

Microsoft System Center 2012 Configuration Manager RTM Configure Document

Mar.15 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 :

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**.

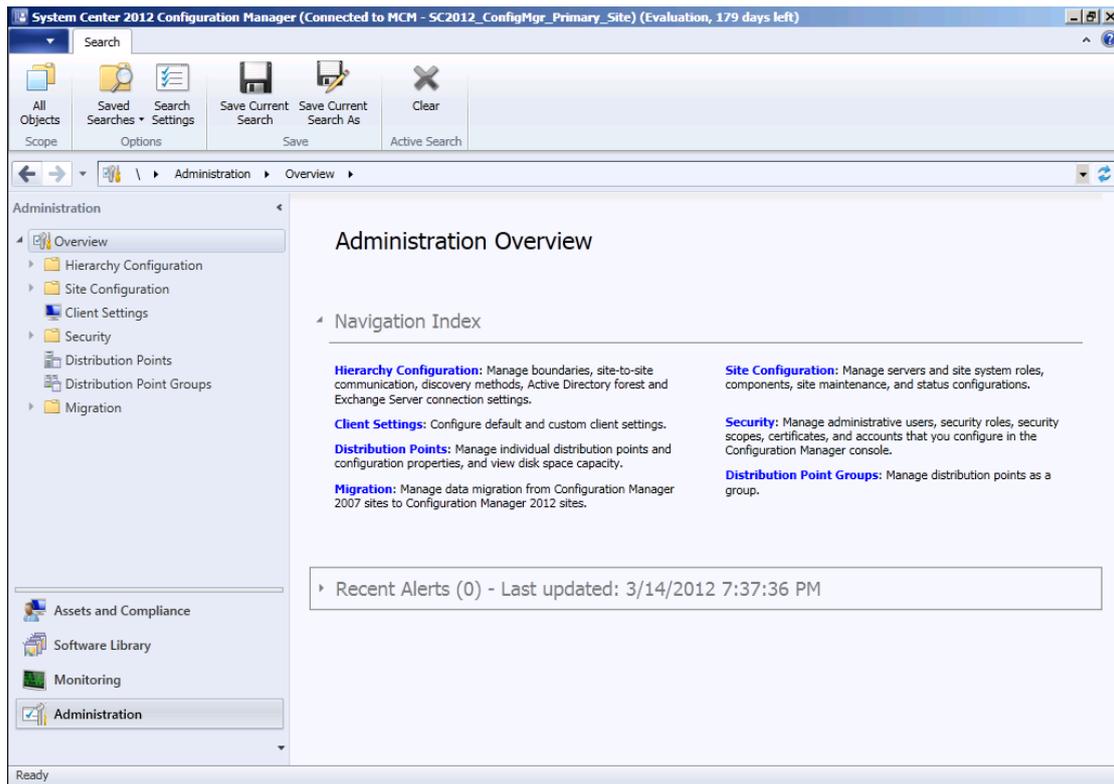
This process is no longer described in this part.

3. Deploy 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.

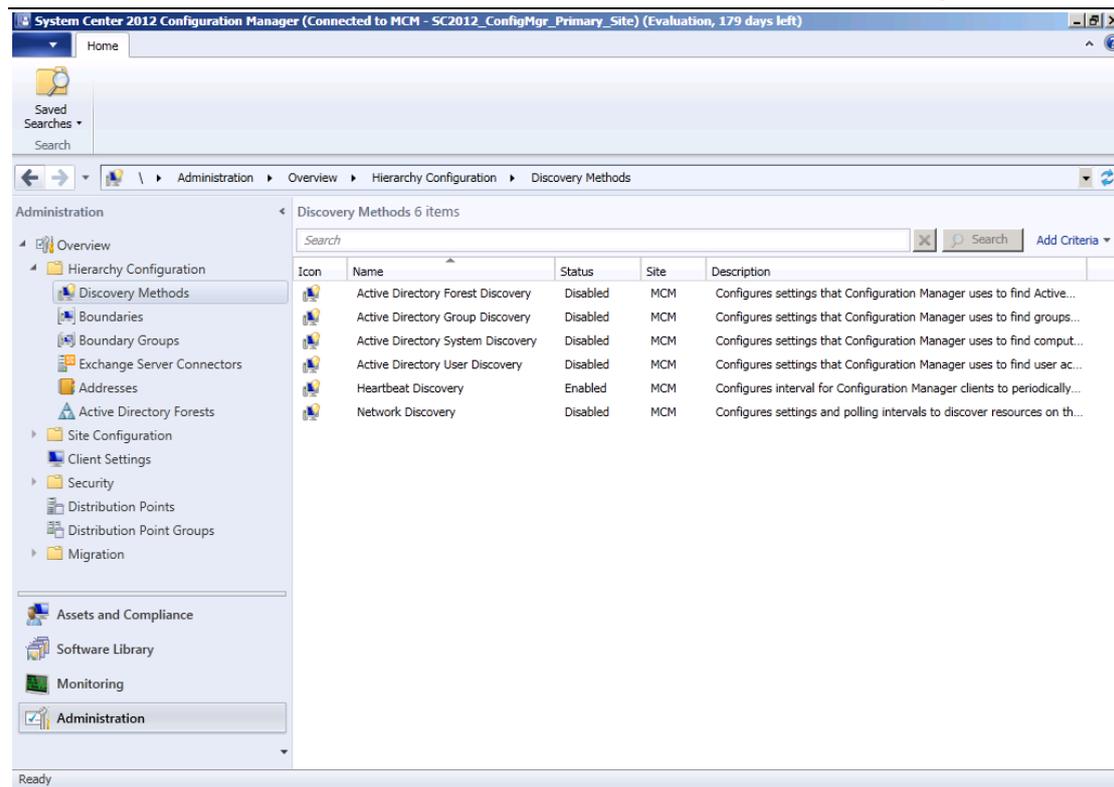
4. Configure SC2012 ConfigMgr RTM :

1) Logon to **ConfigMgr2012** server , click **Configuration Manager Console** shortcut , the **Configuration Manager Console** will be open , by default , will into **Assets and Compliance** workspace directly , click **Administration** workspace :

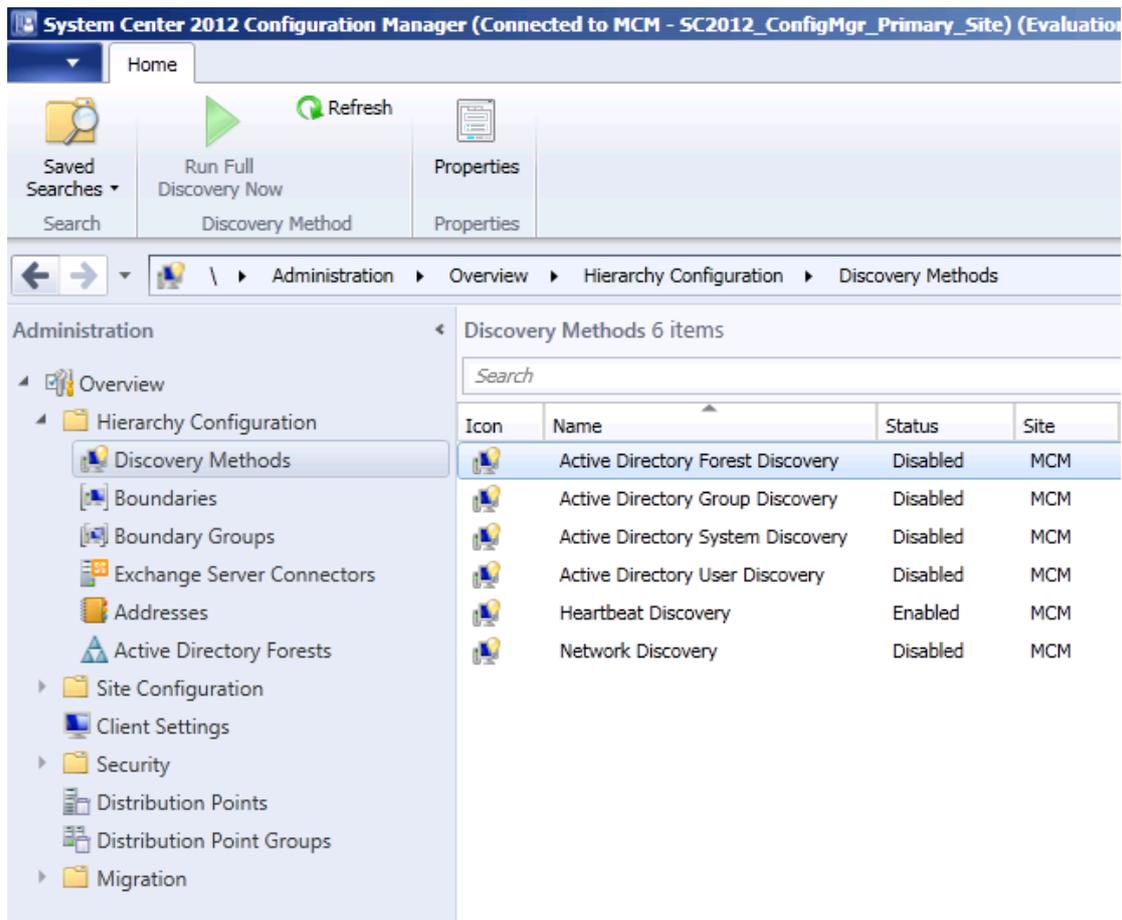


2) Click **Hierarchy Configuration --- Discovery Methods** node , you can see there have six discovery methods :

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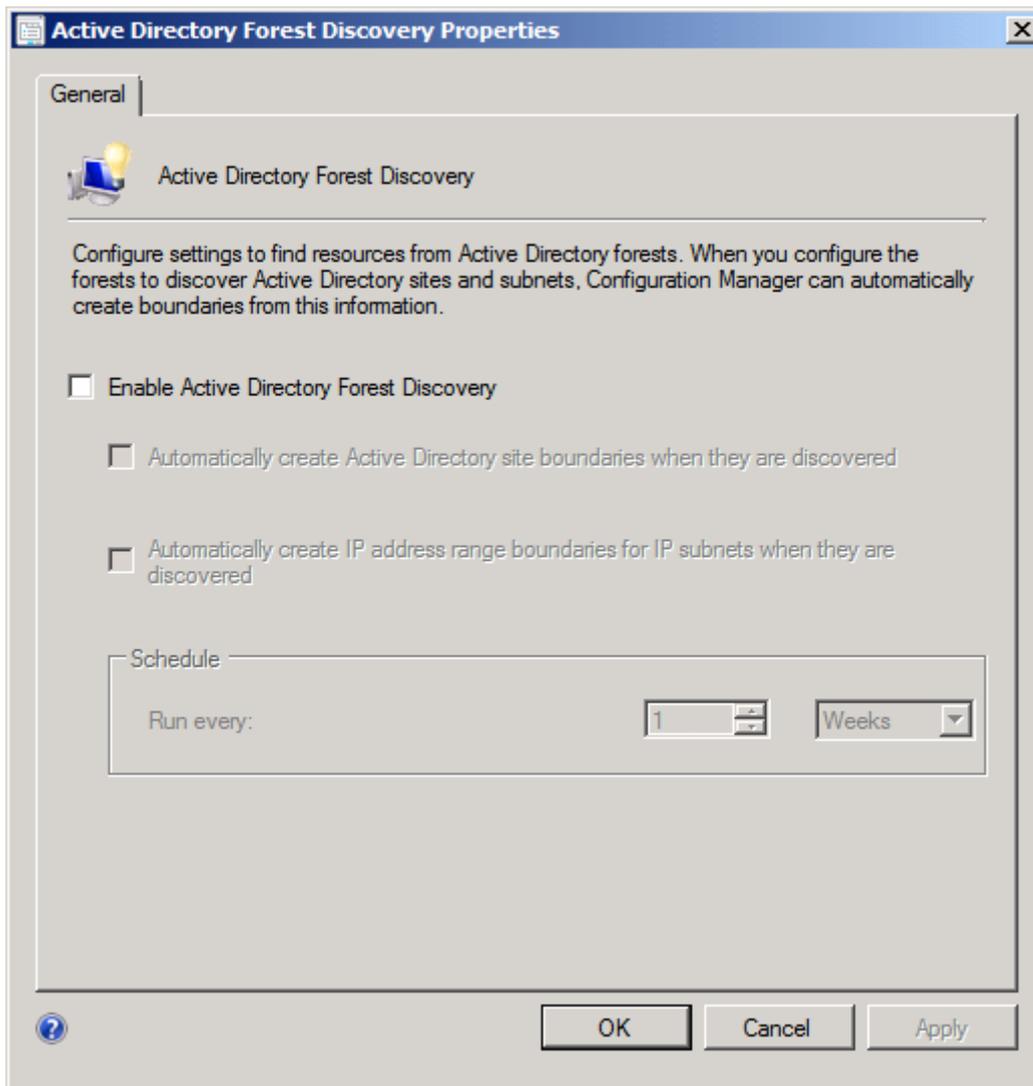


3) Click **Active Directory Forest Discovery** item :

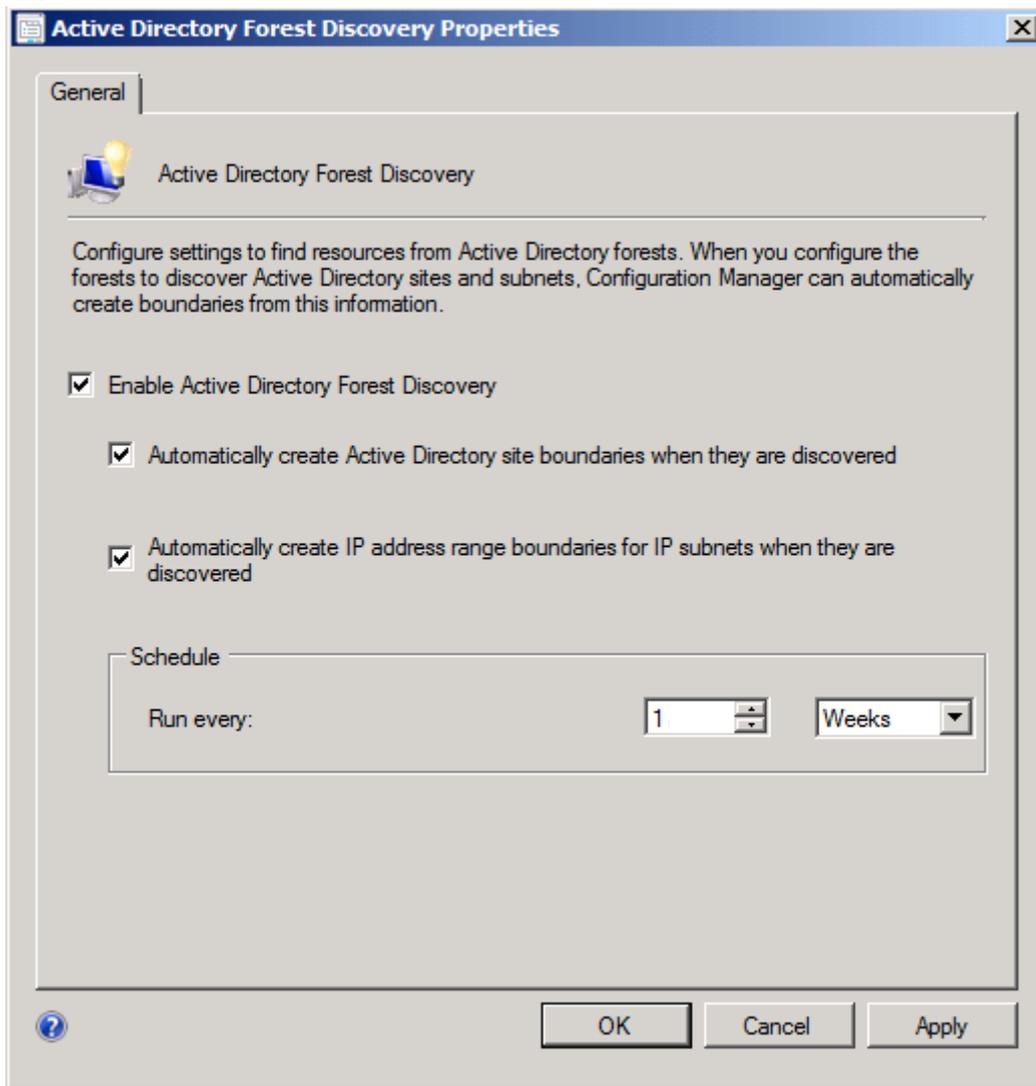


4) In **Ribbon** zone, click **Properties** , will open **Active Directory Forest**

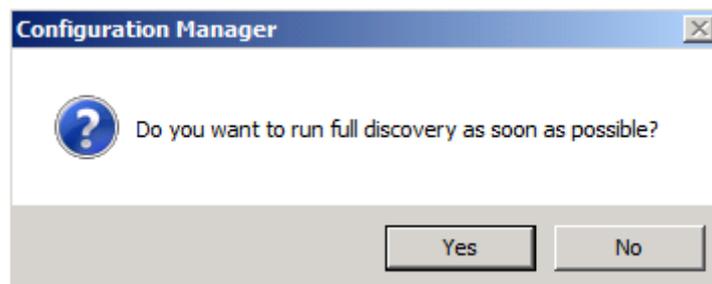
Discovery Properties box :



5) Select **Enable Active Directory Forest Discovery** item , based on you requirements select whether automatically create AD site or IP subnet boundaries :

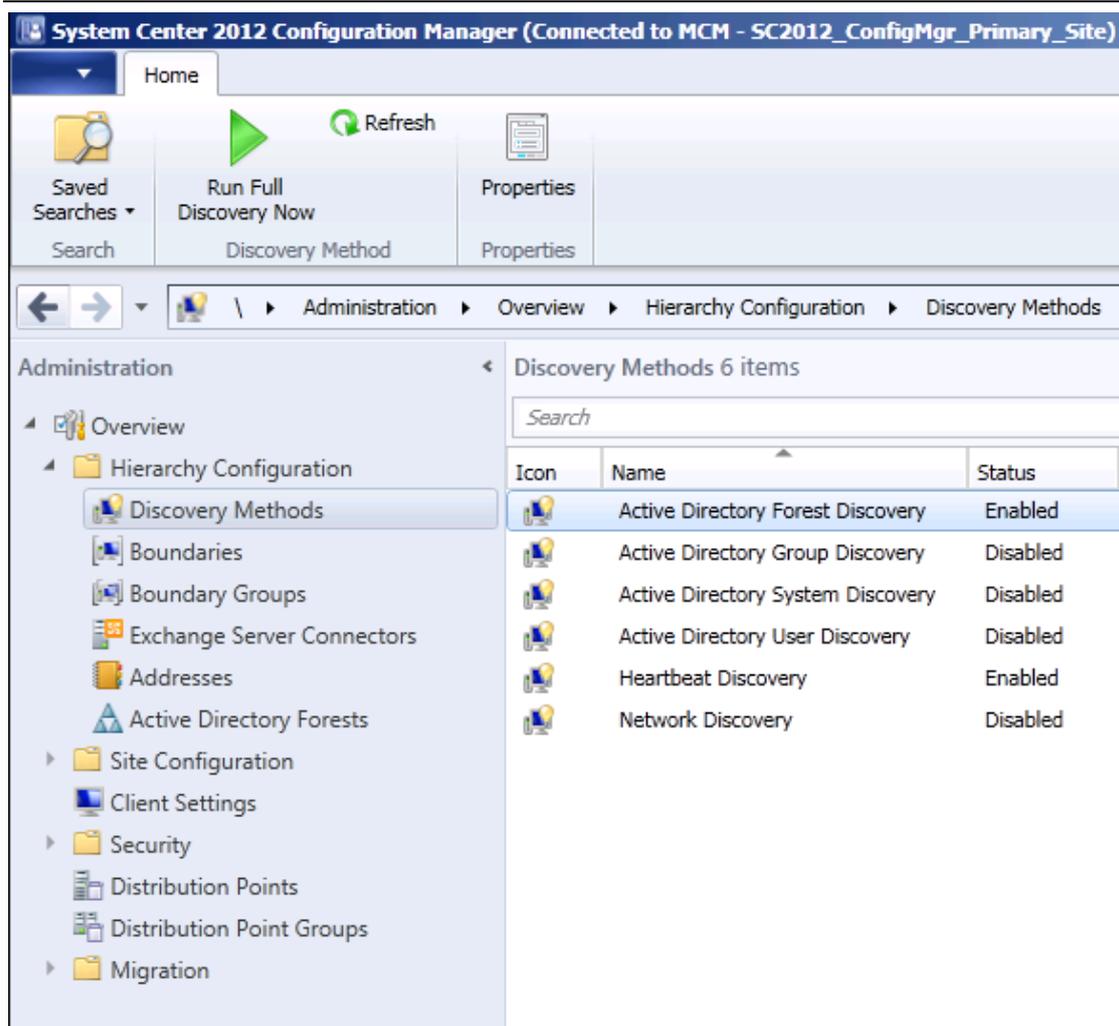


6) Click **Apply** , will display this information box :

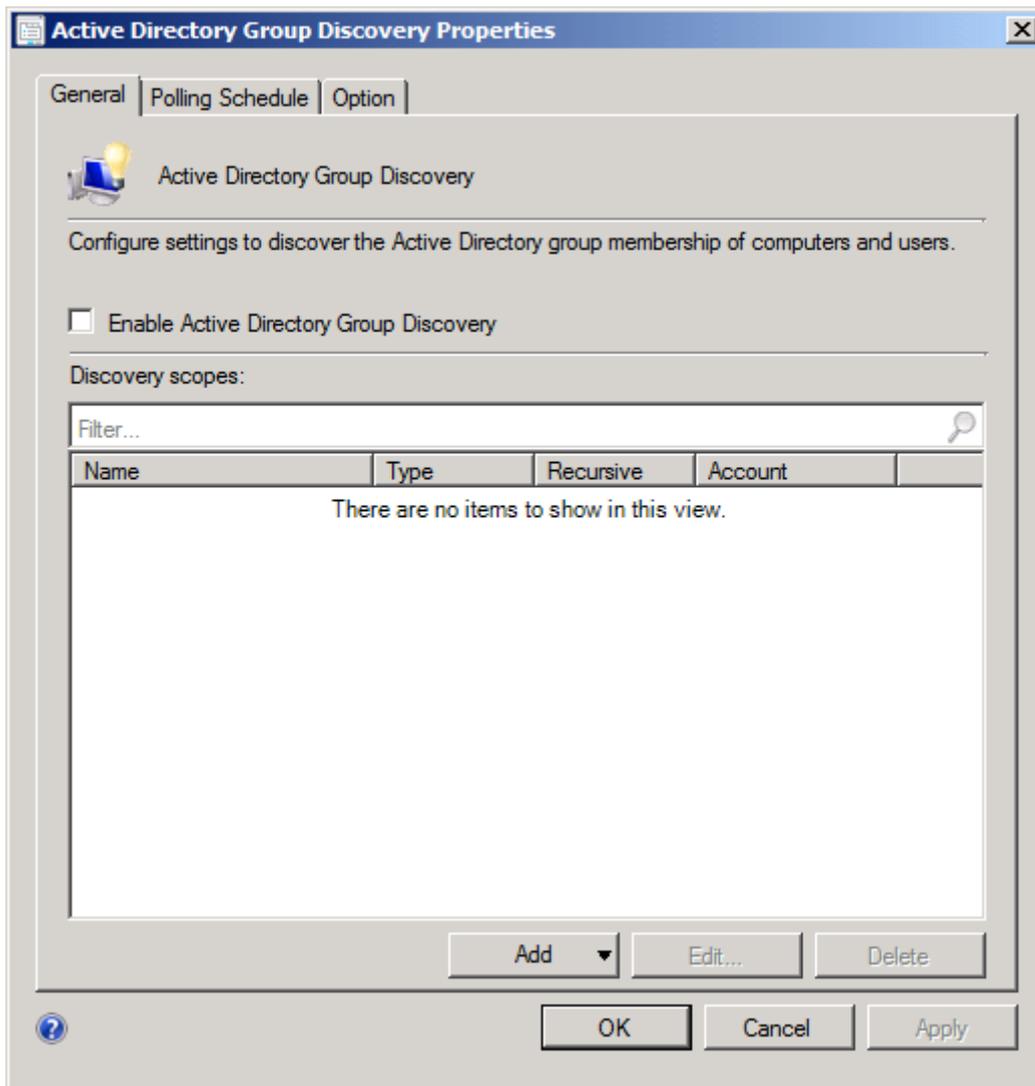


7) Click **Yes** will start the first full discovery , click **OK** , you can see **Active**

