard Desktop Configuration Status to All Systems' provides general information and a compliance statistics chart. The chart shows 5 compliant assets, 0 errors, 0 non-compliant, and 5 unknown assets. It also displays the total asset count of 5 and the last update time of 3/20/2012 5:17:03 AM.

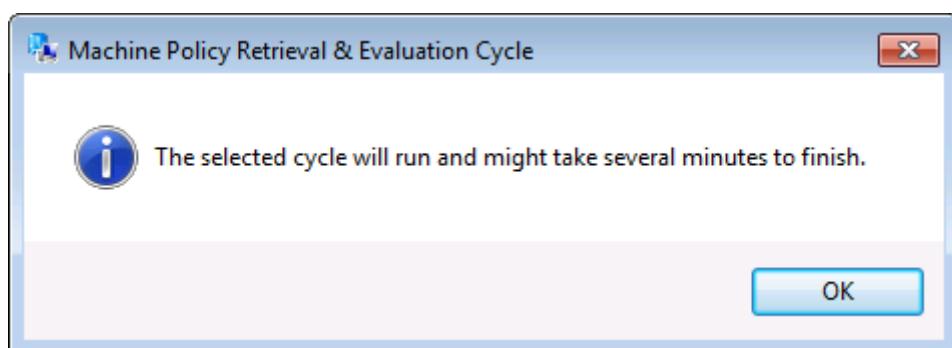
Icon	Software	Collection	Purpose	Action	Feature Type	Compliance %	Date Created
Microsoft Baseline Security Analyzer	All Users	Available	Install	Application	100.0	3/19/2012 10:...	
Office Professional Plus 2010	All Users and U...	Available	Install	Application	100.0	3/18/2012 3:0...	
Standard Desktop Configuration	All Systems	Required	Remediate	Baseline	0.0	3/20/2012 5:1...	

57) Logon to **Client** computer , open **Control Panel** , click **System and Security** , and then click **Configuration Manager** . In **Actions** tab , click **Machine Policy Retrieval & Evaluation Cycle** , and then **Run Now** :

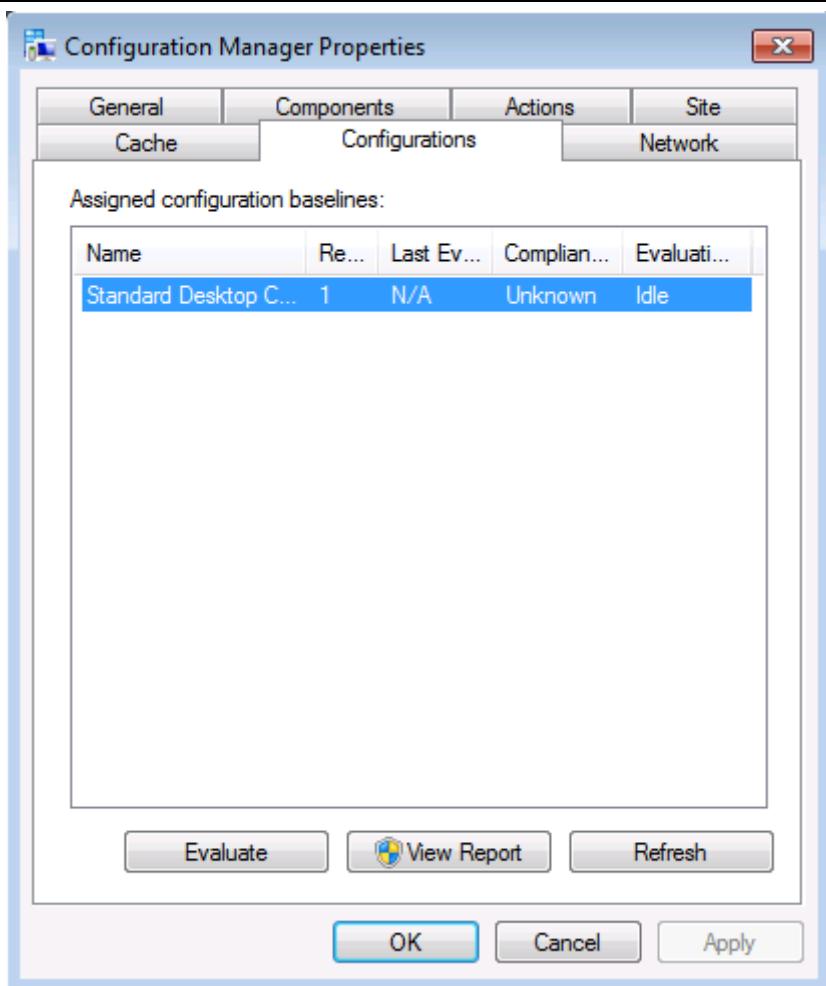
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58) A **Machine Policy Retrieval & Evaluation Cycle** message box appears indicating that the action may take a few minutes to complete :

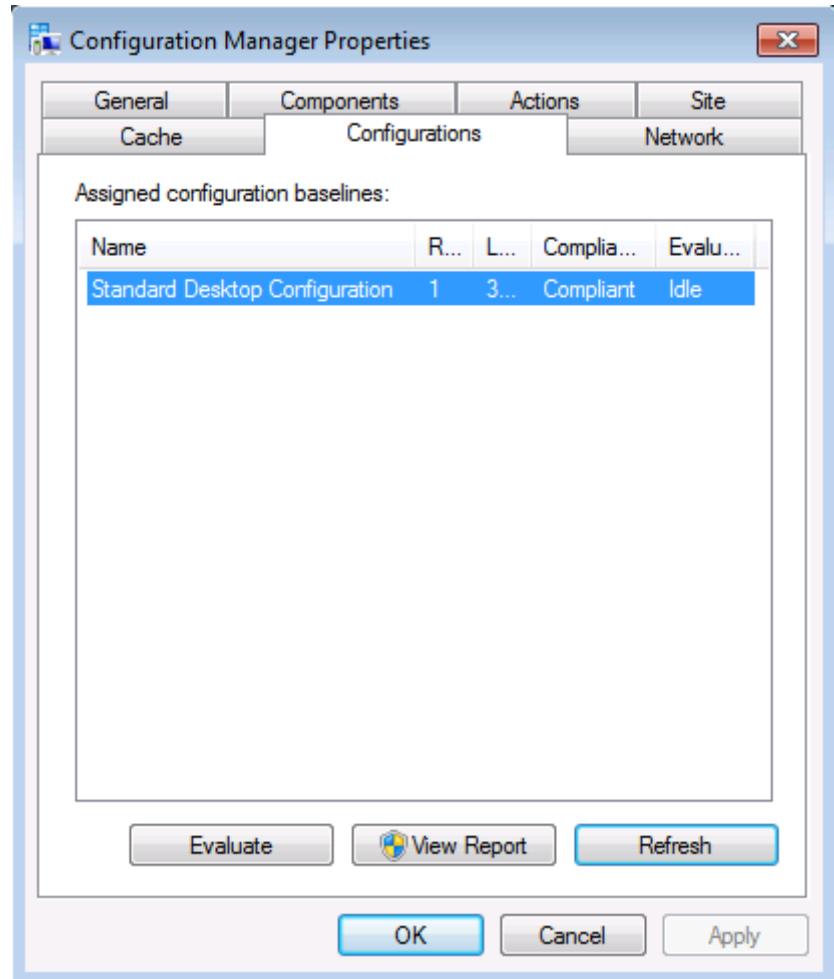


59) Click **OK** . Then click **Configurations** tab :



60) Under **Name** , click **Standard Desktop Configuration** , and then click **Evaluate** , the baseline is evaluated on demand. Configuration Manager 2012 automatically implements a random cycle for initial baseline evaluation of up to two hours. This is to prevent a flood of compliance state messages upon new baseline deployment. When complete, the **Configuration Manager Properties** dialog box appears displaying the compliance state for the "Standard desktop configuration" baseline has been evaluated. This should be listed as being "**Compliant**" for the client computer. If you run the baseline evaluation on the site server, it will report "**Non-Compliant**".

61) Then click **Refresh** will display “**Compliant**” :



62) Click **View Report** , you can see details information :

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Report View | **Xml View**

COMPUTER NAME: CLIENT
EVALUATION TIME: 3/20/2012 5:18:37 AM

BASELINE NAME: Standard Desktop Configuration
REVISION: 1
COMPLIANCE STATE: Compliant
NON-COMPLIANCE SEVERITY: None
DESCRIPTION:

Summary:

Name	Revision	Type	Baseline Policy	Compliance State	Non-Compliance Severity	Discovery Failures	Non-Compliant Rules
Standard Desktop Configuration	1	Baseline		Compliant	None	0	0
MBSA	1	Application Configuration	Required	Compliant	None	0	0
Windows 7 64-bit	1	Operating System Configuration Item	Required	Compliant	None	0	0