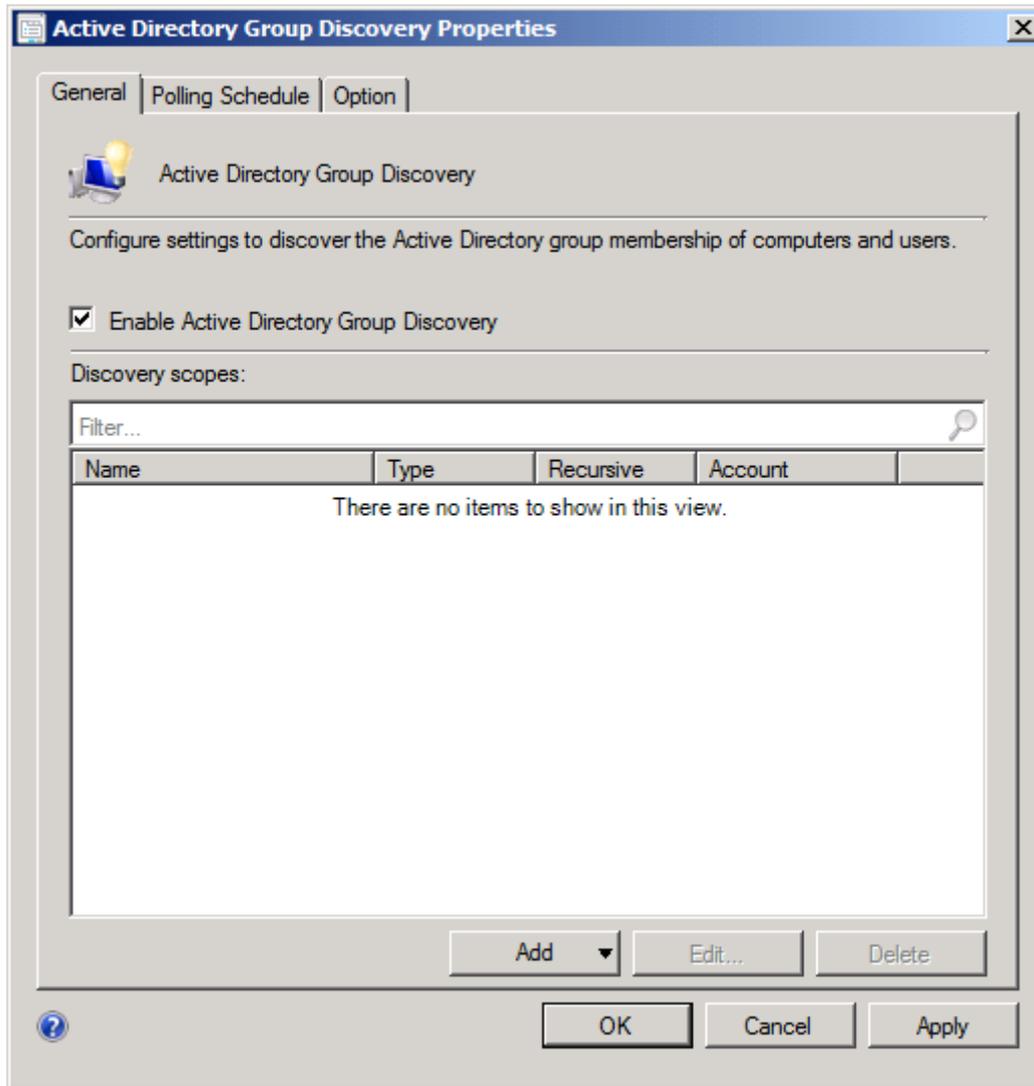
Directory Forest Discovery item is enabled :



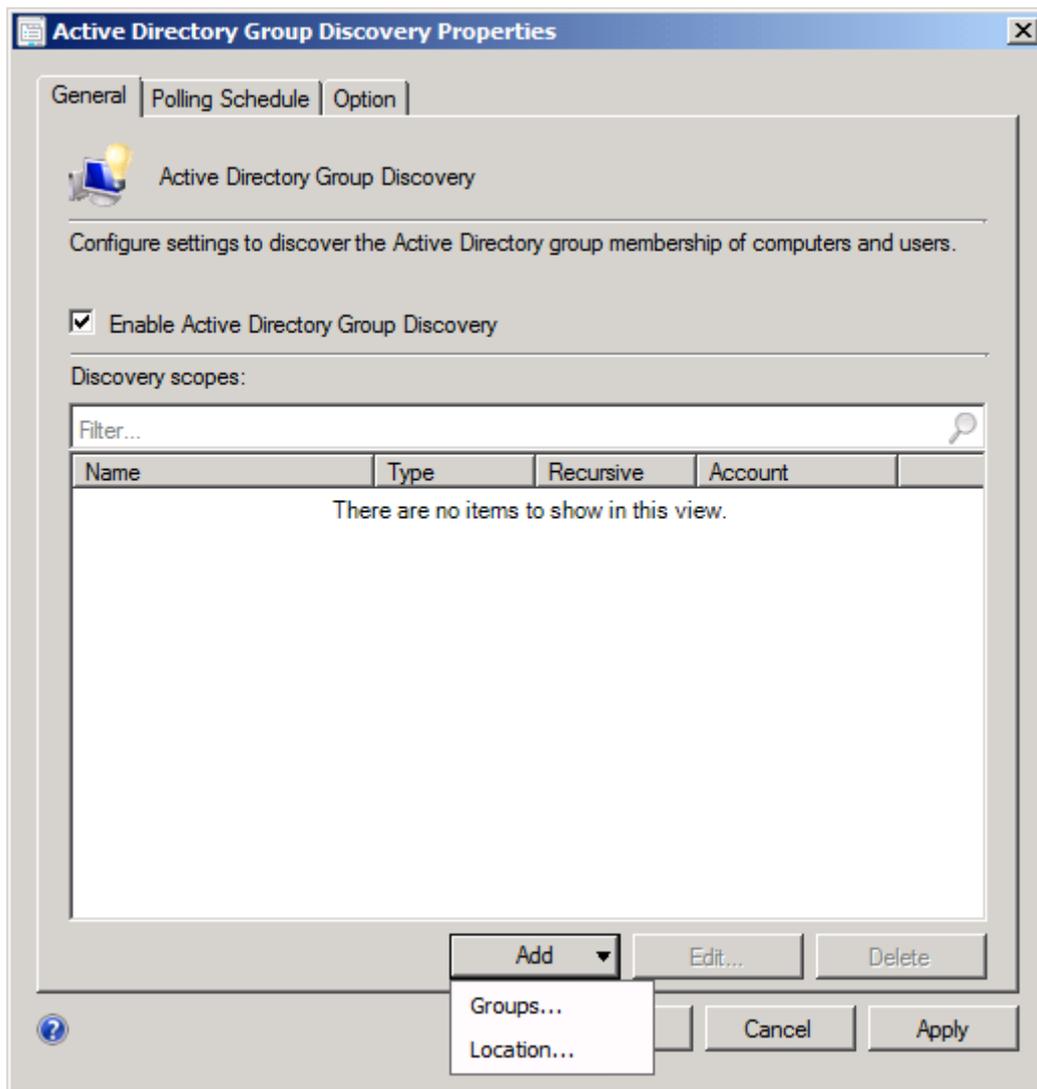
8) Double-click **Active Directory Group Discovery** item , will open **Active Directory Group Discovery Properties** box :



9) Select **Enable Active Directory Group Discovery** item :

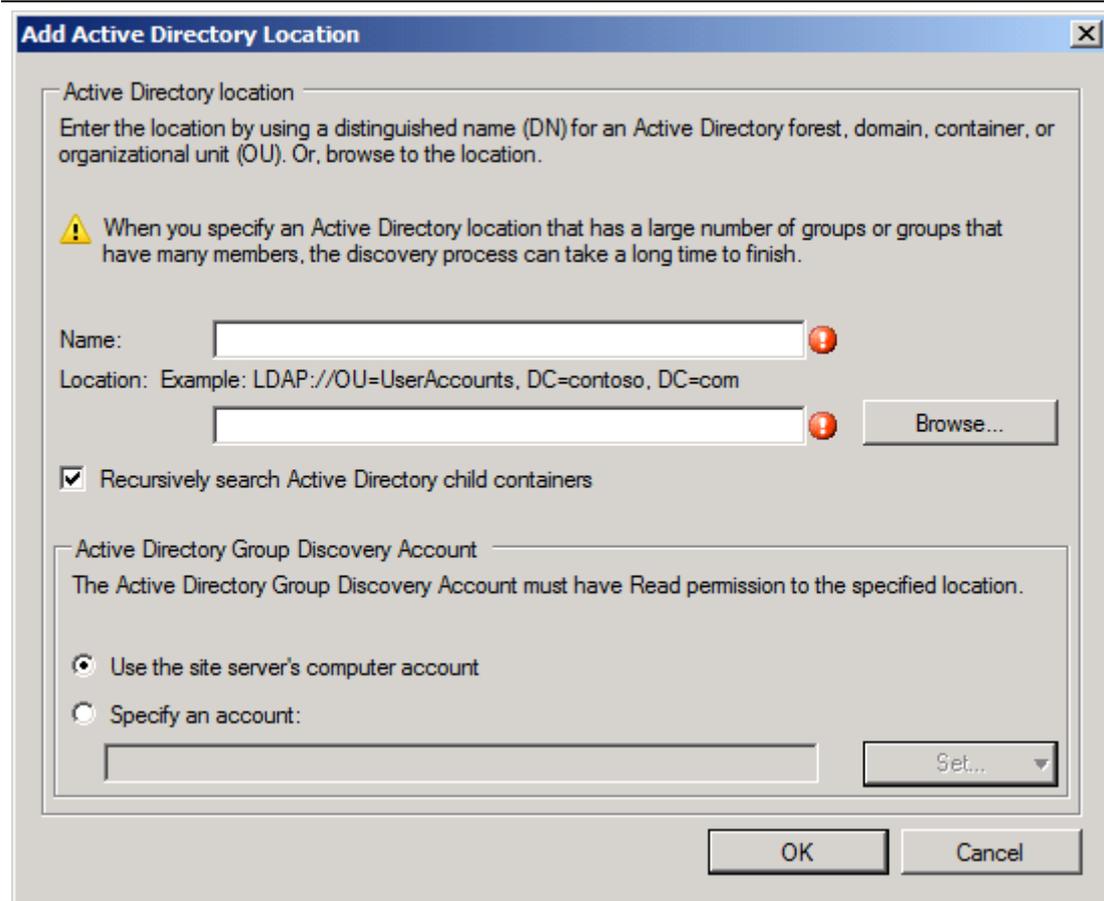


10) Click **Add** , you can select **Groups...** or **Location...** item :



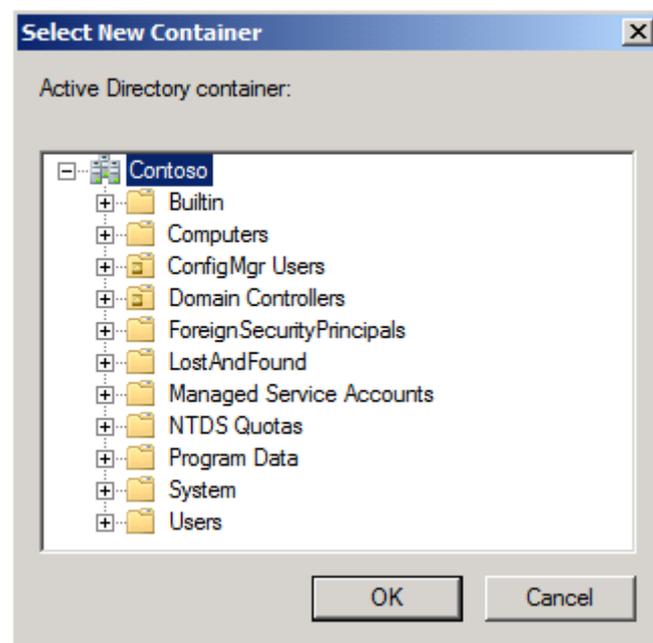
11) In here , you can click **Location...** item , will open **Add Active Directory**

Location box :



12) Input name in **Name** field, click **Browse...** , will open **Select New**

Container box :



13) Based on your requirements and select discovery scope , click **OK** :

Add Active Directory Location

Active Directory location
Enter the location by using a distinguished name (DN) for an Active Directory forest, domain, container, or organizational unit (OU). Or, browse to the location.

⚠ When you specify an Active Directory location that has a large number of groups or groups that have many members, the discovery process can take a long time to finish.

Name:

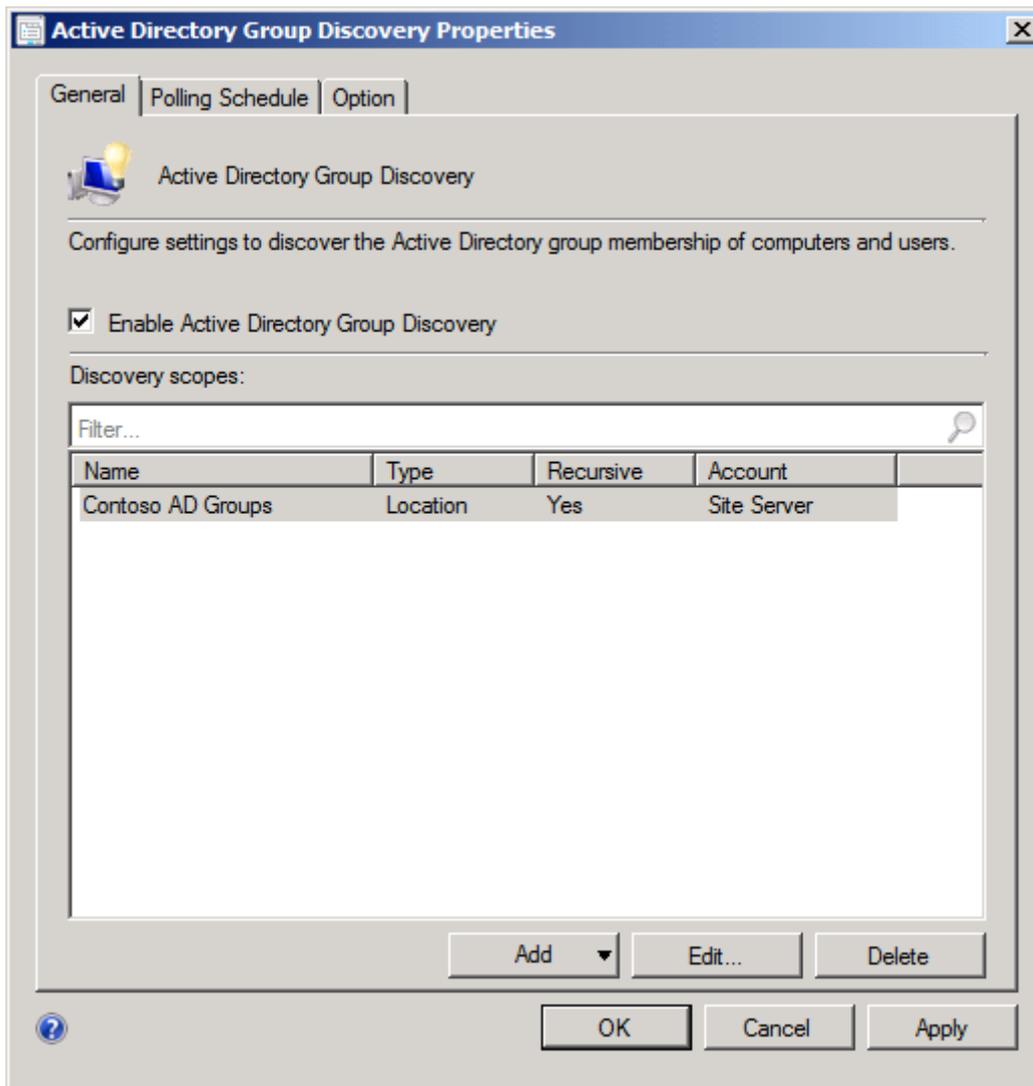
Location: Example: LDAP://OU=UserAccounts, DC=contoso, DC=com

Recursively search Active Directory child containers

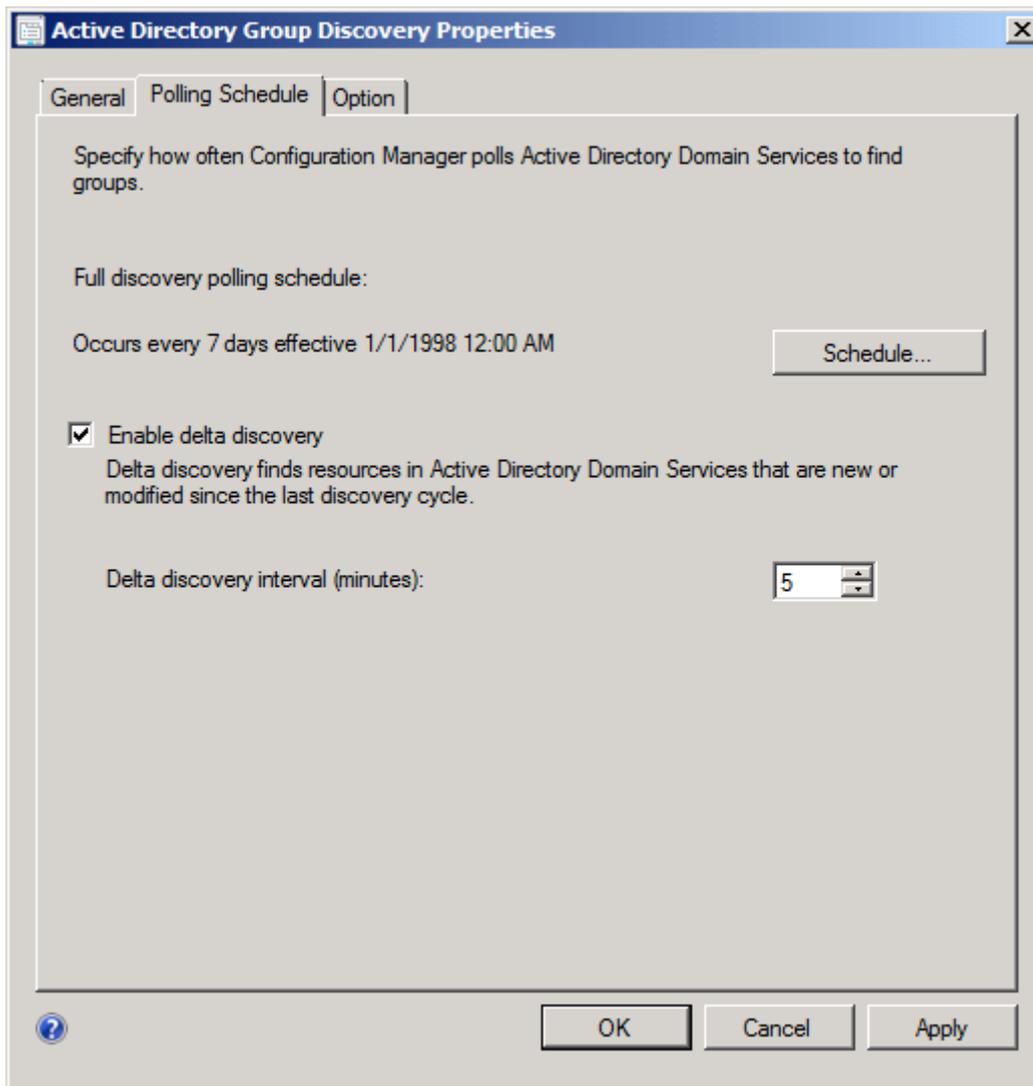
Active Directory Group Discovery Account
The Active Directory Group Discovery Account must have Read permission to the specified location.

Use the site server's computer account
 Specify an account:

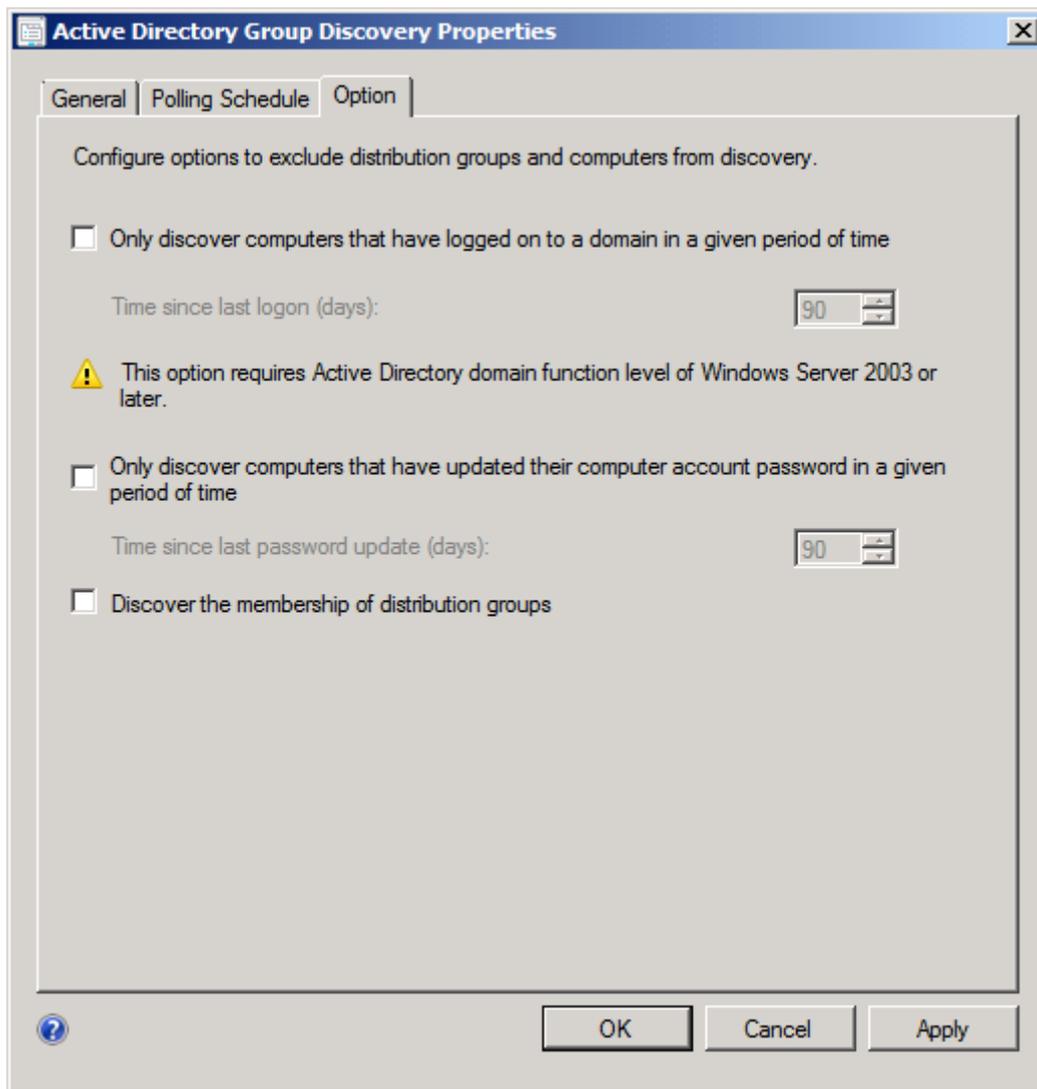
14) Click **OK** will back to **Active Directory Group Discovery Properties** box ,
you can adding more discovery scopes :



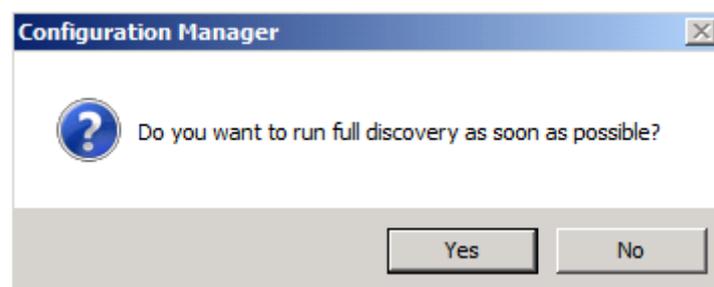
15) Click **Polling Schedule** table , you can setting full discovery polling schedule and delta discovery interval :



16) Click **Option** table , you can setting exclude discovery options :

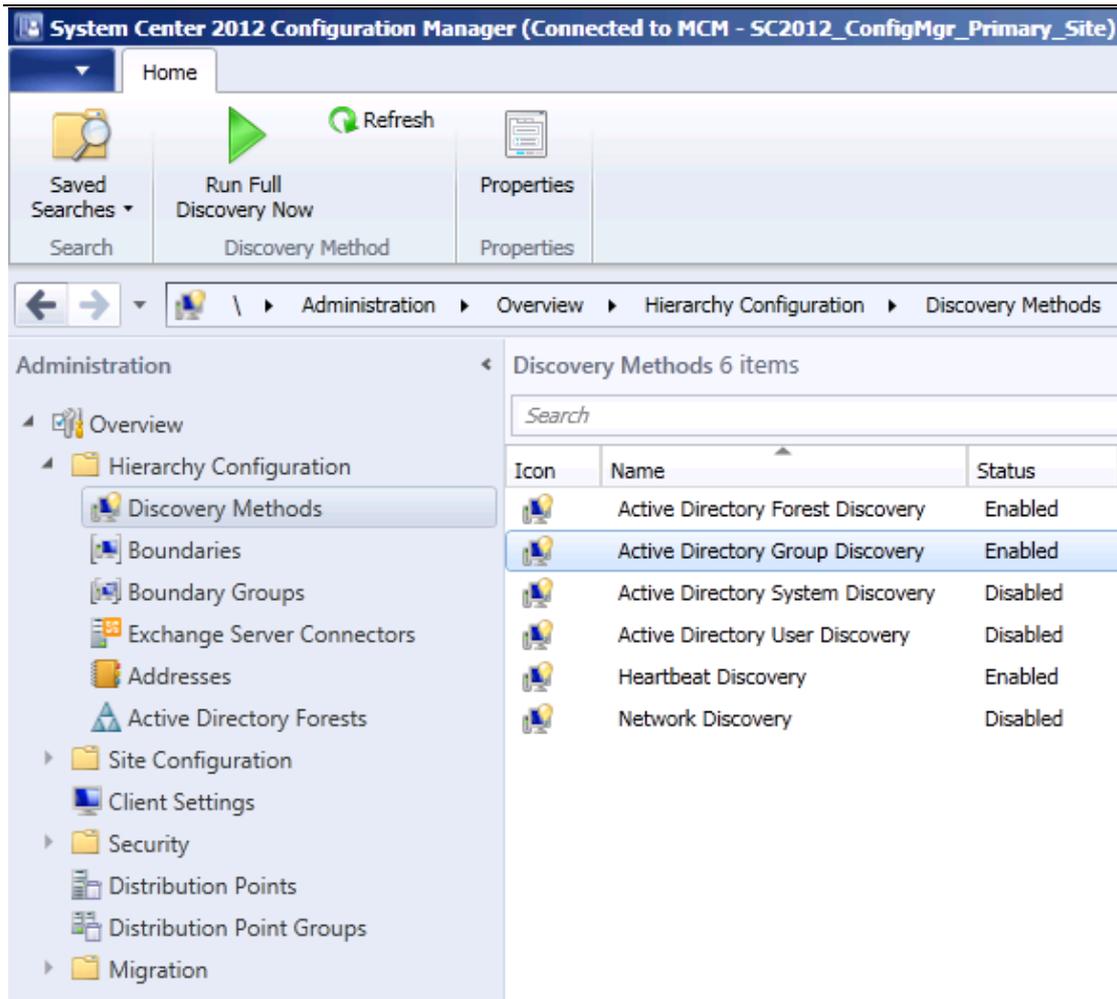


17) Setting finished , you can click **Apply---OK** , the information box will display again :



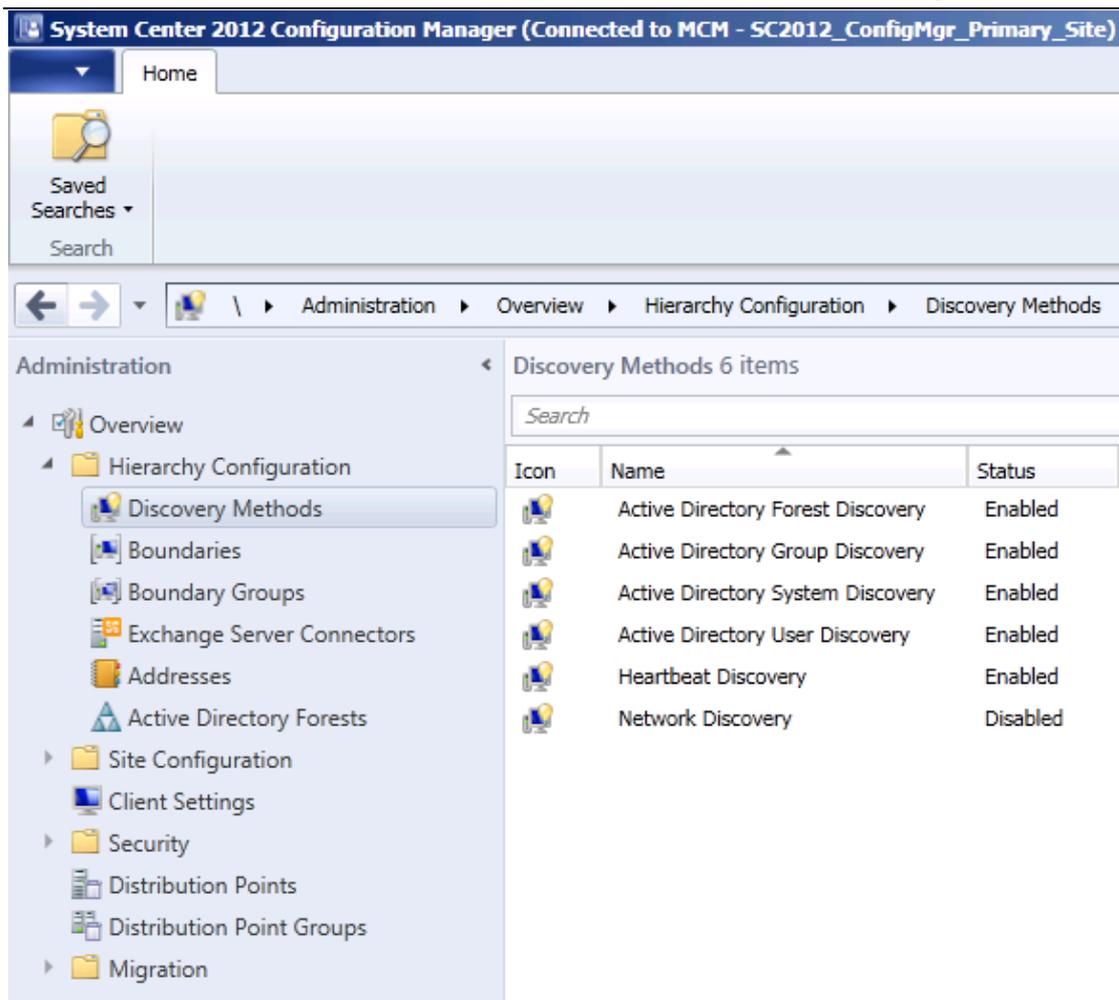
18) Click **Yes** and **OK** this discovery item will be enabled :

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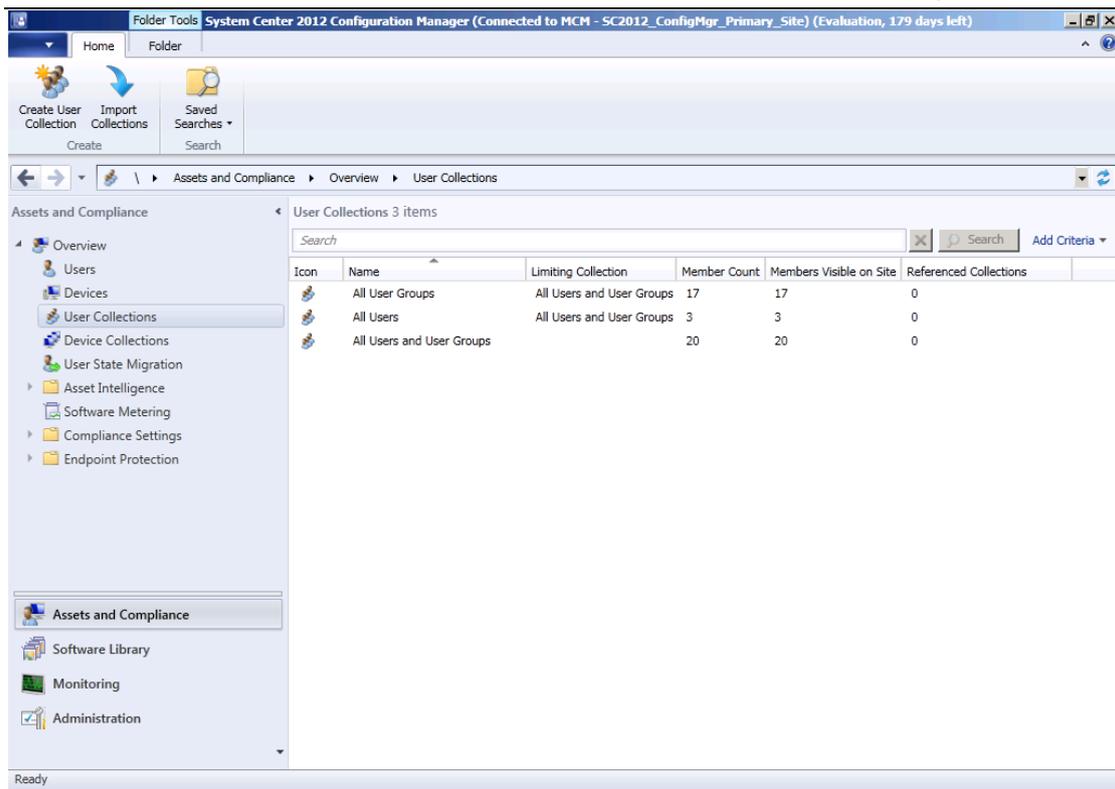
19) Now you can enable more discovery items :

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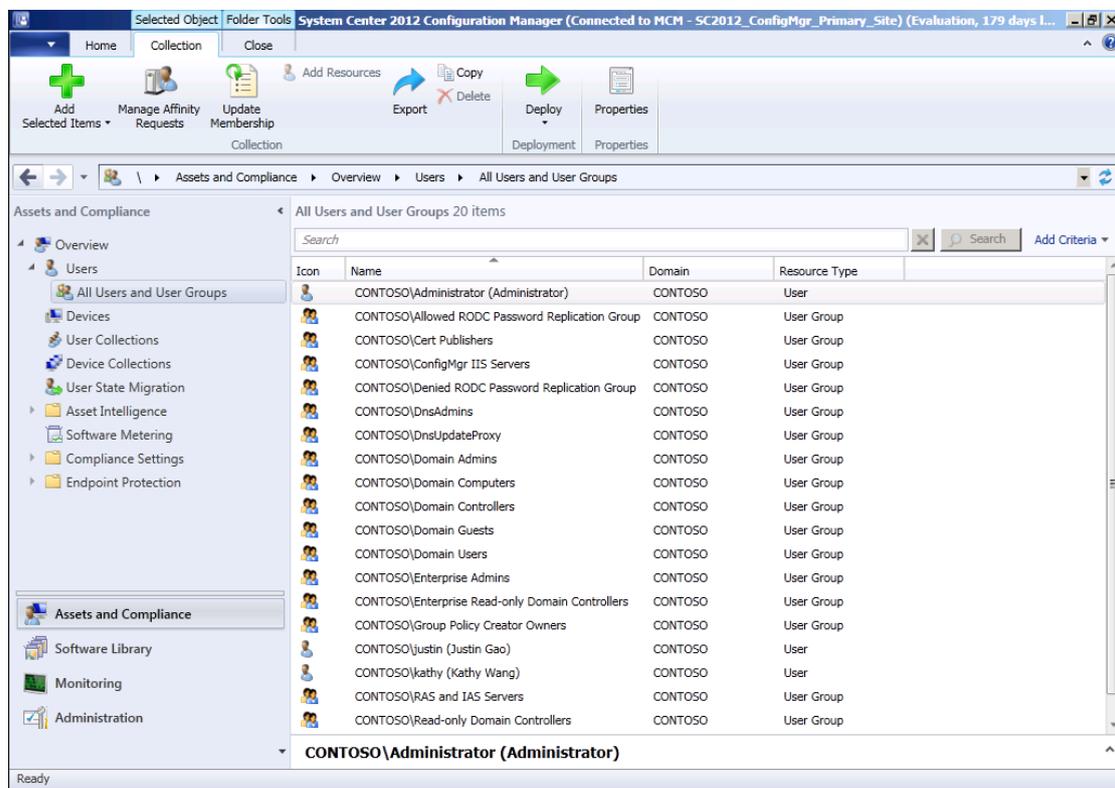


20) Click **Assets and Compliance** workspace , click **User Collections** node :

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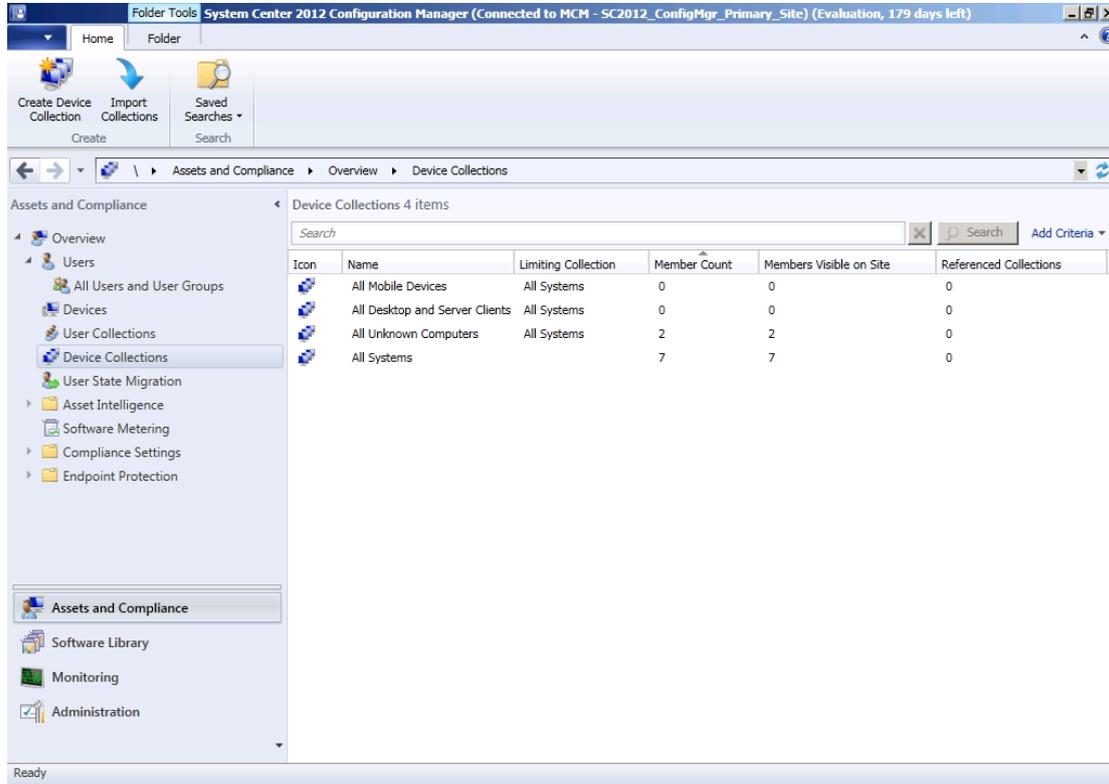


21) You can see three default users collections , double-click any collection you can see discovered resources :



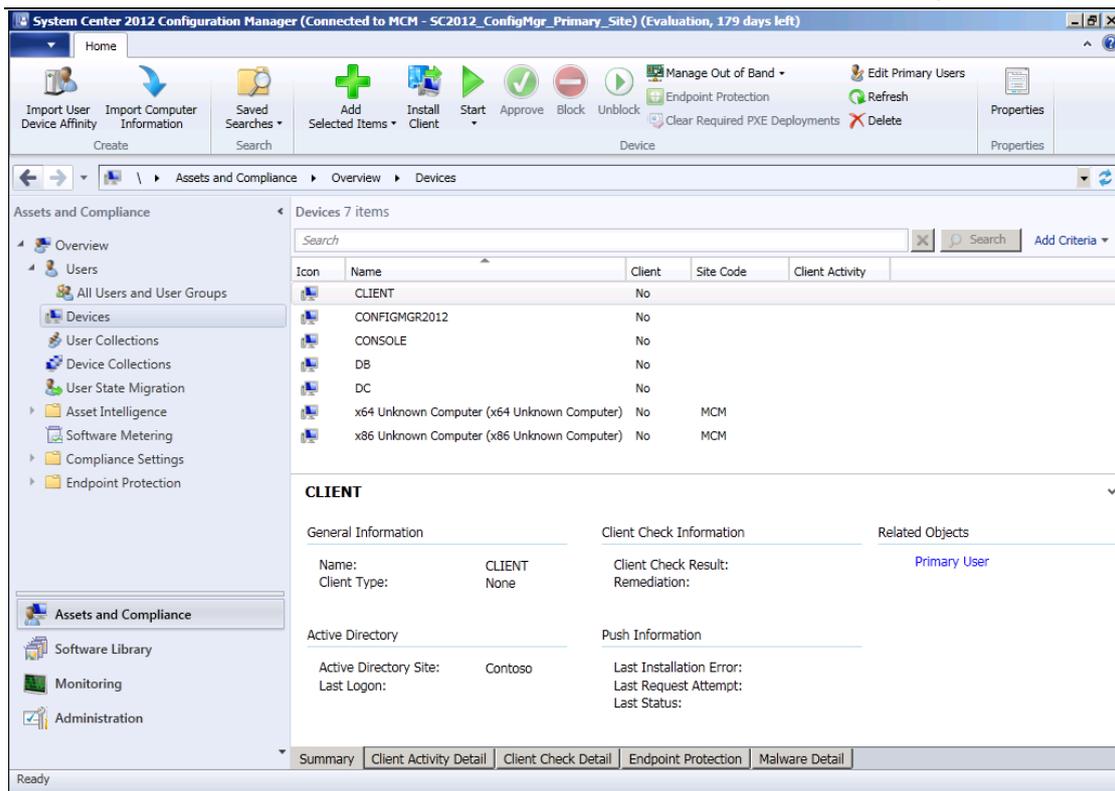
Justin Gao 高扬
yanga@microsoft.com
http://blogs.technet.com/b/justin_gao

22) Click **Device Collections** node , you can see four default device collections :

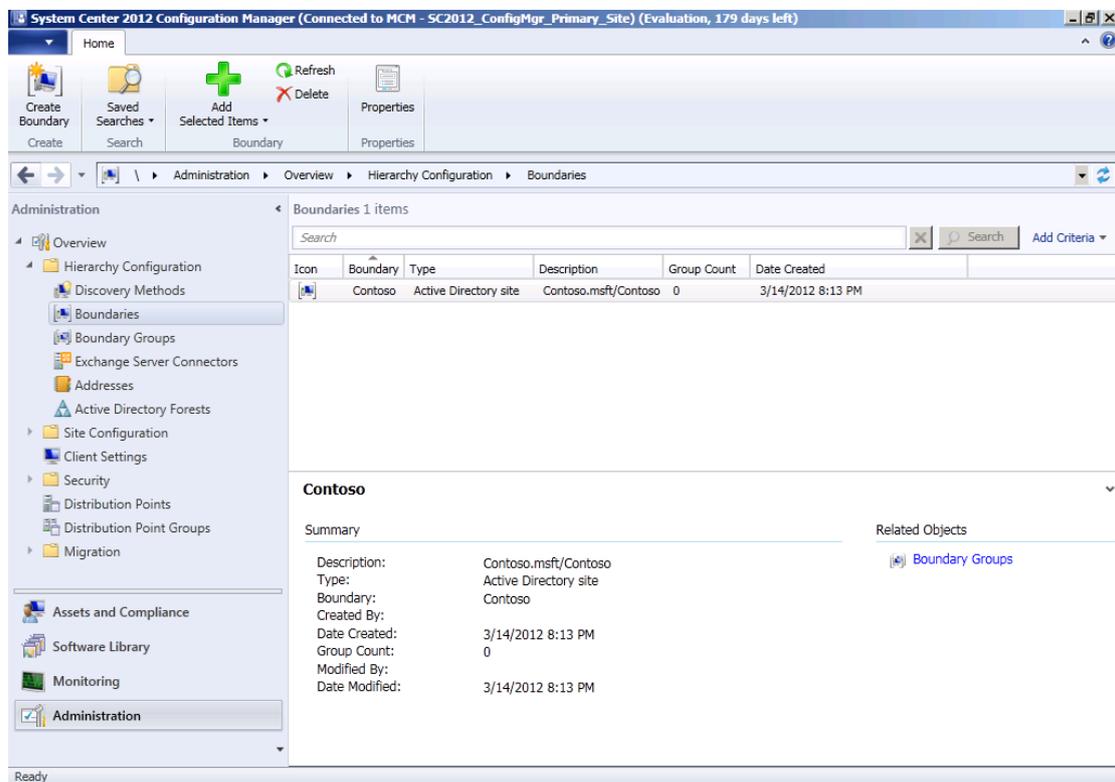


23) Click **Devices** node , you can see all discovered computers device resources :

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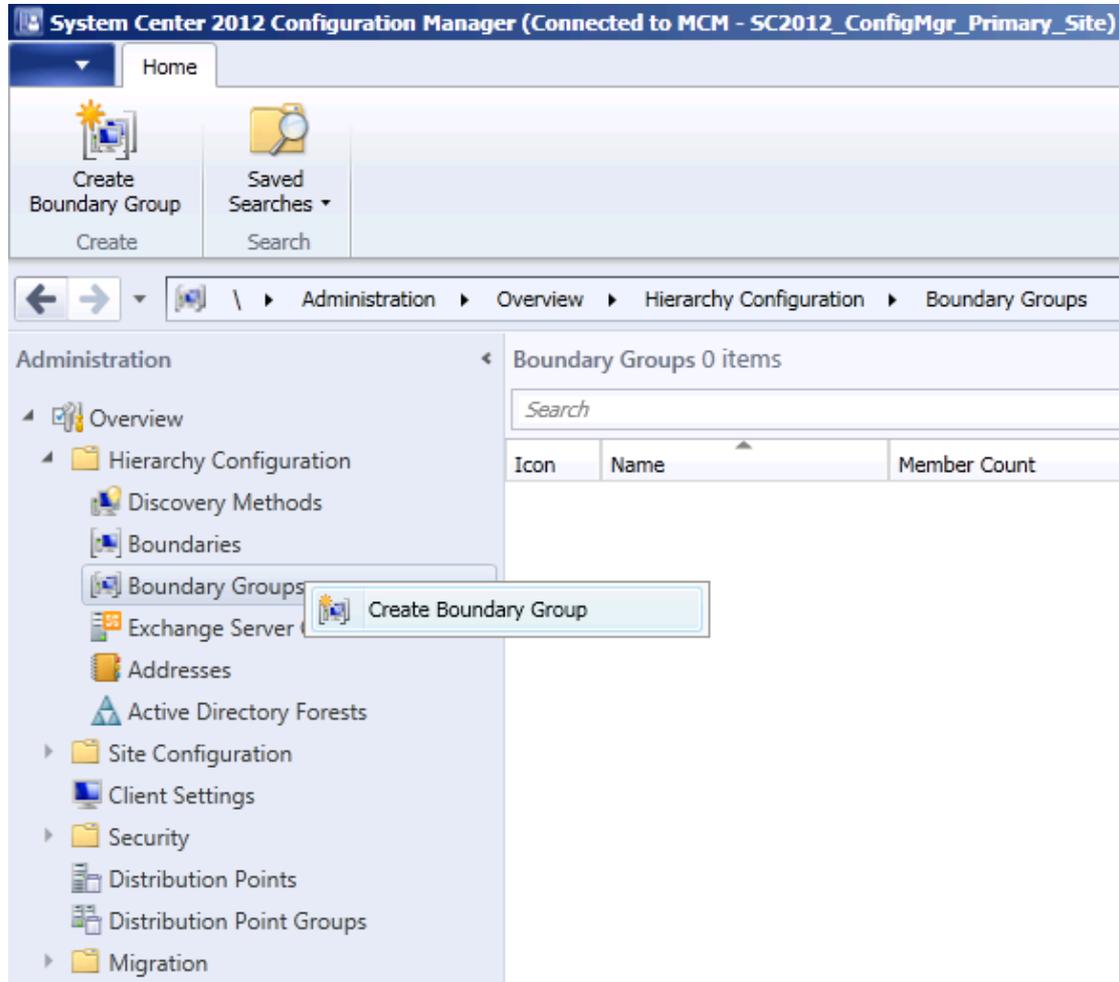
24) Click **Administration** workspace , in **Boundaries** node , you can see discovered AD site :