Details:

NAME: Standard Desktop Configuration
TYPE: Baseline
REVISION: 1
COMPLIANCE STATE: Compliant
NON-COMPLIANCE SEVERITY: None
DESCRIPTION:

NAME: MBSA
TYPE: Application Configuration
REVISION: 1
COMPLIANCE STATE: Compliant
NON-COMPLIANCE SEVERITY: None
DESCRIPTION: Microsoft Baseline Security Analyzer

NAME: Windows 7 64-bit
TYPE: Operating System Configuration Item
REVISION: 1
COMPLIANCE STATE: Compliant
NON-COMPLIANCE SEVERITY: None
DESCRIPTION:

Remediated Rules:

Remediated Rule:

Rule Name	Rule Description	Setting Name	Setting Type	Setting Description	Instance	
fDenyTSConnections Equals 0		fDenyTSConnections	Registry Value		Expression	Instance Source
					Equals 0	Location = [Is64Bit=false]HKEY_LOCAL_MACHINE\SYSTEM\Server, Property = fDenyTS

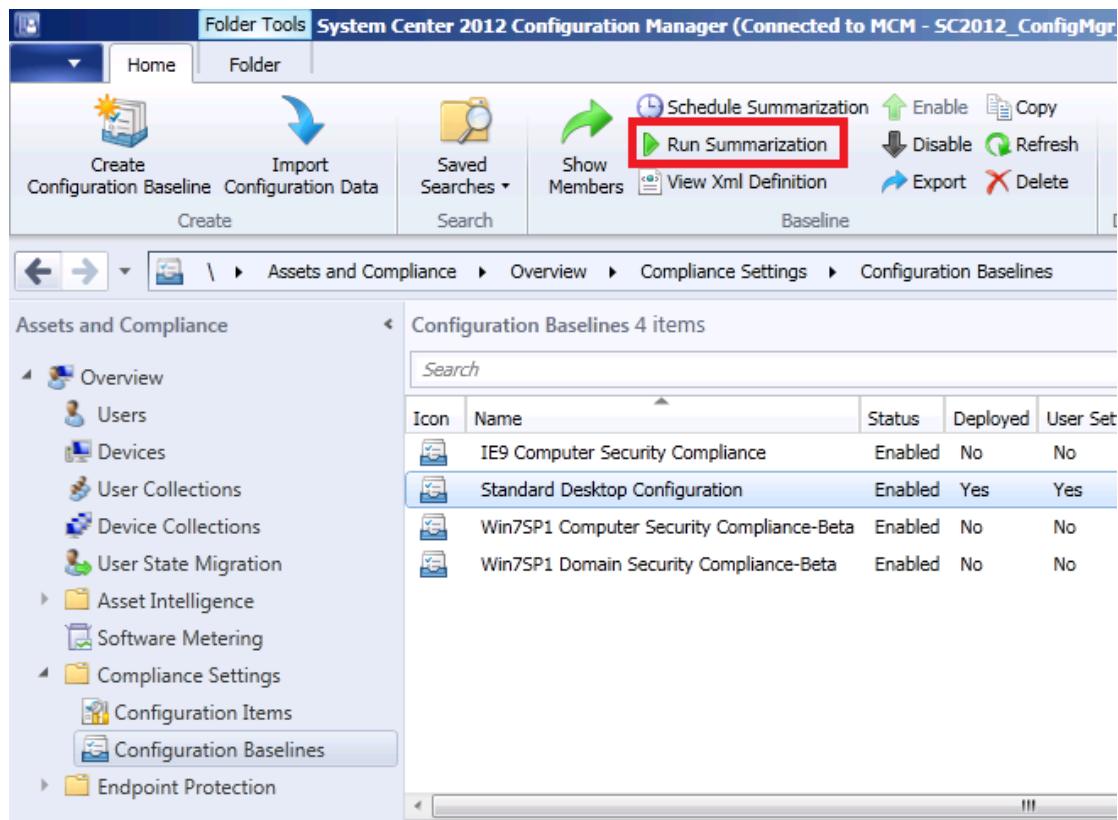
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Instance Data						
	Setting Type	Setting Description	Expression	Instance Source	Previous Value	Remediated Value
ctions	Registry Value		Equals 0 [Is64Bit=false]HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Terminal Server, Property = fDenyTSConnections	Location =	1	0

63) Open **Regedit.exe** , find **fDenyTSConnections** value , confirm this **REG_DWORD** data is changed to **0** :

Name	Type	Data
(Default)	REG_SZ	(value not set)
AllowRemoteRPC	REG_DWORD	0x00000000 (0)
DelayConMgrTimeout	REG_DWORD	0x00000000 (0)
DeleteTempDirsOnExit	REG_DWORD	0x00000001 (1)
fDenyTSConnections	REG_DWORD	0x00000000 (0)
fSingleSessionPerUser	REG_DWORD	0x00000001 (1)
InstanceID	REG_SZ	d3b854ff-e083-454e-a8ee-000000000000
NotificationTimeOut	REG_DWORD	0x00000000 (0)
PerSessionTempDir	REG_DWORD	0x00000000 (0)
ProductVersion	REG_SZ	5.1
RaiShowallNotifyIcons	REG_DWORD	0x00000001 (1)
RCDependentServices	REG_MULTI_SZ	CertPropSvc SessionEnv
RDPVGCInstalled	REG_DWORD	0x00000001 (1)
SnapshotMonitors	REG_SZ	1
StartRCM	REG_DWORD	0x00000000 (0)
TSAdvertise	REG_DWORD	0x00000000 (0)
TSUserEnabled	REG_DWORD	0x00000000 (0)

64) Logon to **ConfigMgr2012** server , click **Assets and Compliance** workspace , in the results pane , click **Standard Desktop Configuration** , and then on the **Ribbon** , click **Run Summarization** :



65) Refresh the **Configuration Baselines** node , in the results pane , click the **Standard Desktop Configuration** , in the preview pane , click the **Deployments** tab :

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The screenshot shows the System Center 2012 Configuration Manager interface. The top navigation bar indicates it is connected to MCM - SC2012_ConfigMgr_Primary_Site (Evaluation, 174 days left). The main window displays the 'Assets and Compliance' workspace, specifically the 'Compliance Settings' section under 'Configuration Baselines'. A list of four baselines is shown:

Icon	Name	Status	Deployed	User Setting	Date Mod...	Complianc...	Noncomplian...	Failure Co...	Modif...
IE9 Computer Security Compliance	Enabled	No	No	3/19/201...	0	0	0	CON	
Standard Desktop Configuration	Enabled	Yes	Yes	3/20/201...	0	0	0	CON	
Win7SP1 Computer Security Compliance-Beta	Enabled	No	No	3/19/201...	0	0	0	CON	
Win7SP1 Domain Security Compliance-Beta	Enabled	No	No	3/19/201...	0	0	0	CON	

Below the list, a detailed view of the 'Standard Desktop Configuration' baseline is displayed. The 'General' tab shows basic information like Type (Configuration Baseline), Relationships (No), and creation details. The 'Compliance Statistics' tab shows metrics: Compliance Count (0), Noncompliance Count (0), and Failure Count (0). The 'Deployments' tab is highlighted with a red box.

66) In **Deployments** tab , you can see **Compliance %** :

This screenshot is similar to the previous one but focuses on the 'Deployments' tab of the 'Standard Desktop Configuration' baseline. The 'Deployments' tab shows a single deployment entry:

Icon	Collection	Compliance %	Deployment Start Time
All Systems	20.0	3/20/2012 5:15 AM	

67) Click the **Monitoring** workspace , click **Standard Desktop Configuration** ,

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the compliance statistics for the **Standard Desktop Configuration** baseline appears in the preview pane , in numerical and graphical format :

The screenshot shows the System Center 2012 Configuration Manager interface. In the center, there's a table titled "Deployments 3 items" listing three entries: Microsoft Baseline Security Analyzer, Office Professional Plus 2010, and Standard Desktop Configuration. The "Standard Desktop Configuration" entry is selected. Below this, a detailed view for "Standard Desktop Configuration Status to All Systems" is displayed. It includes sections for General (Software: Standard Desktop Configuration, Collection: All Systems, Feature Type: Baseline, Purpose: Required, Date Created: 3/20/2012 5:15 AM) and Compliance Statistics. The Compliance Statistics section features a pie chart showing asset status: Compliant: 1 (green), Error: 0 (red), Non-Compliant: 0 (blue), and Unknown: 4 (grey). A total asset count of 5 is shown, last updated on 3/20/2012 at 5:25:19 AM. There are also links to "View Status" and "Related Objects" (Collection, Baseline).