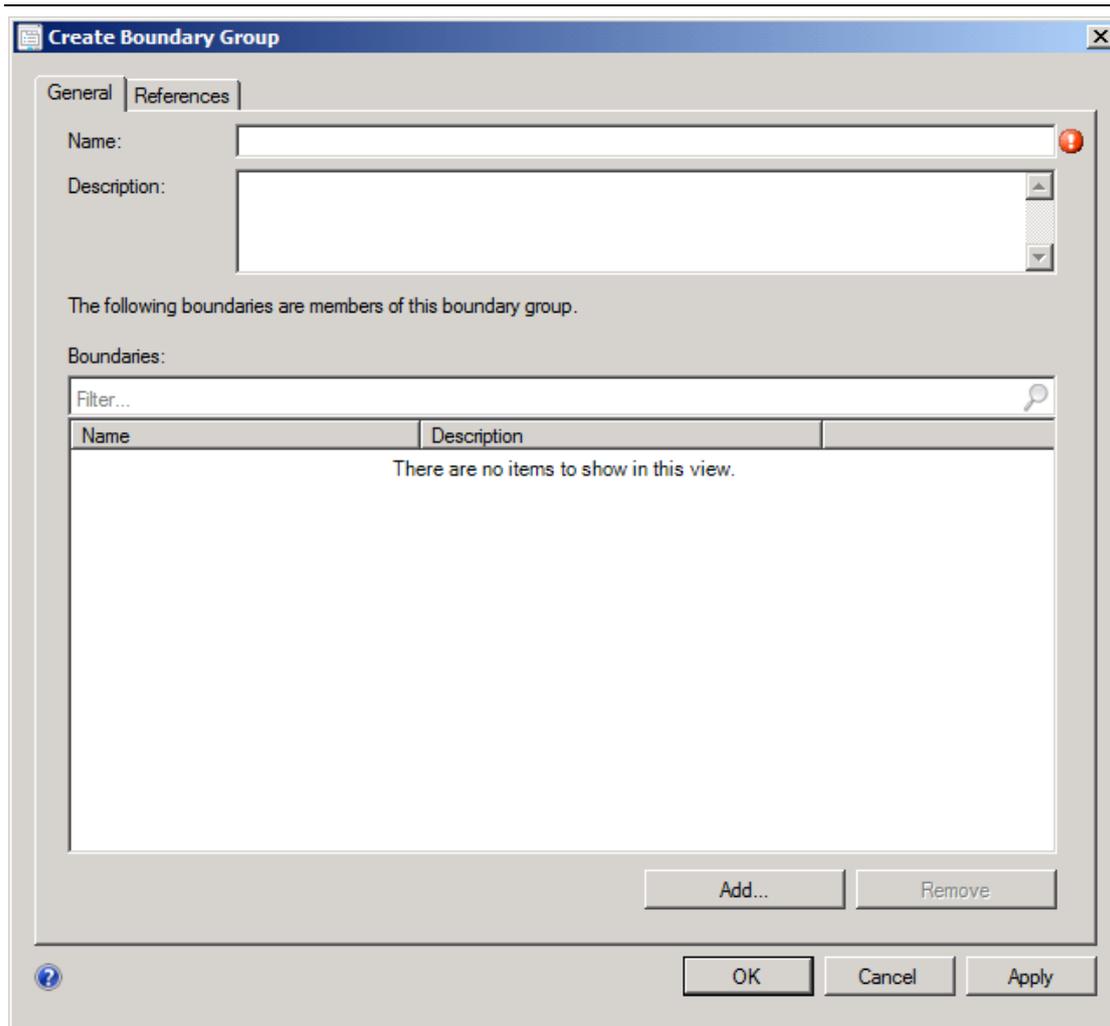
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yanga@microsoft.com
http://blogs.technet.com/b/justin_gao

25) Now I will to create a boundary group , right-click **Boundary Groups** node

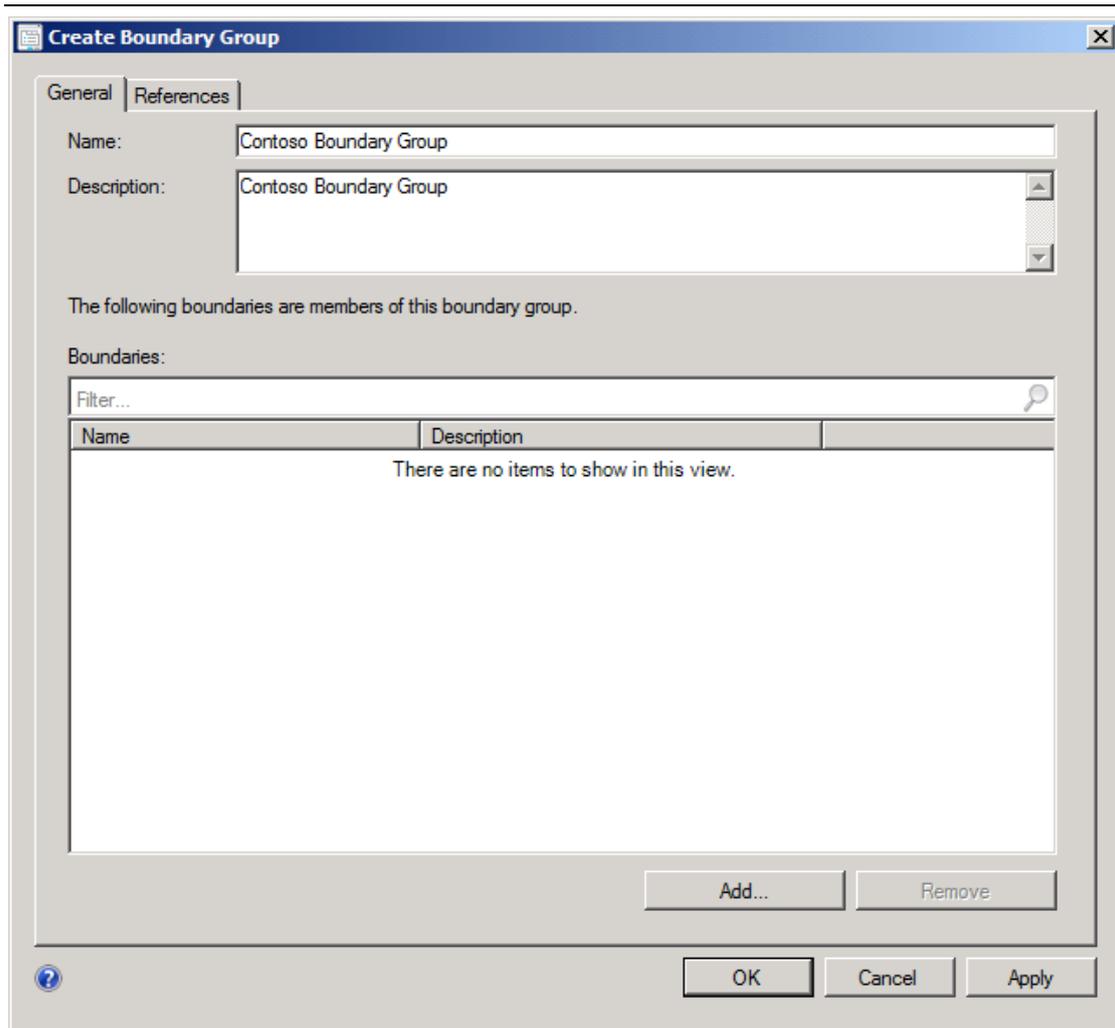
and click **Create Boundary Group** :



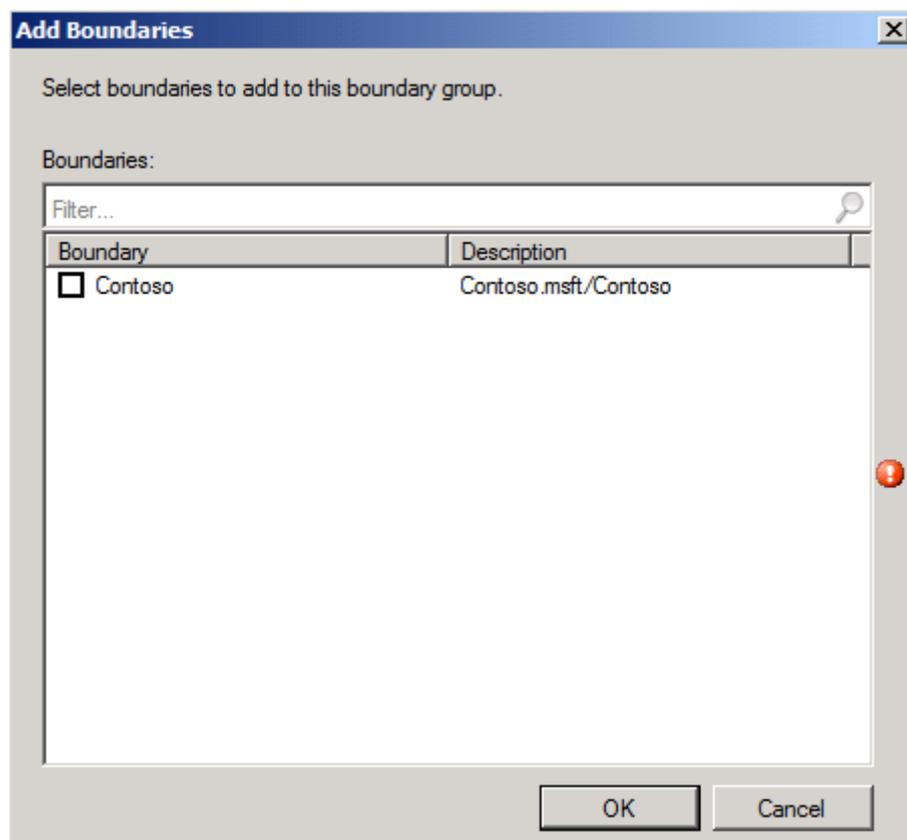
26) The **Create Boundary Group** box will opened :



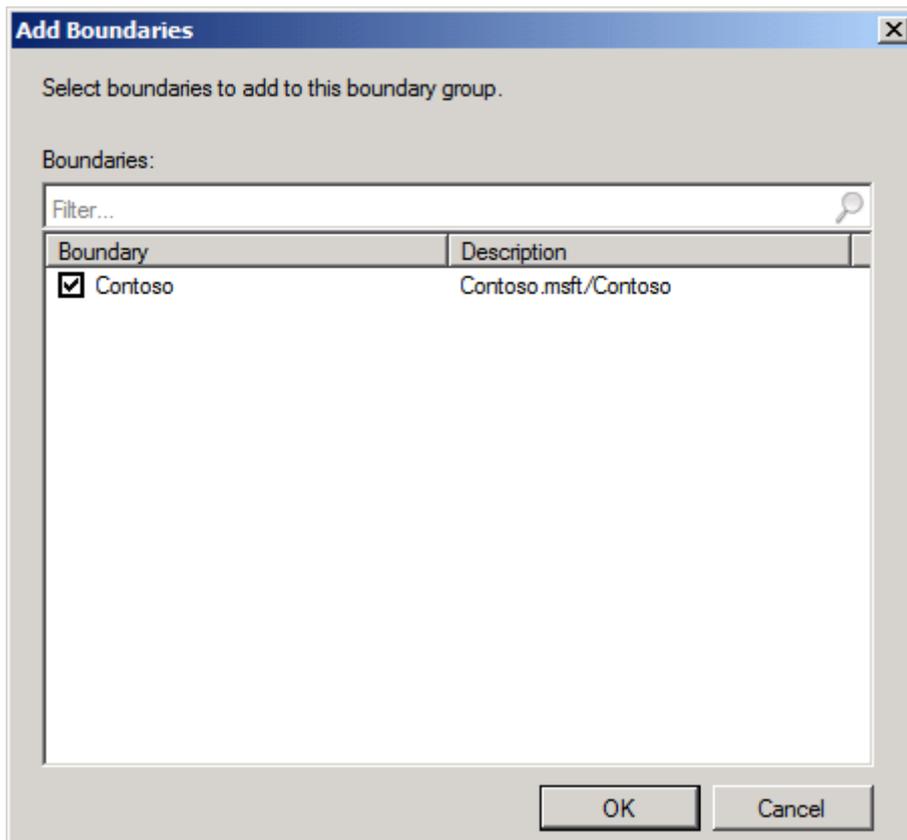
27) Input this boundary group name in **Name** field :



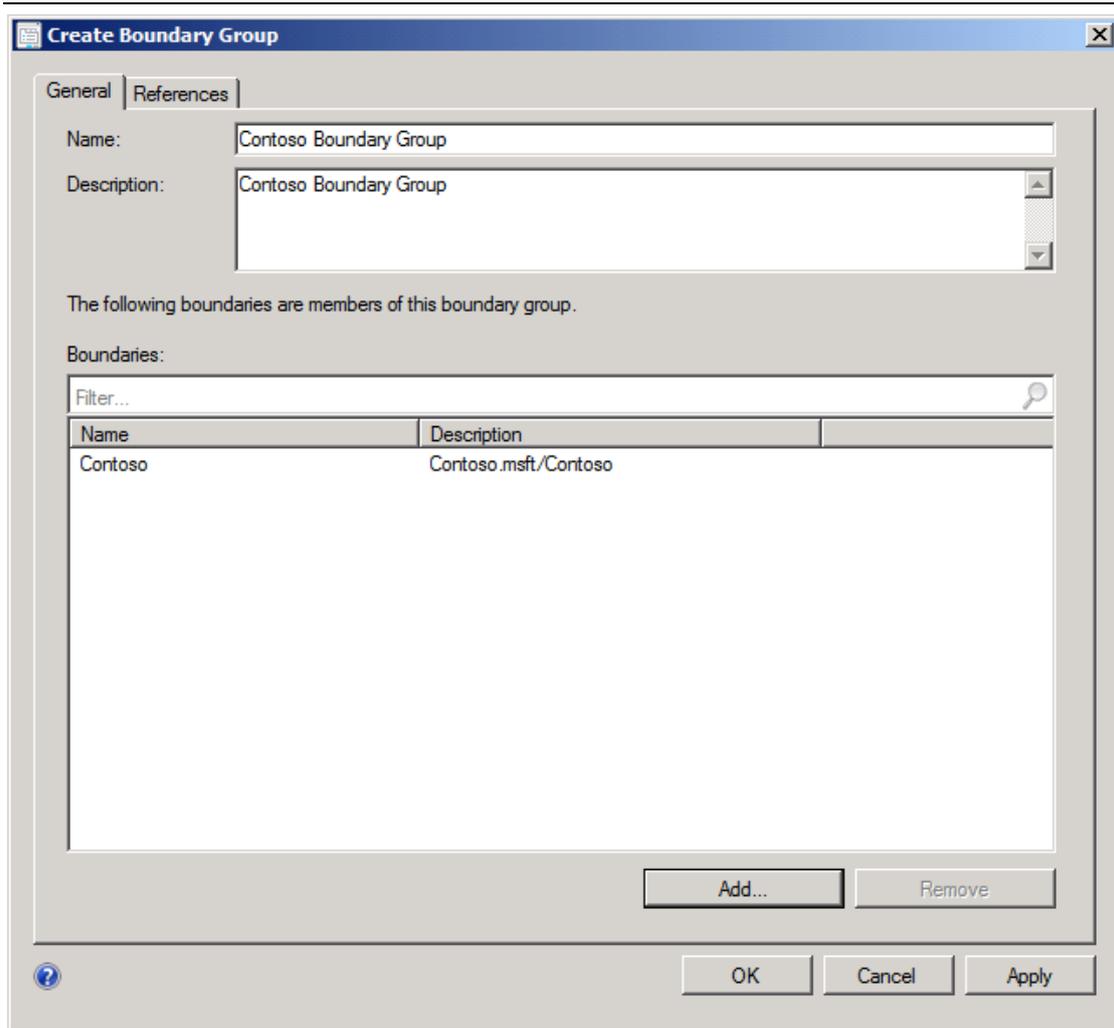
28) Click **Add...** will open **Add Boundaries** box :



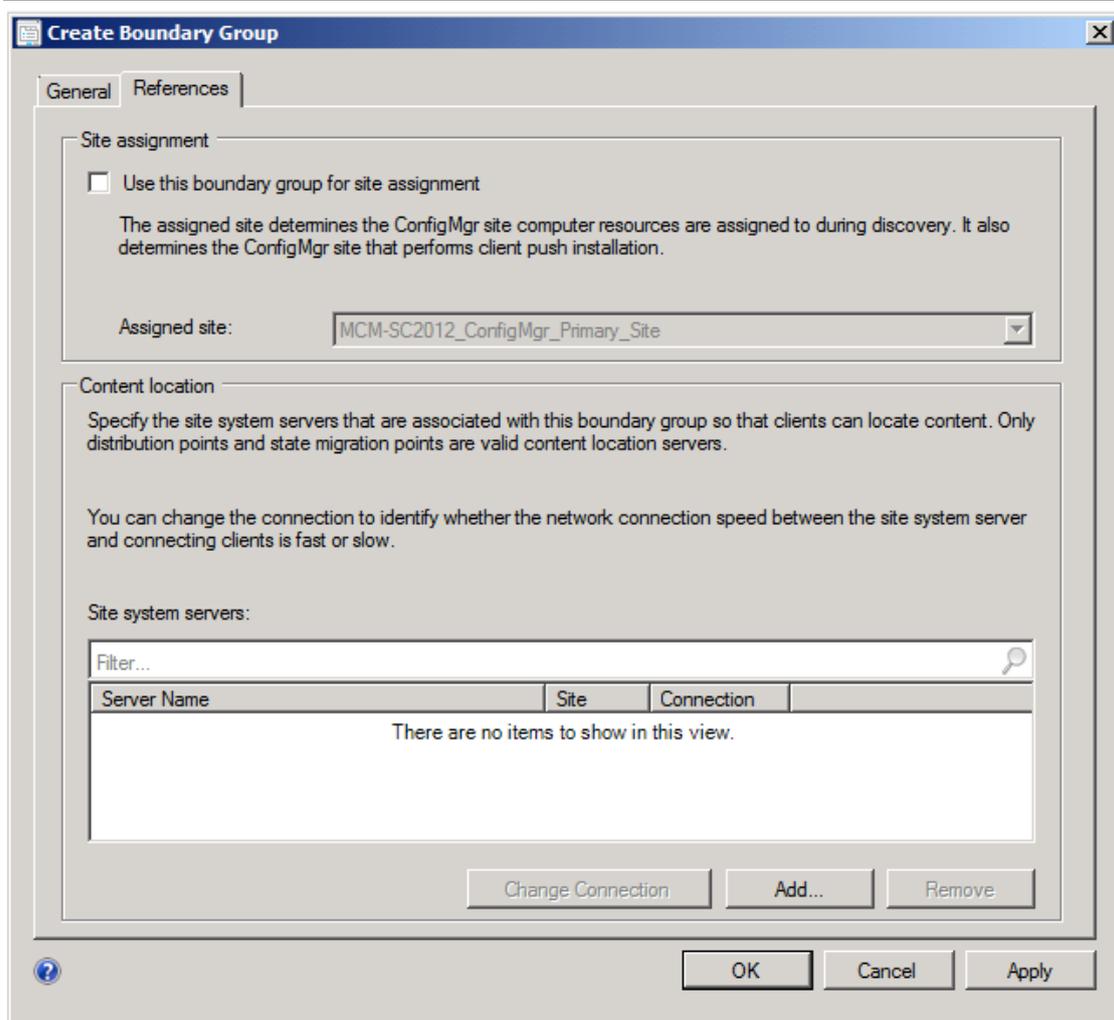
29) Select this boundary :



30) Click **OK** will back to **General** page :

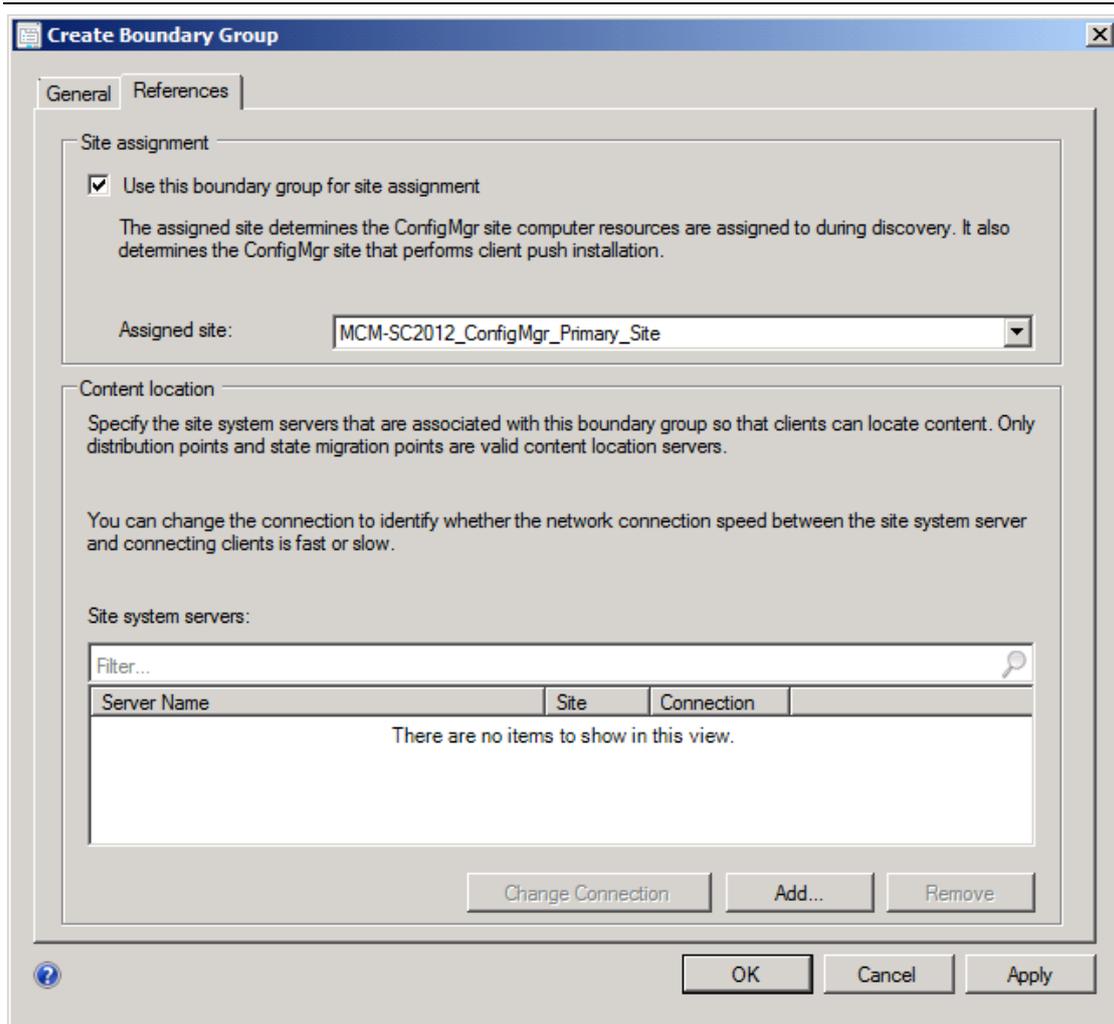


31) Click **References** page :