68) Expend **Reporting** , expend **Reports** , and then click **Compliance and Settings Management** , there are 15 reports available :

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The screenshot shows the System Center 2012 Configuration Manager interface. The left navigation pane is expanded, showing categories like Monitoring, Reports, and Compliance and Settings Management. Under Compliance and Settings Management, there are several items listed in a table:

Icon	Name	Category	Date Mod
	Compliance history of a configuration baseline	Compliance and Settings Management	3/15/201
	Compliance history of a configuration item	Compliance and Settings Management	3/15/201
	Details of compliant rules of configuration items in a configuration baseline for an asset	Compliance and Settings Management	3/15/201
	Details of conflicting rules of configuration items in a configuration baseline for an asset	Compliance and Settings Management	3/15/201
	Details of errors of configuration items in a configuration baseline for an asset	Compliance and Settings Management	3/15/201
	Details of non-compliant rules of configuration items in a configuration baseline for an asset	Compliance and Settings Management	3/15/201
	Details of remediated rules of configuration items in a configuration baseline for an asset	Compliance and Settings Management	3/15/201
	List of assets by compliance state for a configuration baseline	Compliance and Settings Management	3/15/201
	List of assets by compliance state for a configuration item in a configuration baseline	Compliance and Settings Management	3/15/201
	List of rules conflicting with a specified rule for an asset	Compliance and Settings Management	3/15/201
	List of unknown assets for a configuration baseline	Compliance and Settings Management	3/15/201
	Rules and errors summary of configuration items in a configuration baseline for an asset	Compliance and Settings Management	3/15/201
	Summary compliance by configuration baseline	Compliance and Settings Management	3/15/201
	Summary compliance by configuration items for a configuration baseline	Compliance and Settings Management	3/15/201
	Summary compliance of a configuration baseline for a collection	Compliance and Settings Management	3/15/201

69) Right-click **Summary compliance by configuration baseline**, and click

Run :

The screenshot shows the same Configuration Manager interface as above, but with a context menu open over the first item in the list: "Summary compliance of a configuration baseline for a collection". The menu options are: Run, Edit, Create Subscription, Refresh, F5, Delete, and Properties. The "Run" option is highlighted.

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70) The **Summary compliance by configuration baseline** window appears :

The screenshot shows the 'Summary compliance by configuration baseline' report window. At the top, there's a message: 'To view the report, provide values for the parameters below, then click View Report.' Below this are three dropdown menus: 'Report Category' (set to 'Compliance and Settings Management'), 'Report Name' (set to 'Summary compliance by configuration baseline'), and 'Report Description' (set to 'Displays a summary of the overall compliance of deployed configuration baselines in the hierarchy'). On the right side of the window is a 'View Report' button. The main area contains a table titled 'Summary compliance by configuration baseline'. The table has four columns: 'Configuration Baseline Name', 'Configuration Baseline Revision', 'Severity', and 'Compliant'. There is one row in the table with the following data: 'Standard Desktop Configuration', '1', 'None', and '1'. The table is styled with alternating row colors.

Configuration Baseline Name	Configuration Baseline Revision	Severity	Compliant
Standard Desktop Configuration	1	None	1

71) Under **Configuration Baseline Name** , click **Standard Desktop Configuration** :

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The screenshot shows a Windows application window titled "Summary compliance by configuration baseline". The window has a toolbar at the top with icons for back, forward, search, and print. Below the toolbar is a status bar showing "1 of 1" and "100%". The main area contains a table with the following data:

Configuration Baseline Name	Configuration Baseline Revision	Severity	Compliant
Standard Desktop Configuration	1	None	<u>1</u>

72) Click **View Report**, will display result :

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The screenshot shows a report titled "Summary compliance by configuration baseline". The report header includes the following information:

- 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 baseline
- Report Description: Displays a summary of the overall compliance of deployed configuration baselines in the hierarchy.

The report interface includes fields for Configuration Baseline Name (Standard Desktop Configuration), Category (<All Values>), and Minimum Severity (<All Values>). A "View Report" button is also present. Below the report area is a toolbar with various icons and a search bar.

Summary compliance by configuration baseline

Description			
Configuration Baseline Name	Configuration Baseline Revision	Severity	Compliant
Standard Desktop Configuration	1	None	1

73) Now I have finished System Center 2012 Configuration Manager RTM Settings Management .