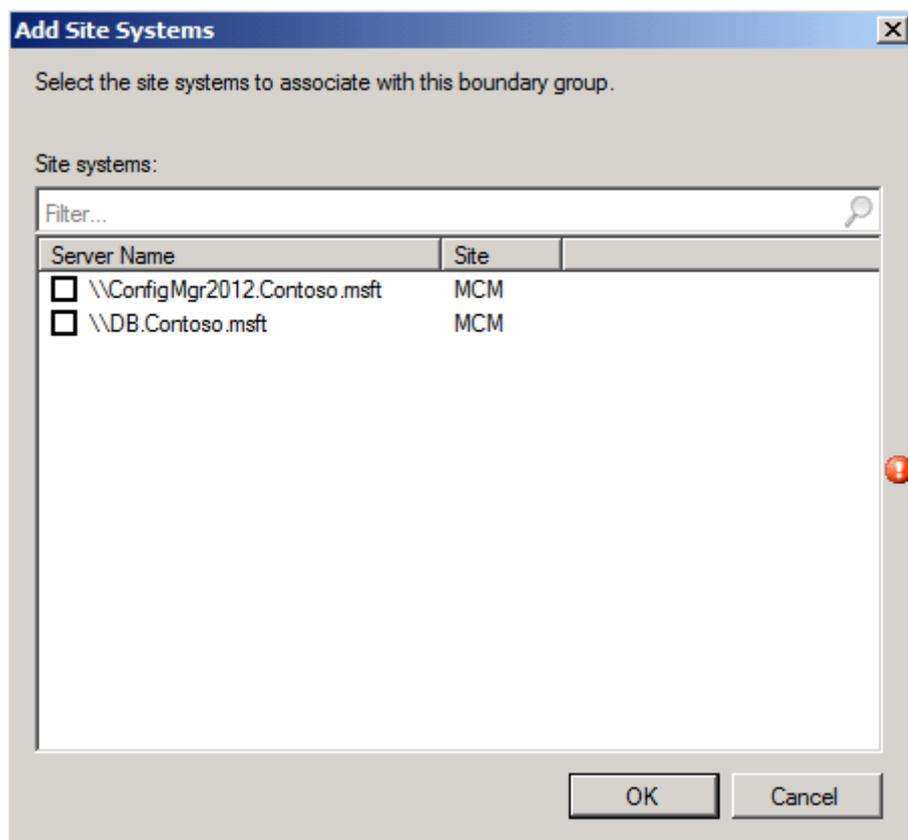


32) If you hope auto assign to this site that discovered resources , please select

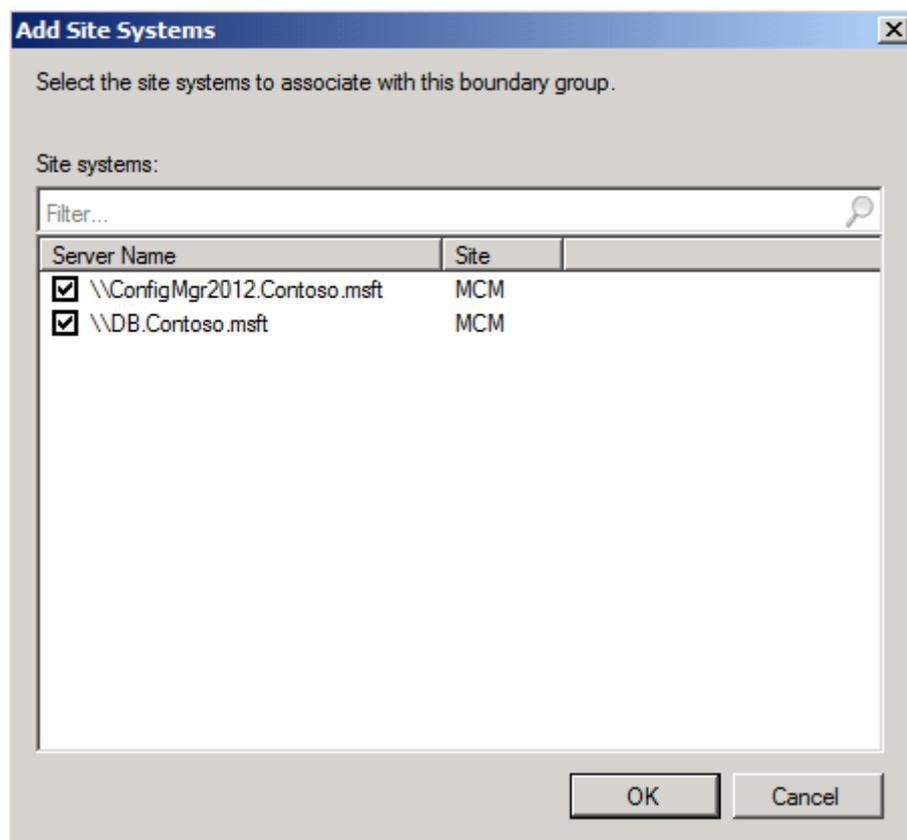
Use this boundary group for site assignment item :



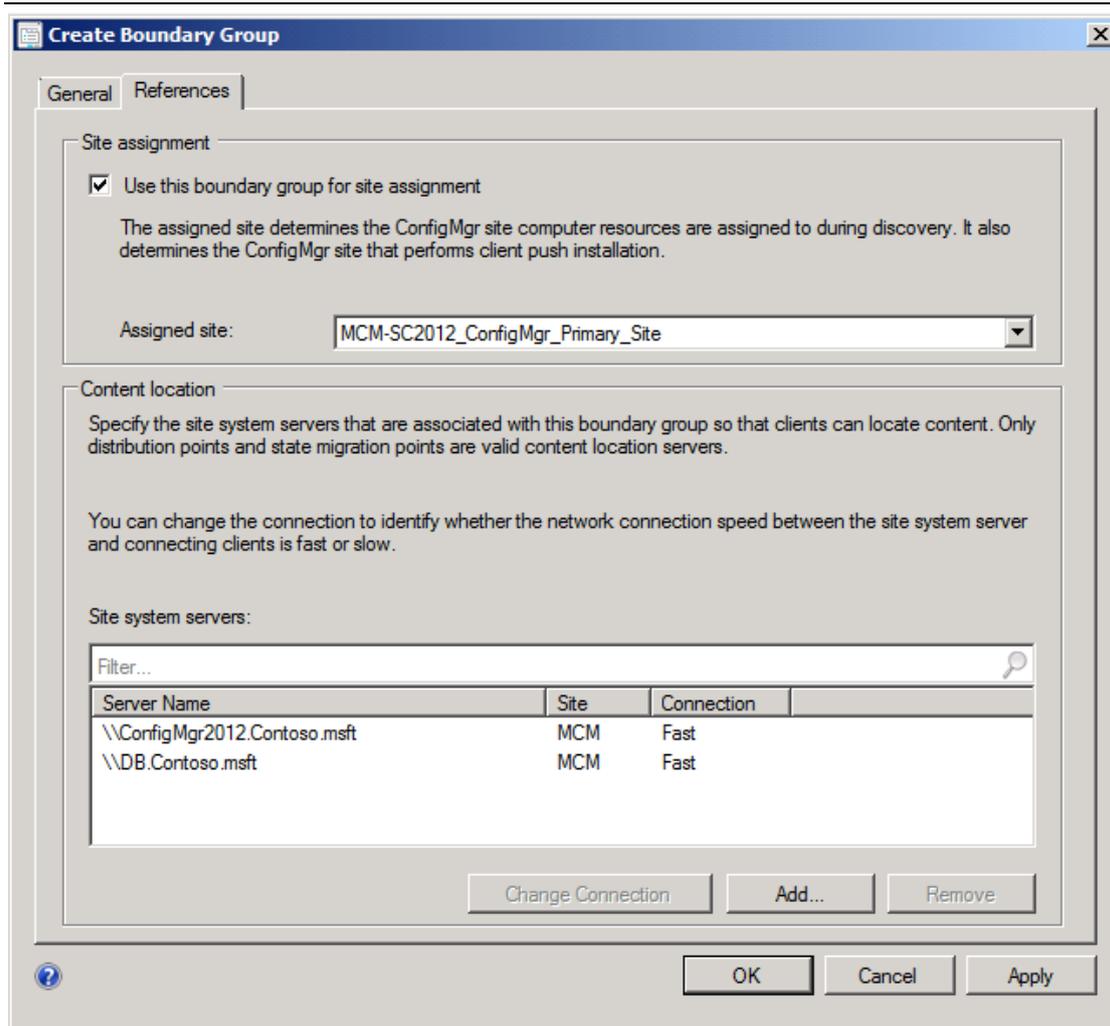
33) In **Content location** part , you can click **Add...** to adding relate site systems , click **Add...** will open **Add Site Systems** box :



34) Select all server :

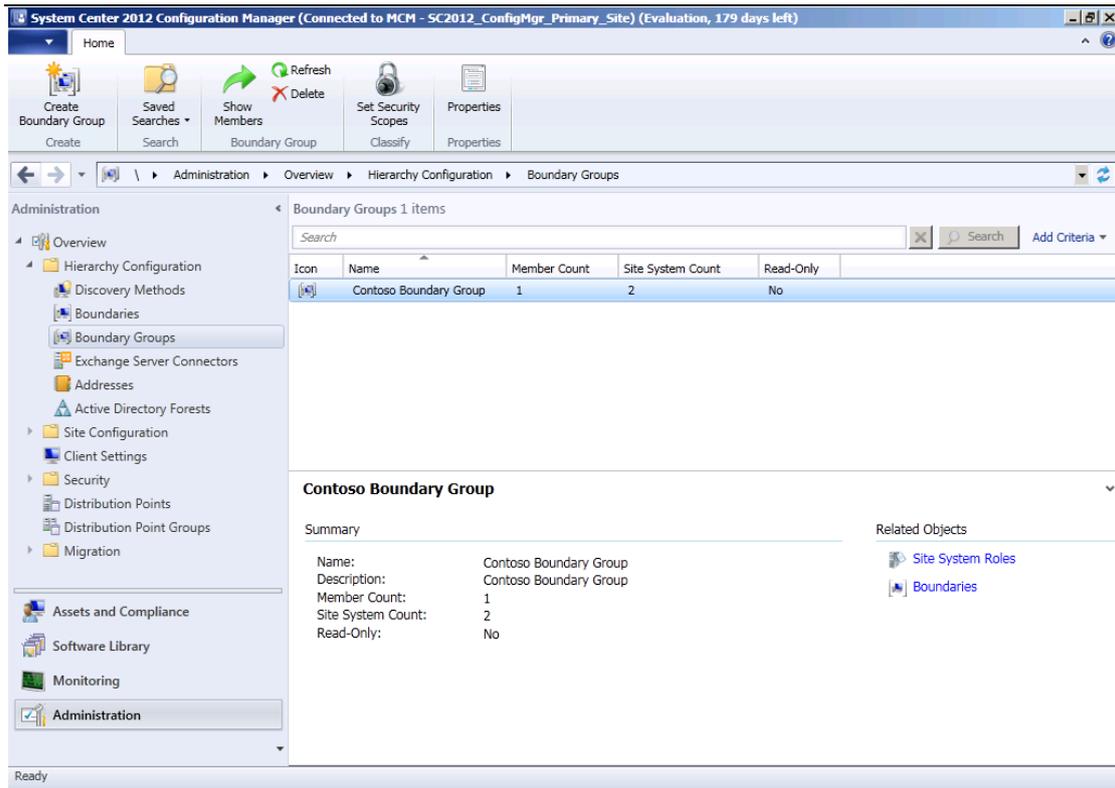


35) Click **OK** will back to **References** page :



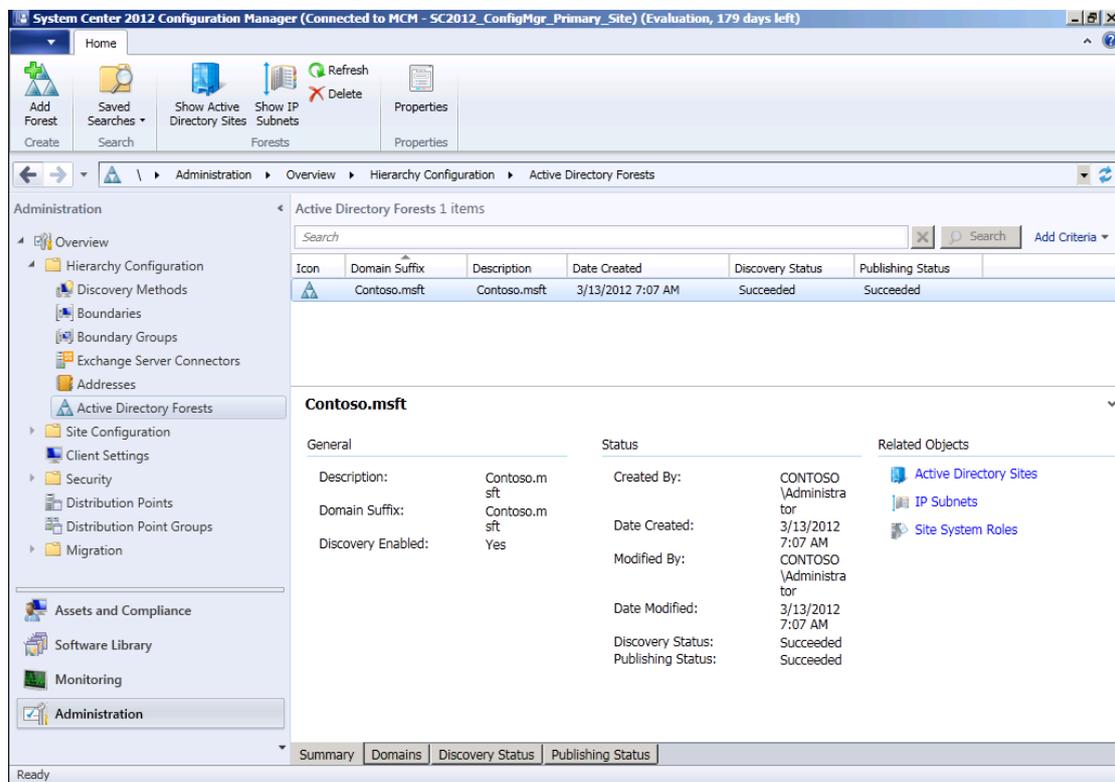
36) Click **Apply**---**OK** , the boundary group is created :

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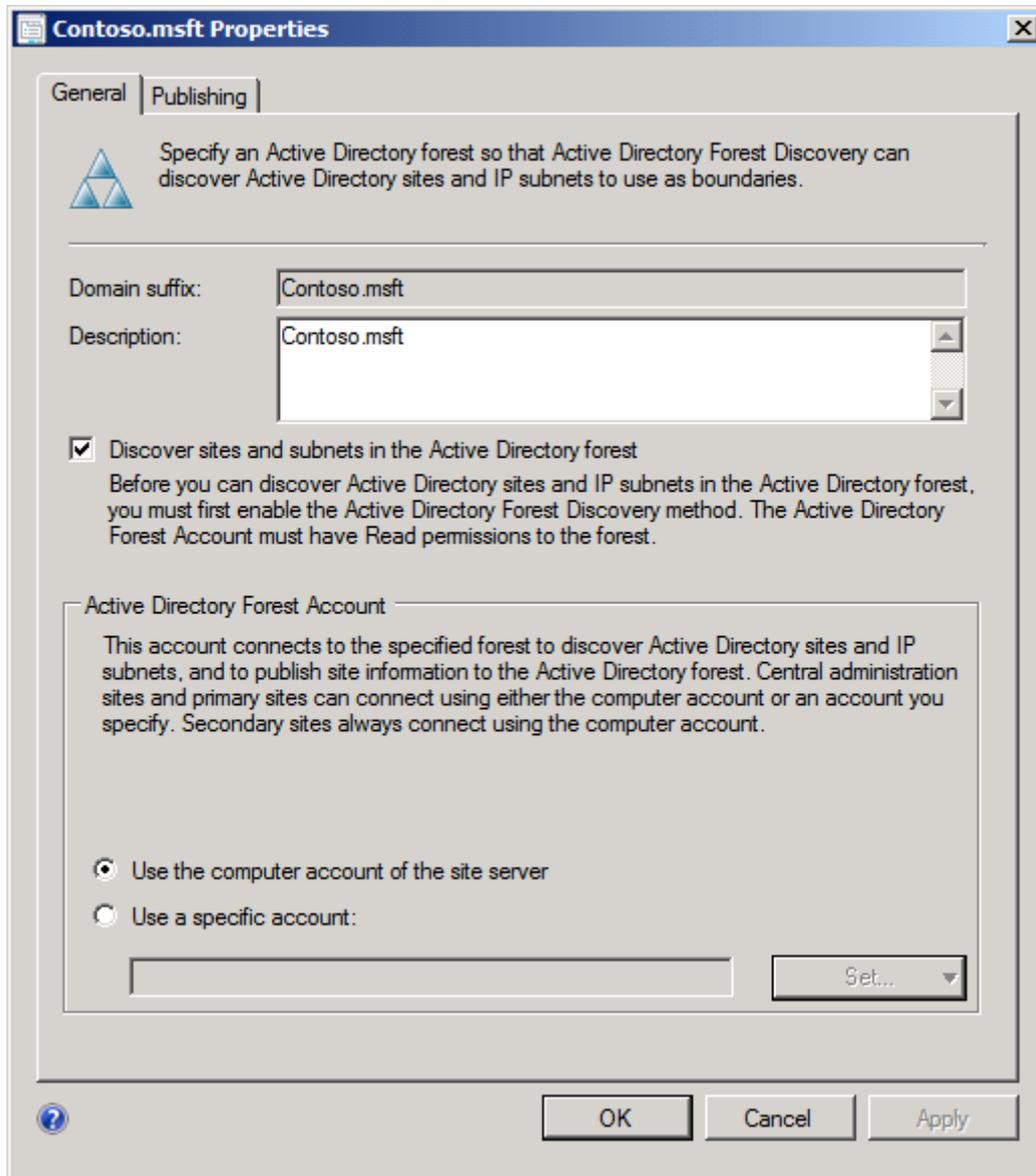
37) Click **Active Directory Forests** node , you can see discovered AD forest

resource :



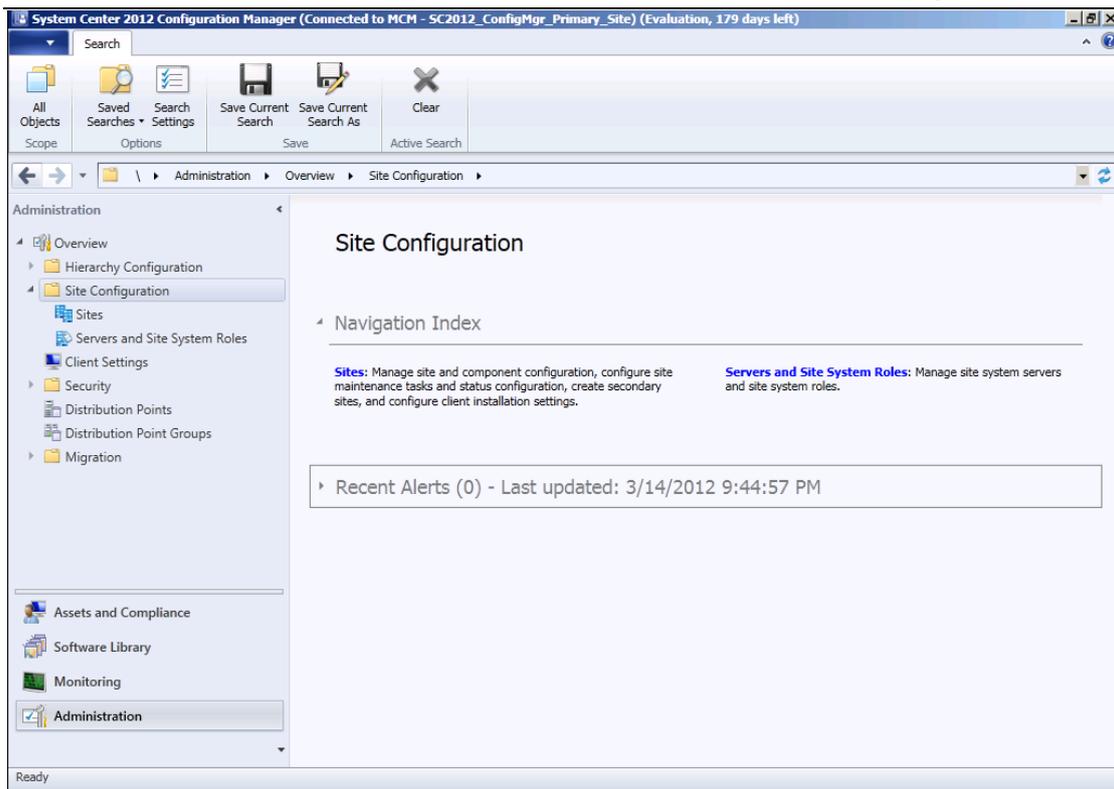
38) In **Ribbon** zone, click **Properties** item will open **Contoso.msft Properties**

box :

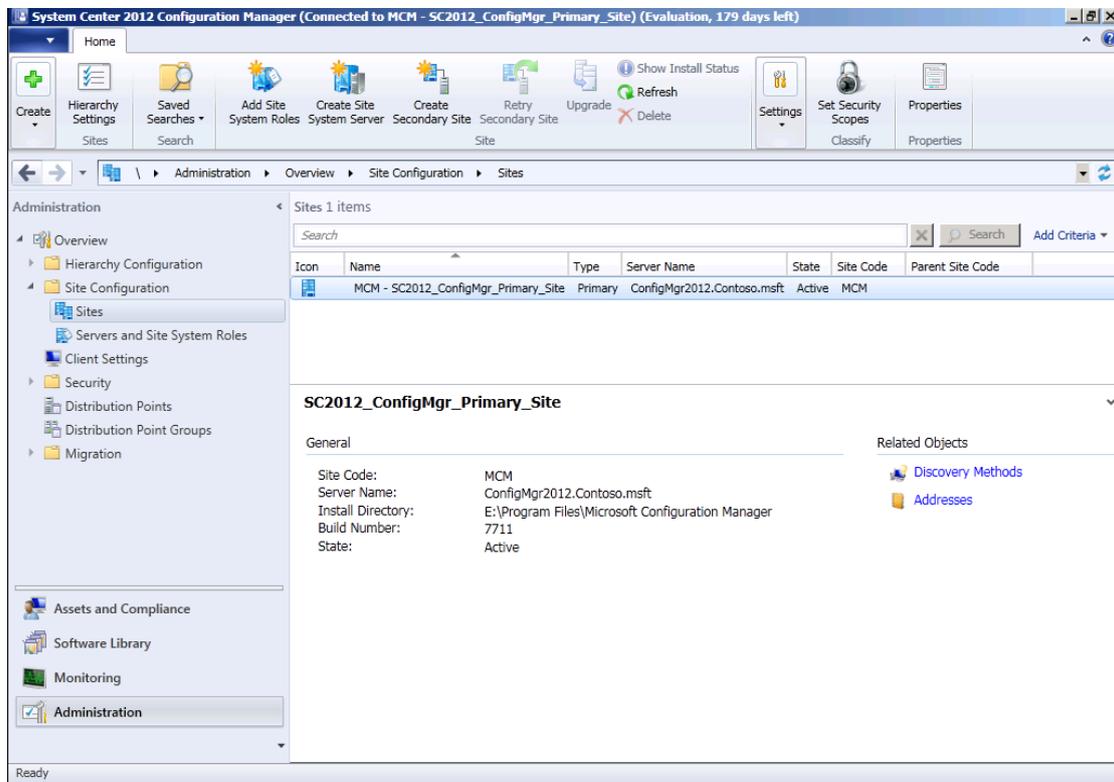


39) You can setting relate items and click **OK** . Click **Site Operations** node :

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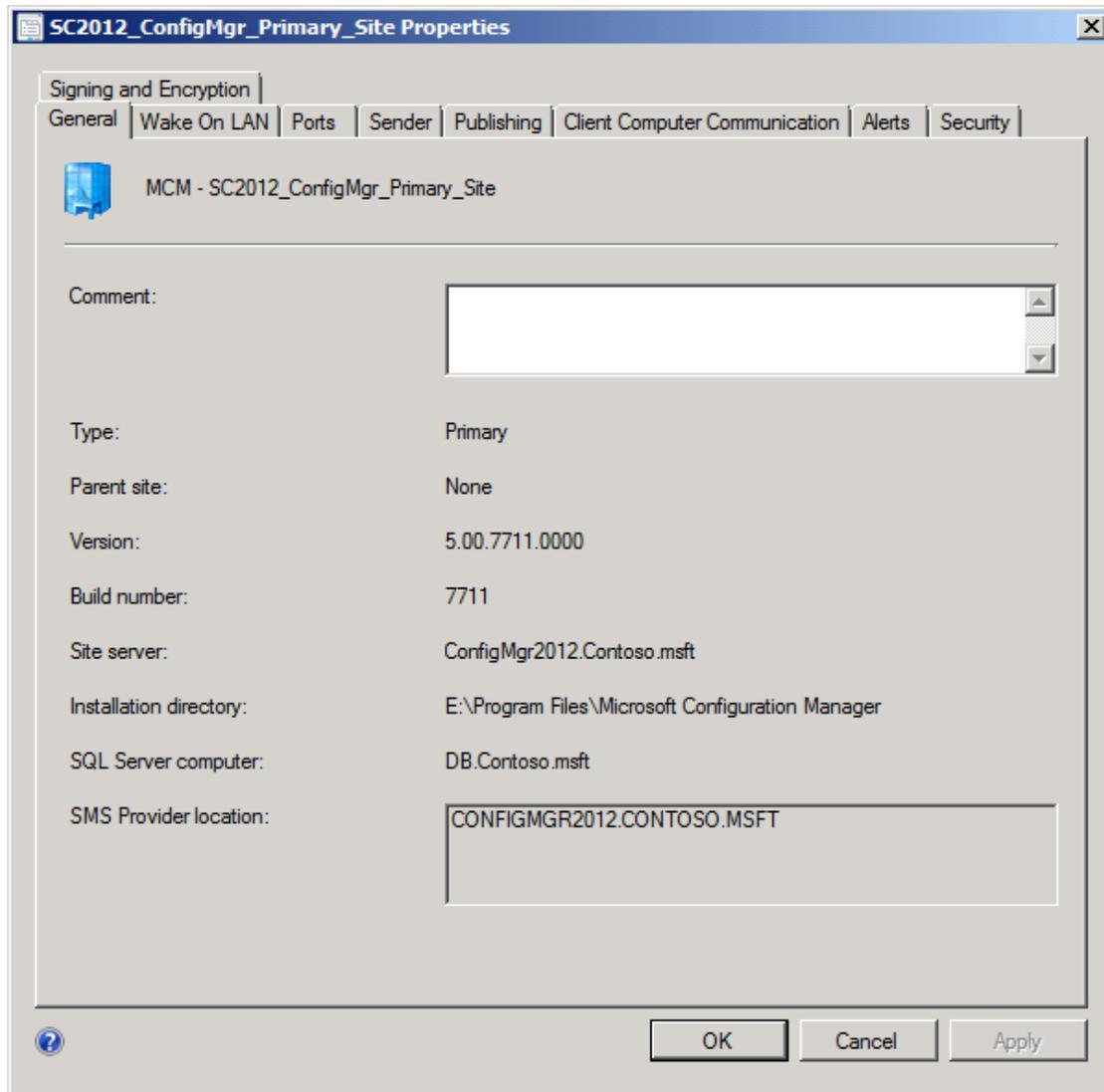
40) Click **Sites** node ,you can see installed SC2012 ConfigMgr site information :

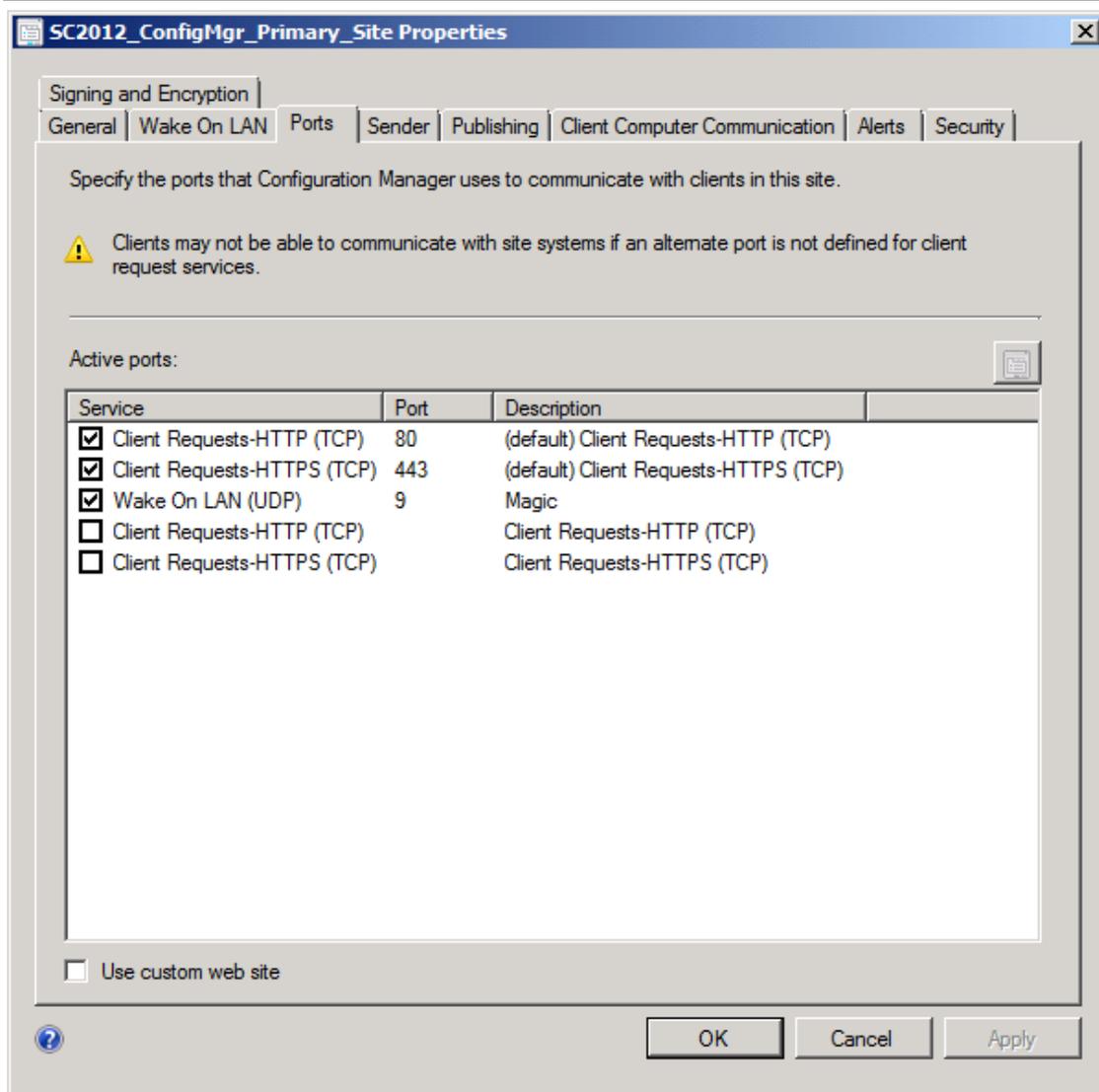


41) In **Ribbon** zone click **Properties** item , you can see this site relate settings

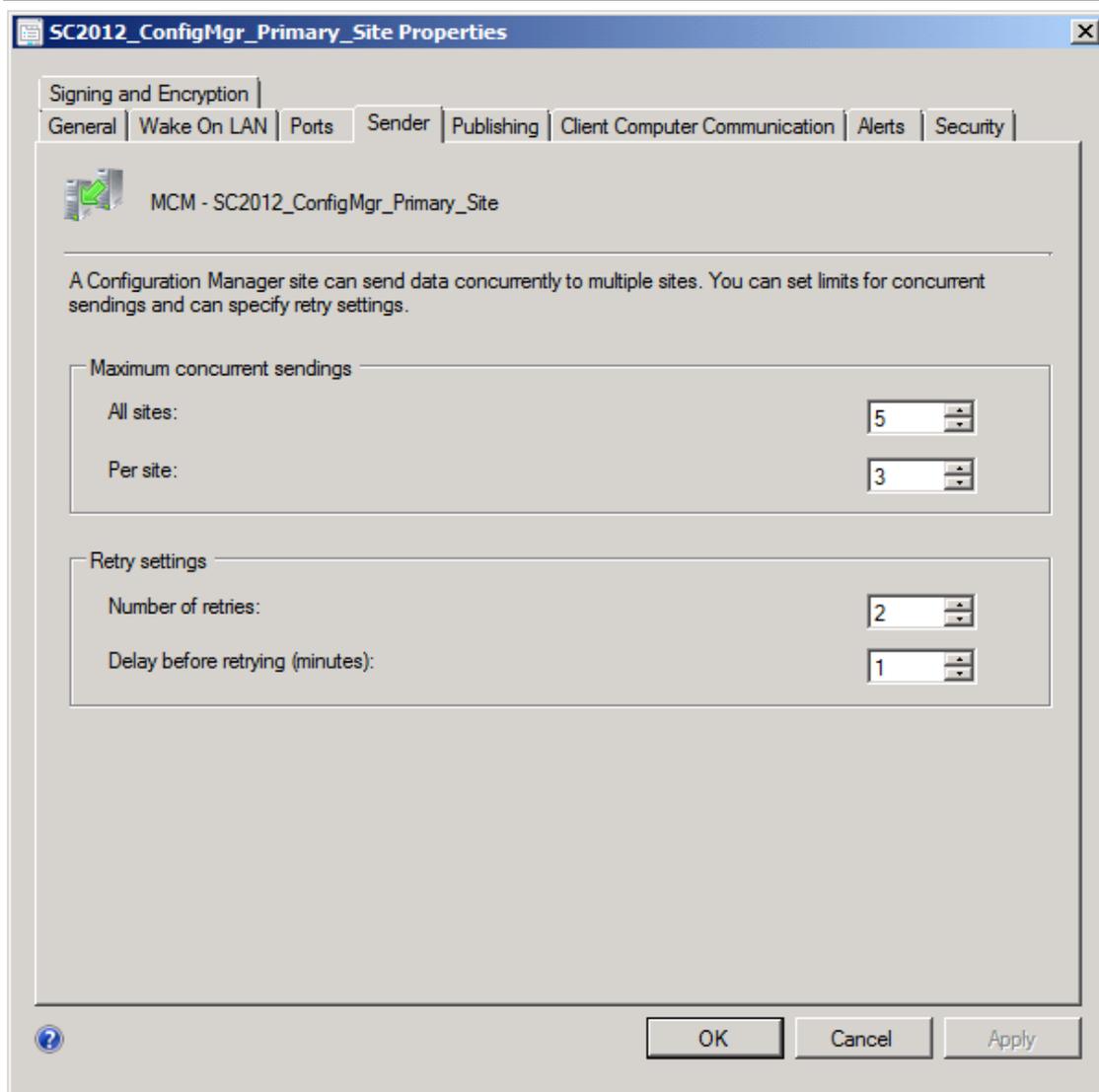
Justin Gao 高扬
yanga@microsoft.com
http://blogs.technet.com/b/justin_gao

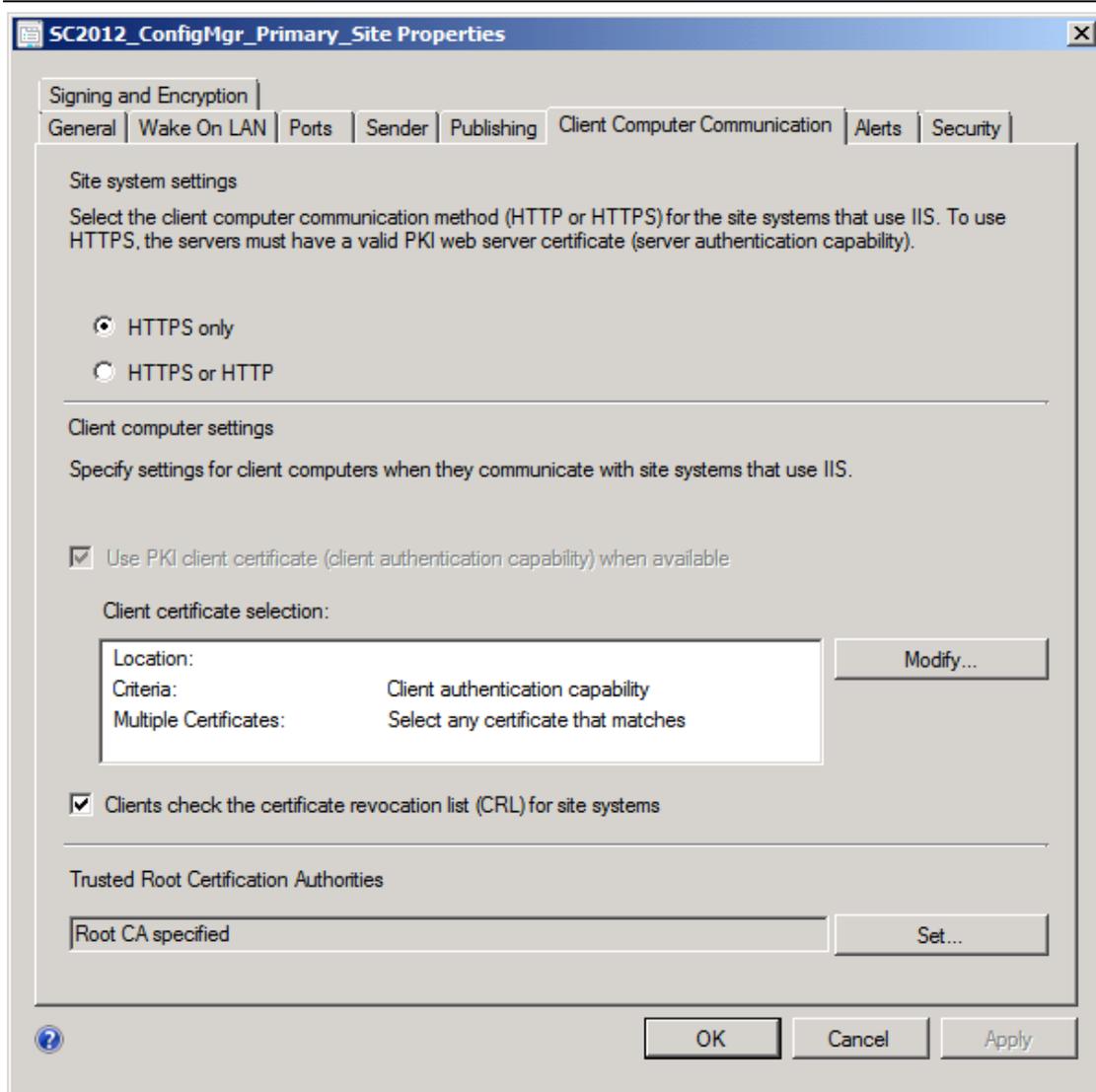
and information :



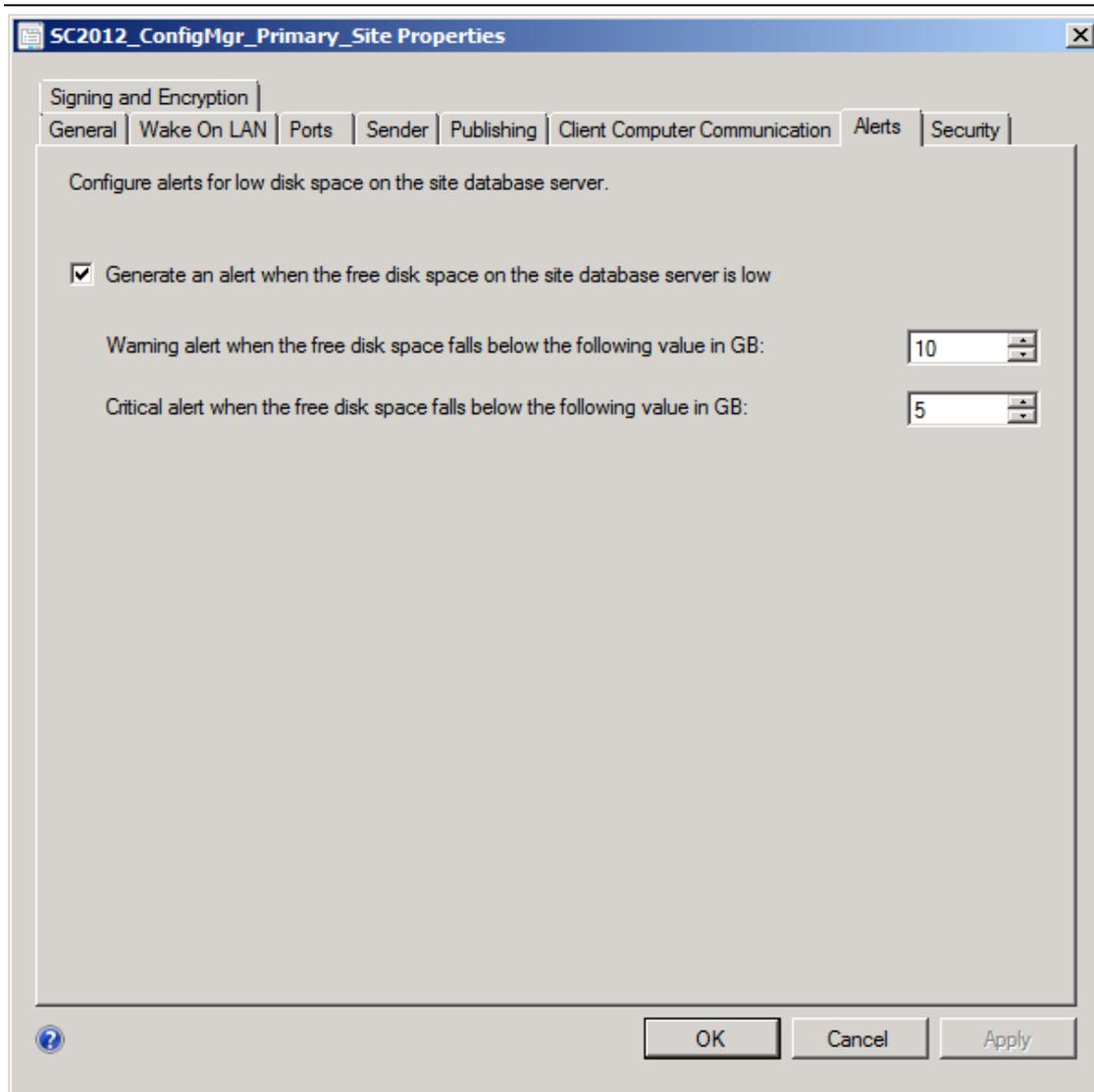


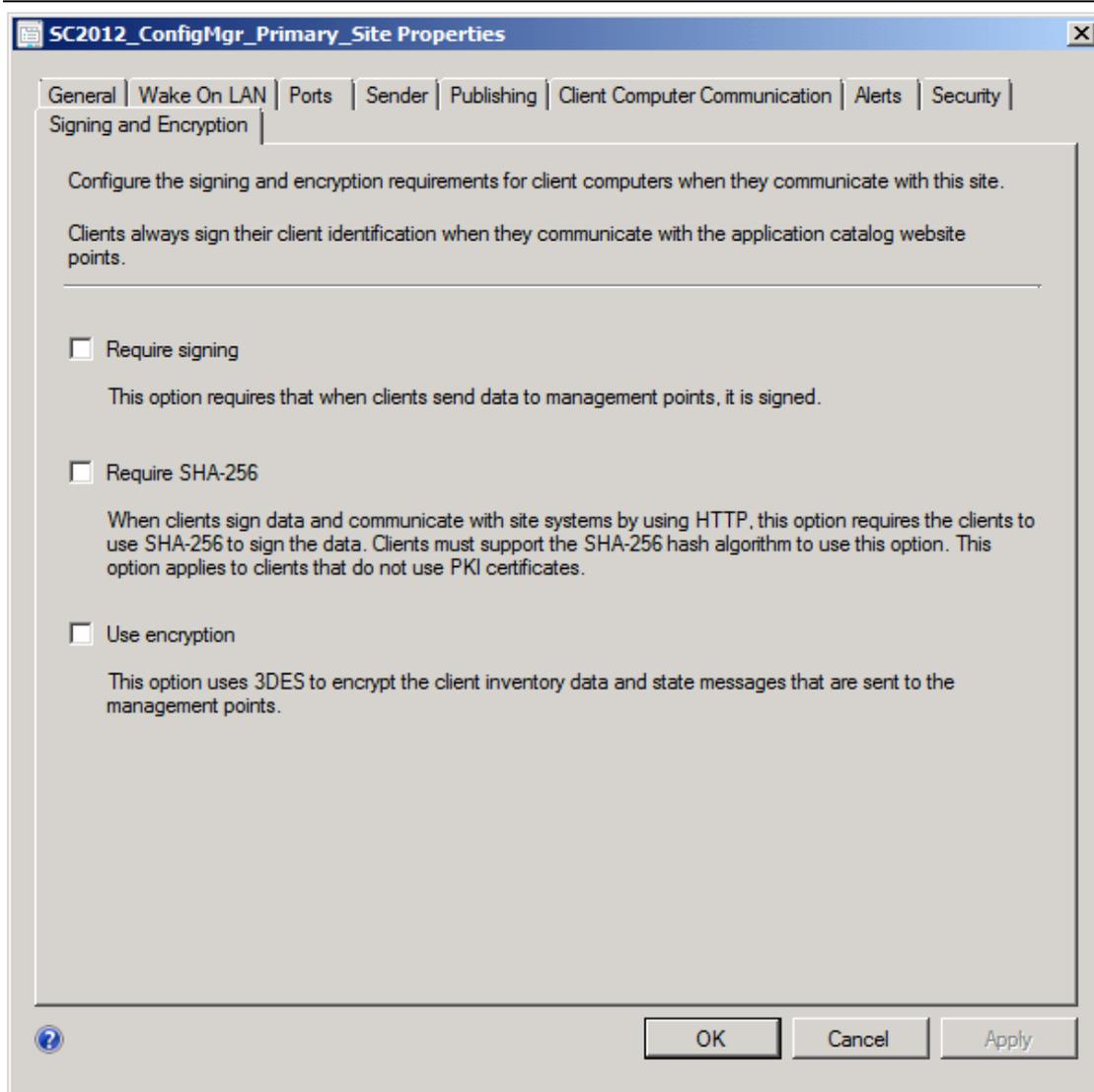
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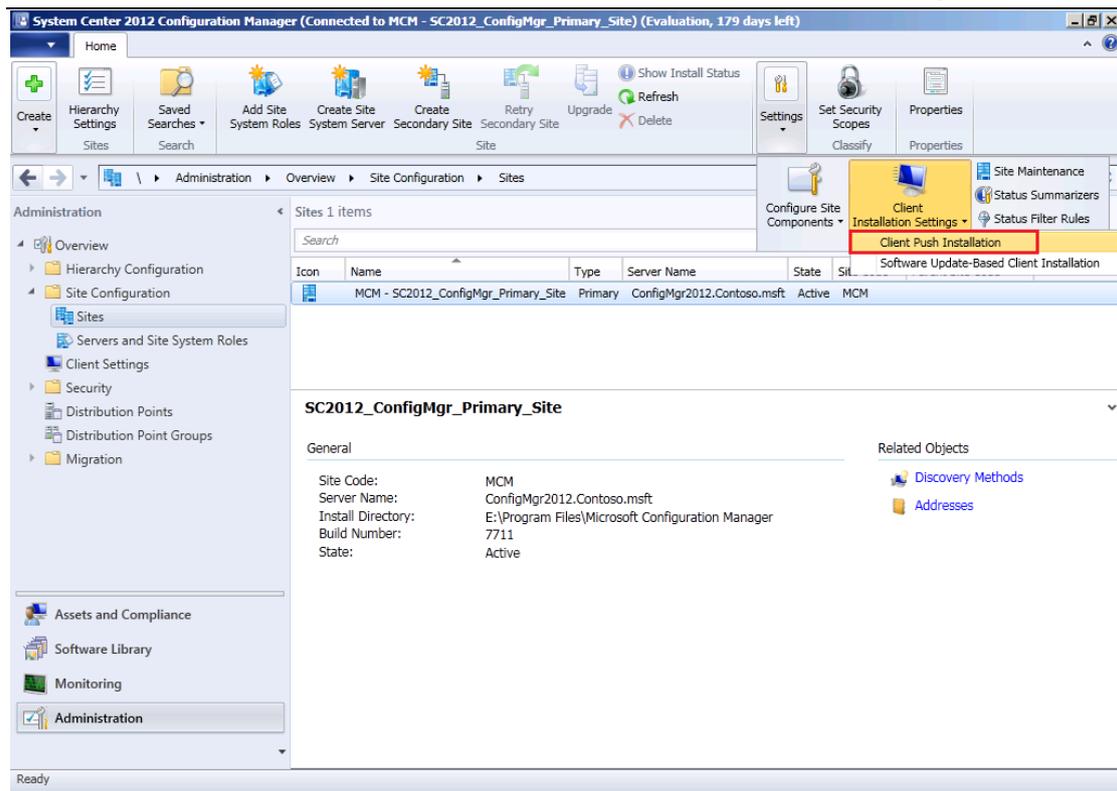




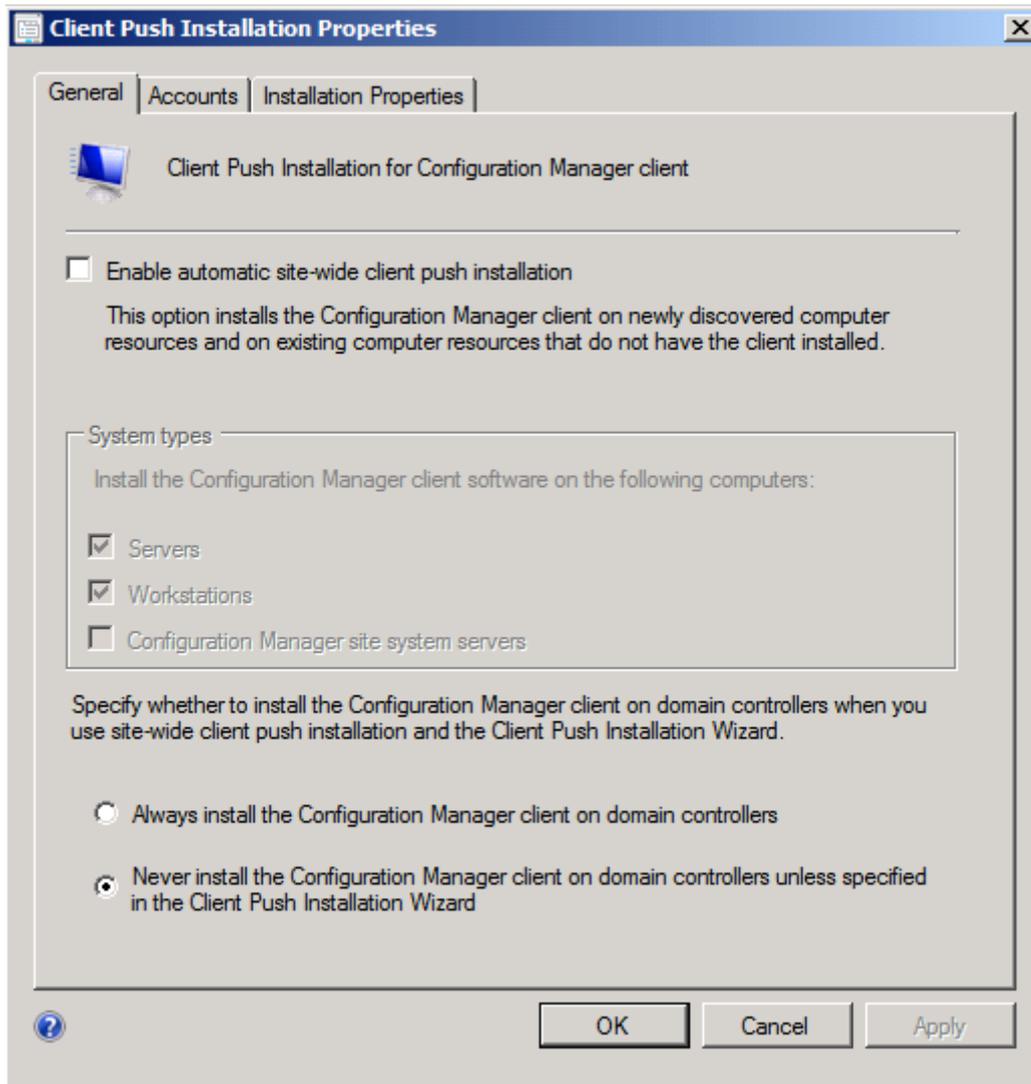
42) Click **OK** . In Ribbon zone , click **Settings---Client Installation**

Settings---Client Push Installation item :

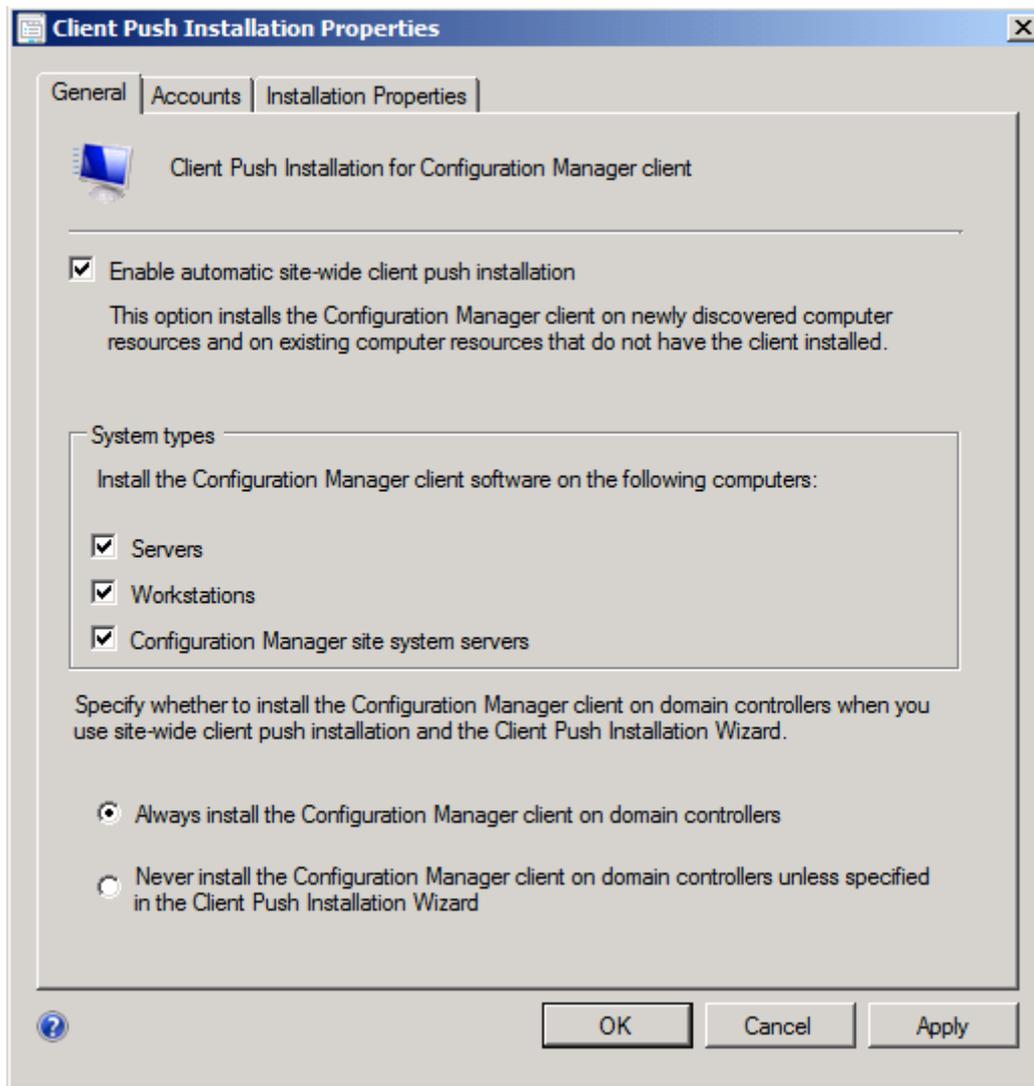
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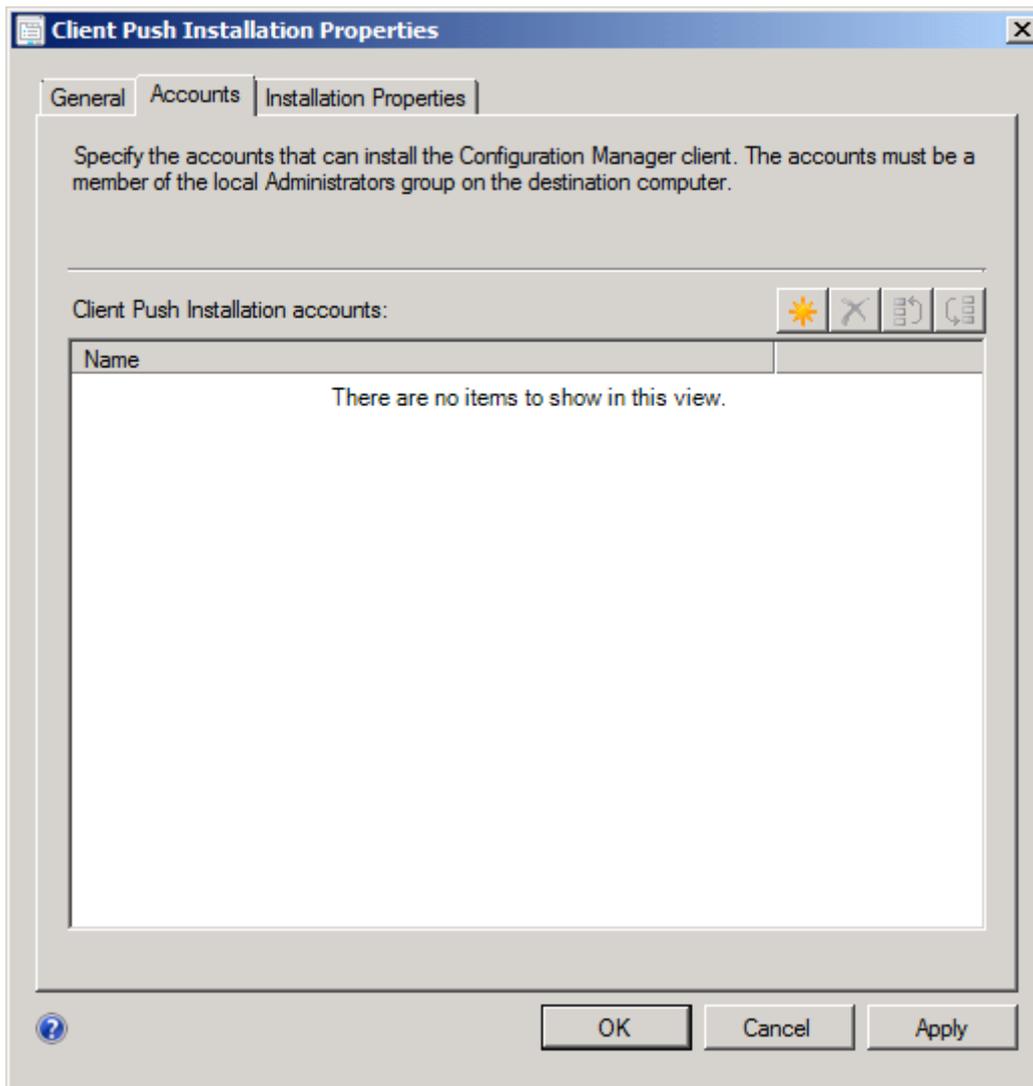
43) Will open **Client Push Installation Properties** box :



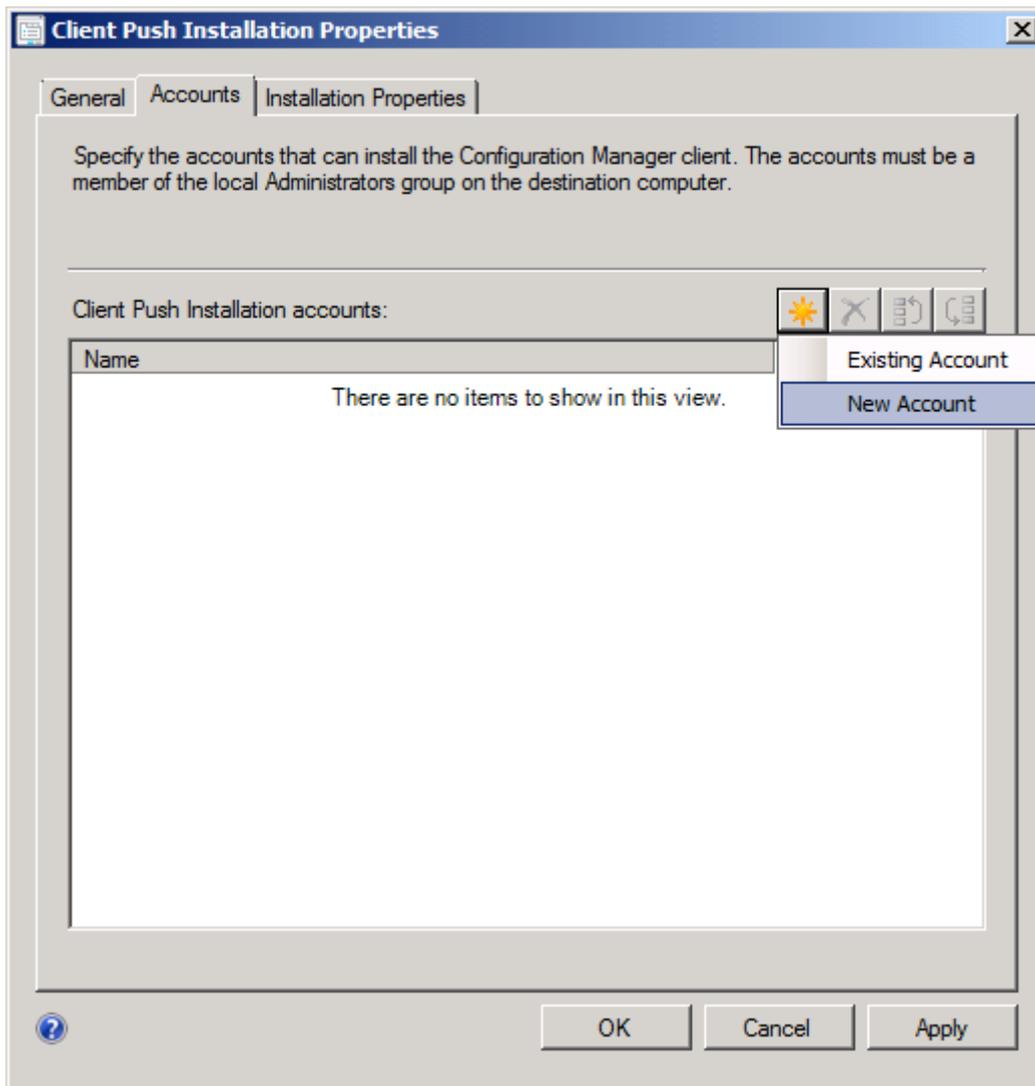
44) In **General** page , select **Enable automatic site-wide client push Installation** item , other item need to base on your requirements to choose :



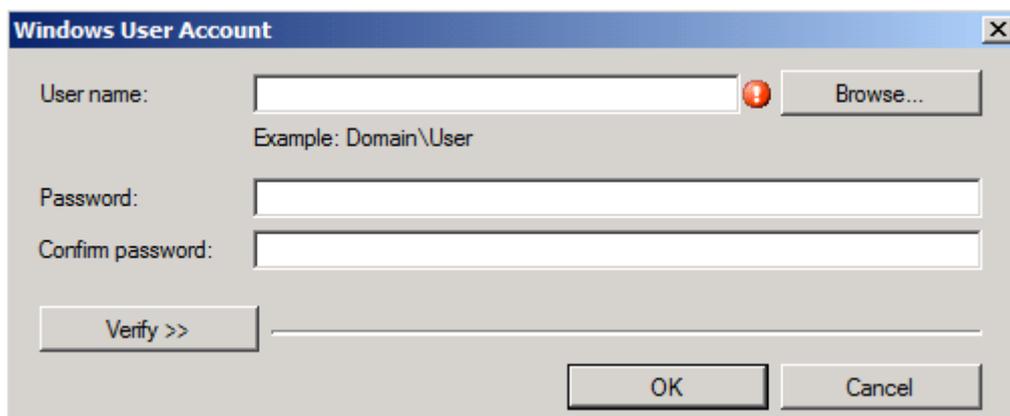
45) Click **Accounts** page :



46) Click  button , will display two options :

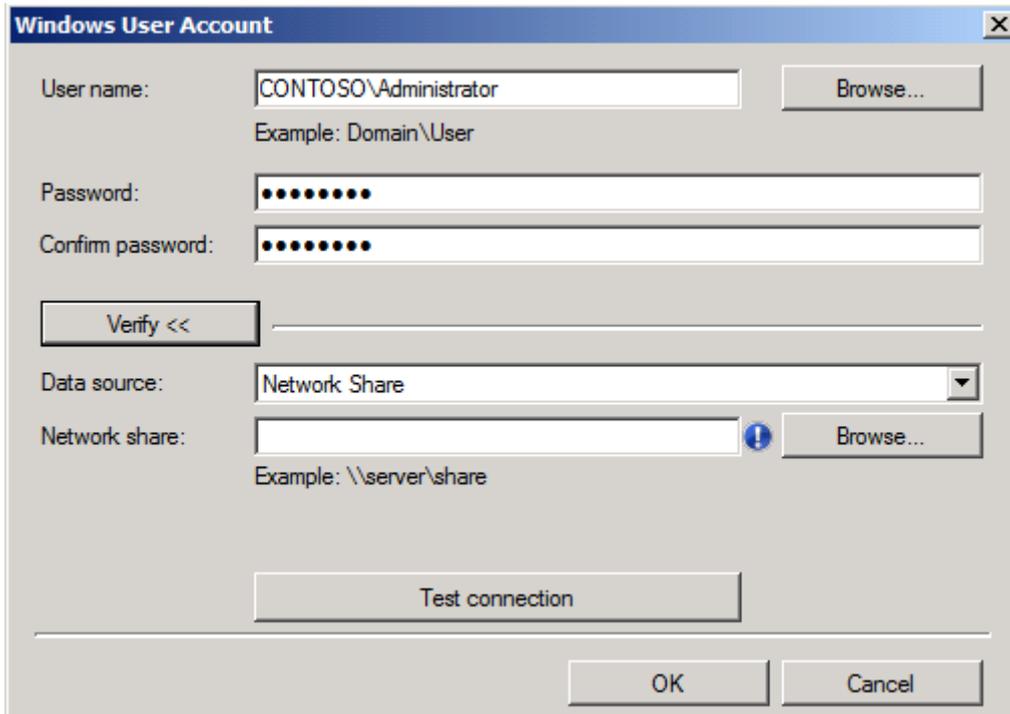


47) Click **New Account** , will open **Windows User Account** box :

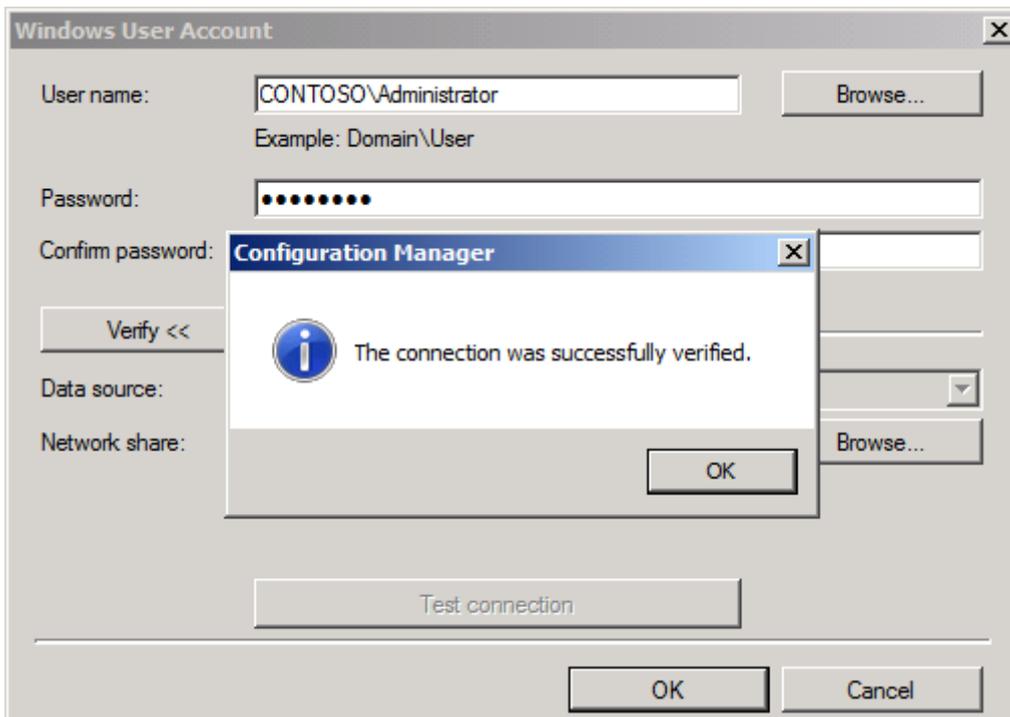


48) Input user name or click **Browse...** to select a user , type this user password

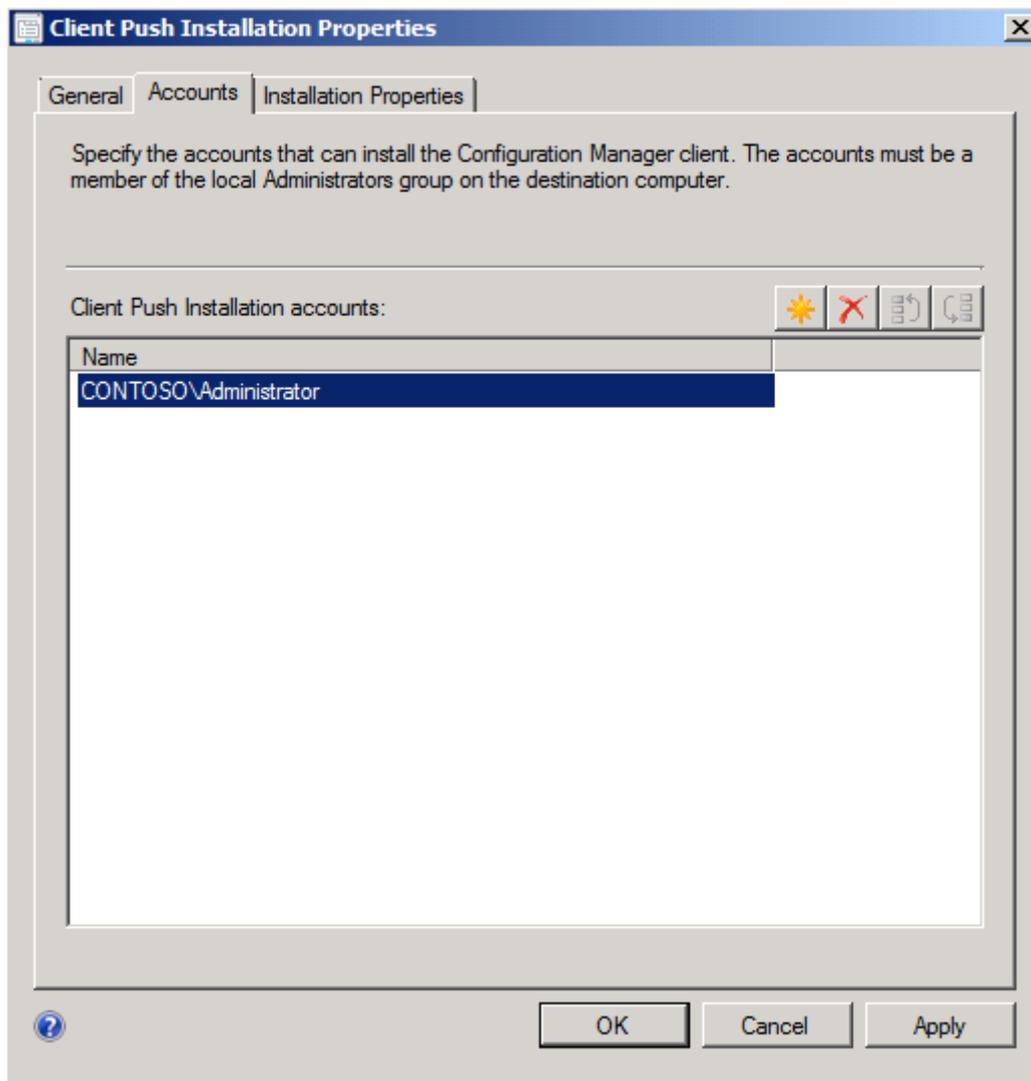
in **Password** and **Confirm password** field :



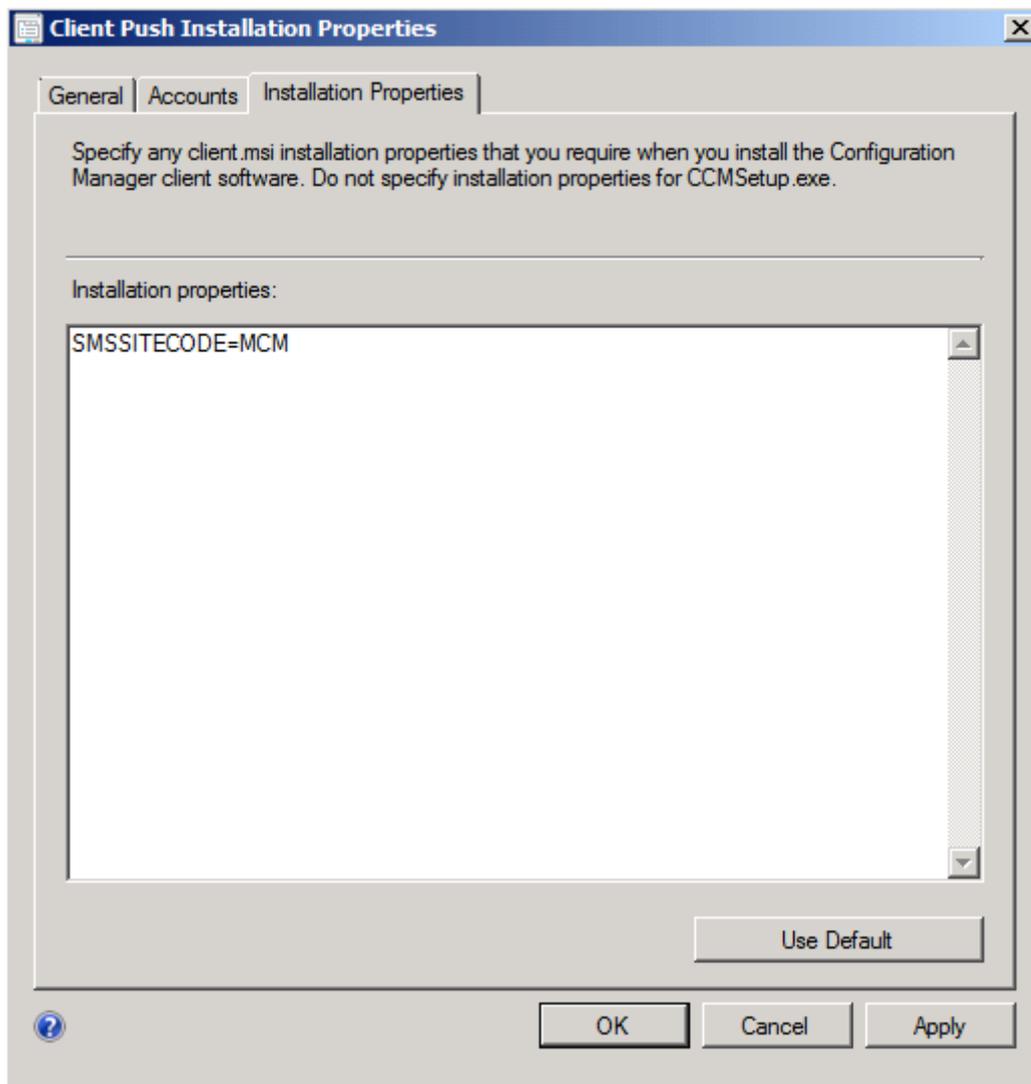
49) If you need to verify this user , you can click **Verify>>** , type a network share path in **Network share** field , click **Test connection** to verify :



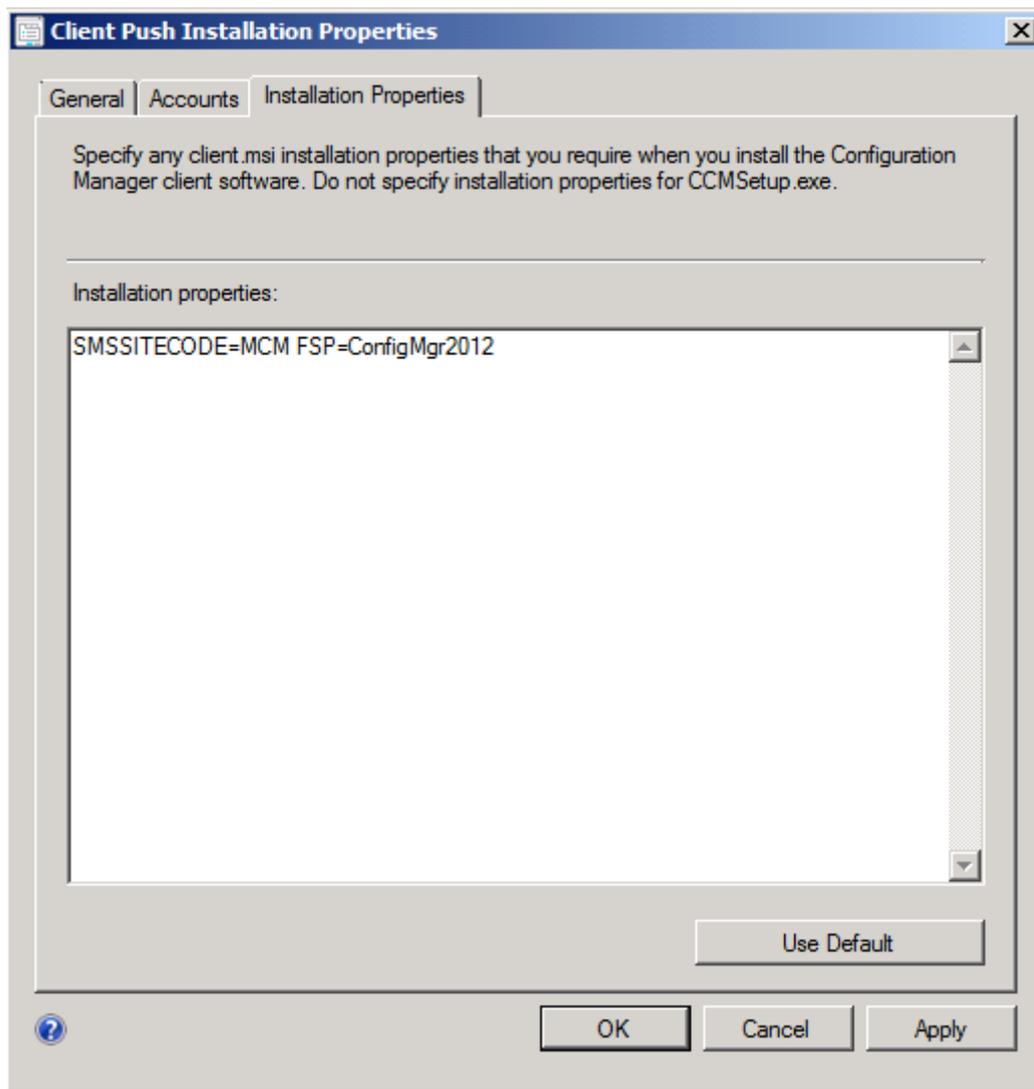
50) Click **OK** twice will back to **Accounts** page :



51) Click **Installation Properties** page , you can see the **Installation properties:**

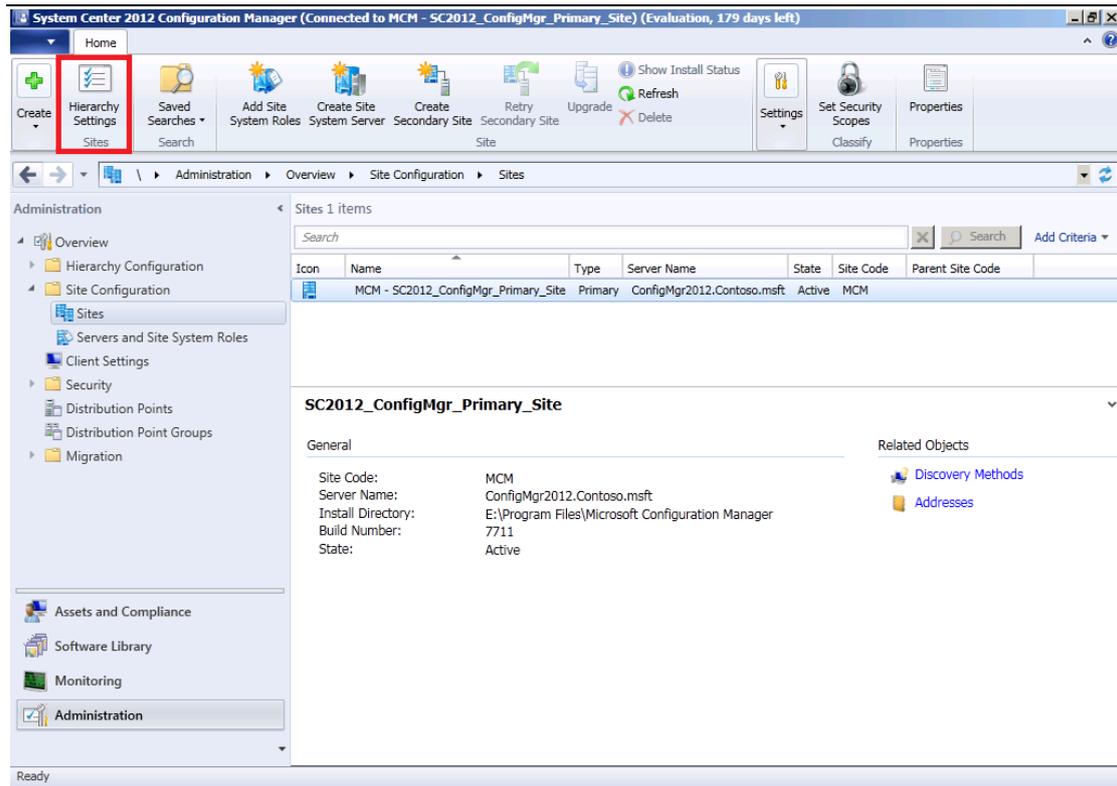


52) In **Installation properties** box , you can type other installation properties :

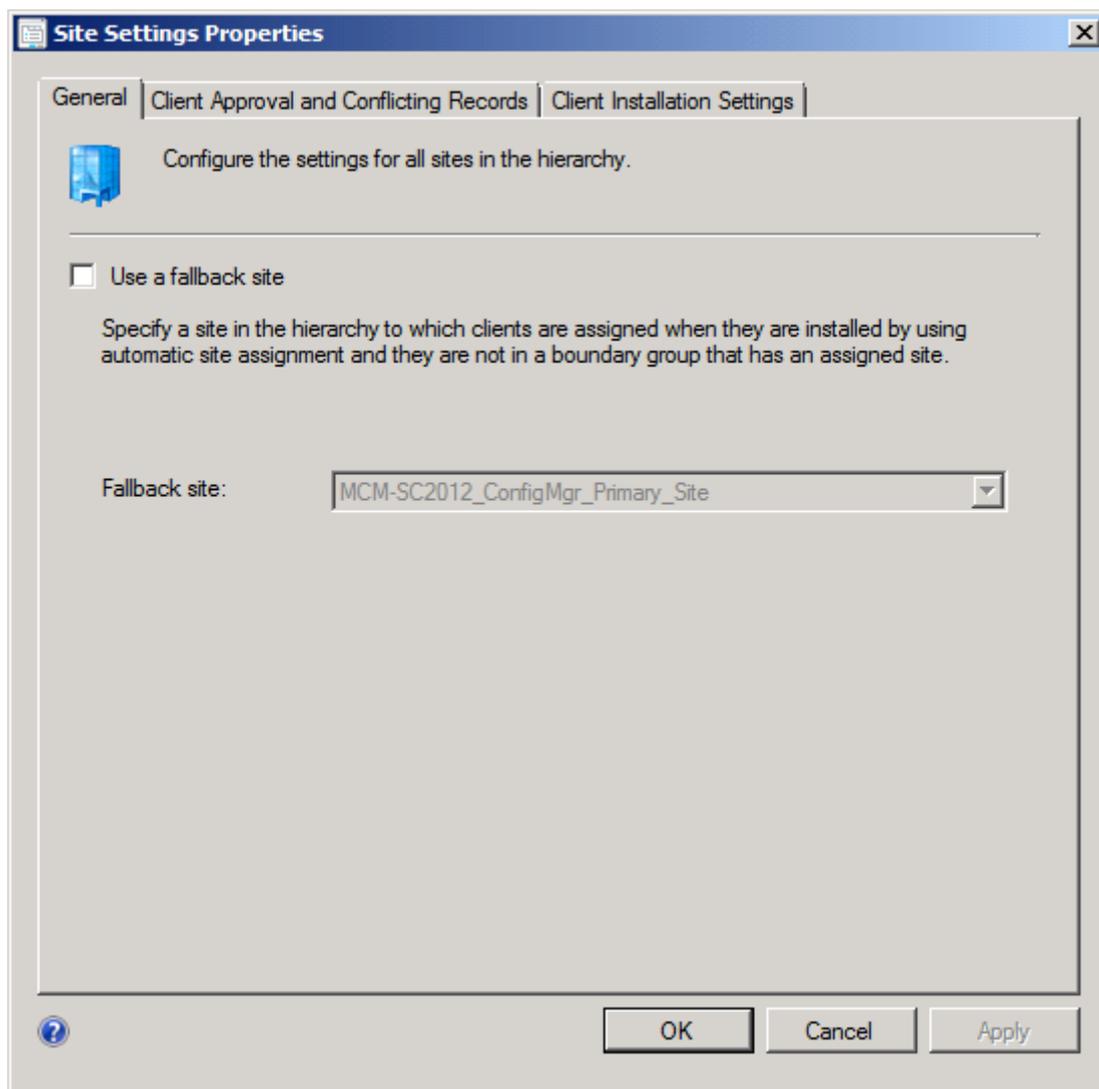


53) Click **Apply**---**OK** will back to **Sites** node, click **Hierarchy Settings** :

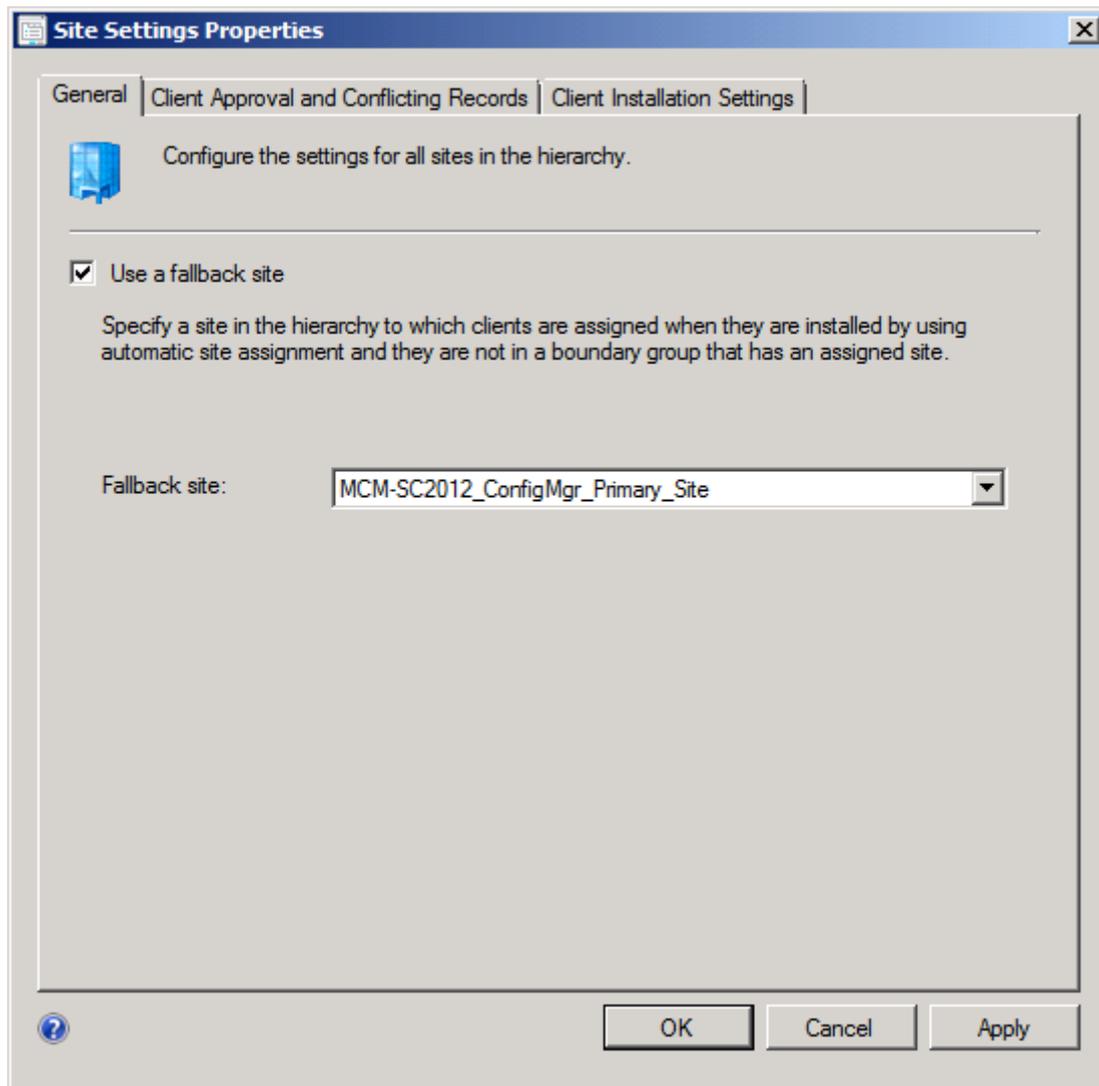
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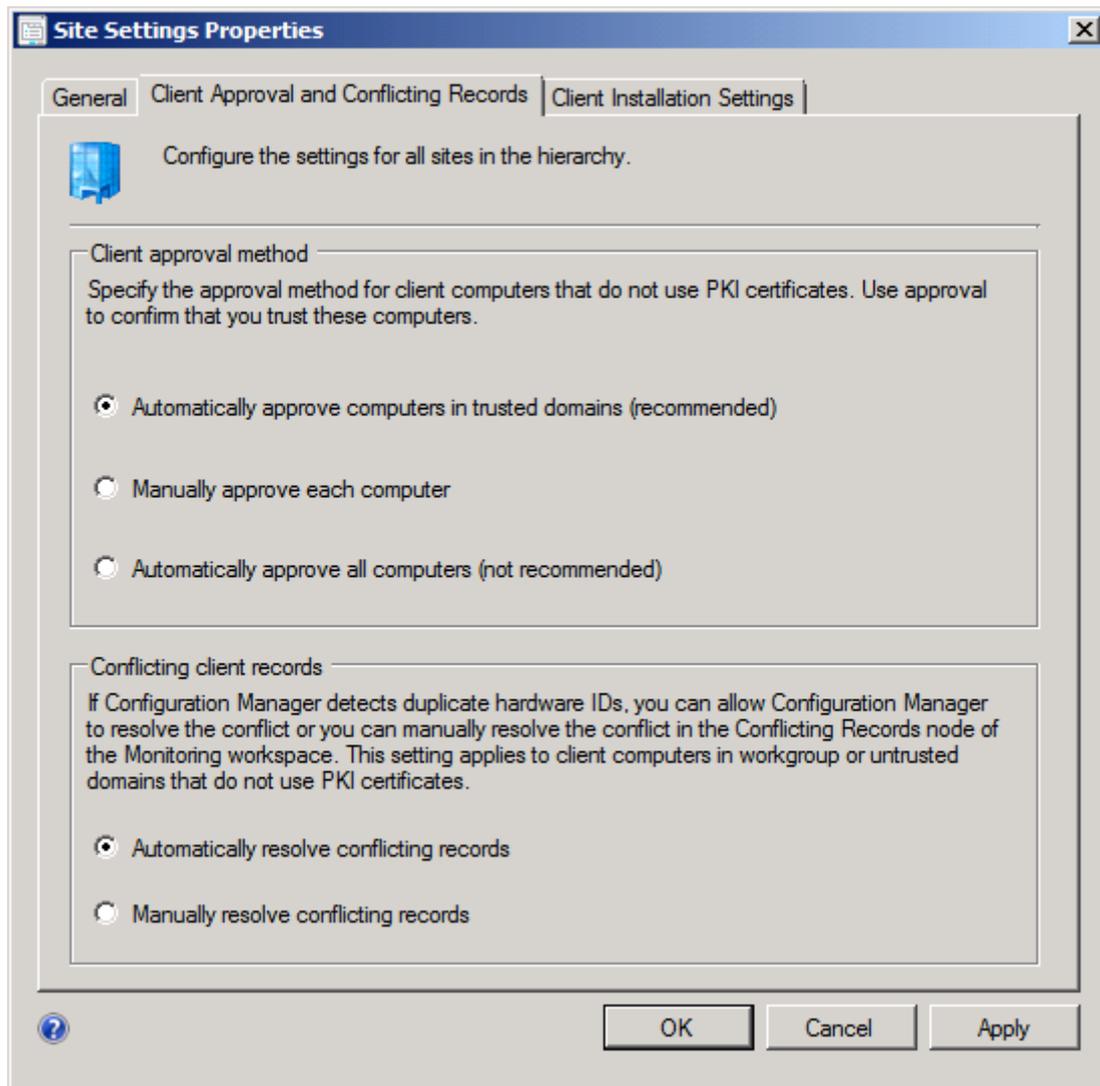
54) Will display **Site Settings Properties** box :



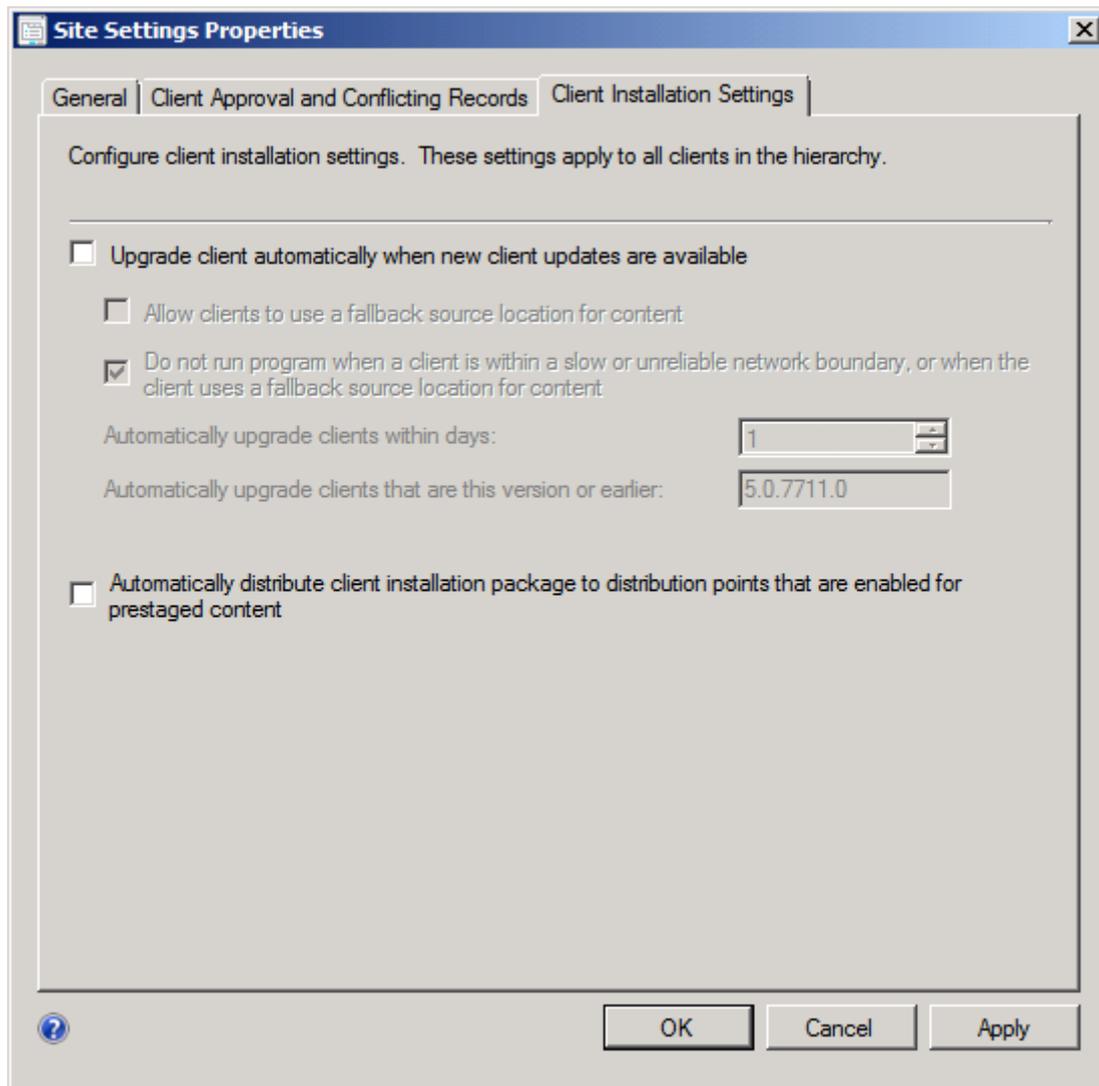
55) Select **Use a fallback site** item :



56) In **Client Approval and Conflicting Records** page , you can setting **Client approval method** and **Conflicting client records** :



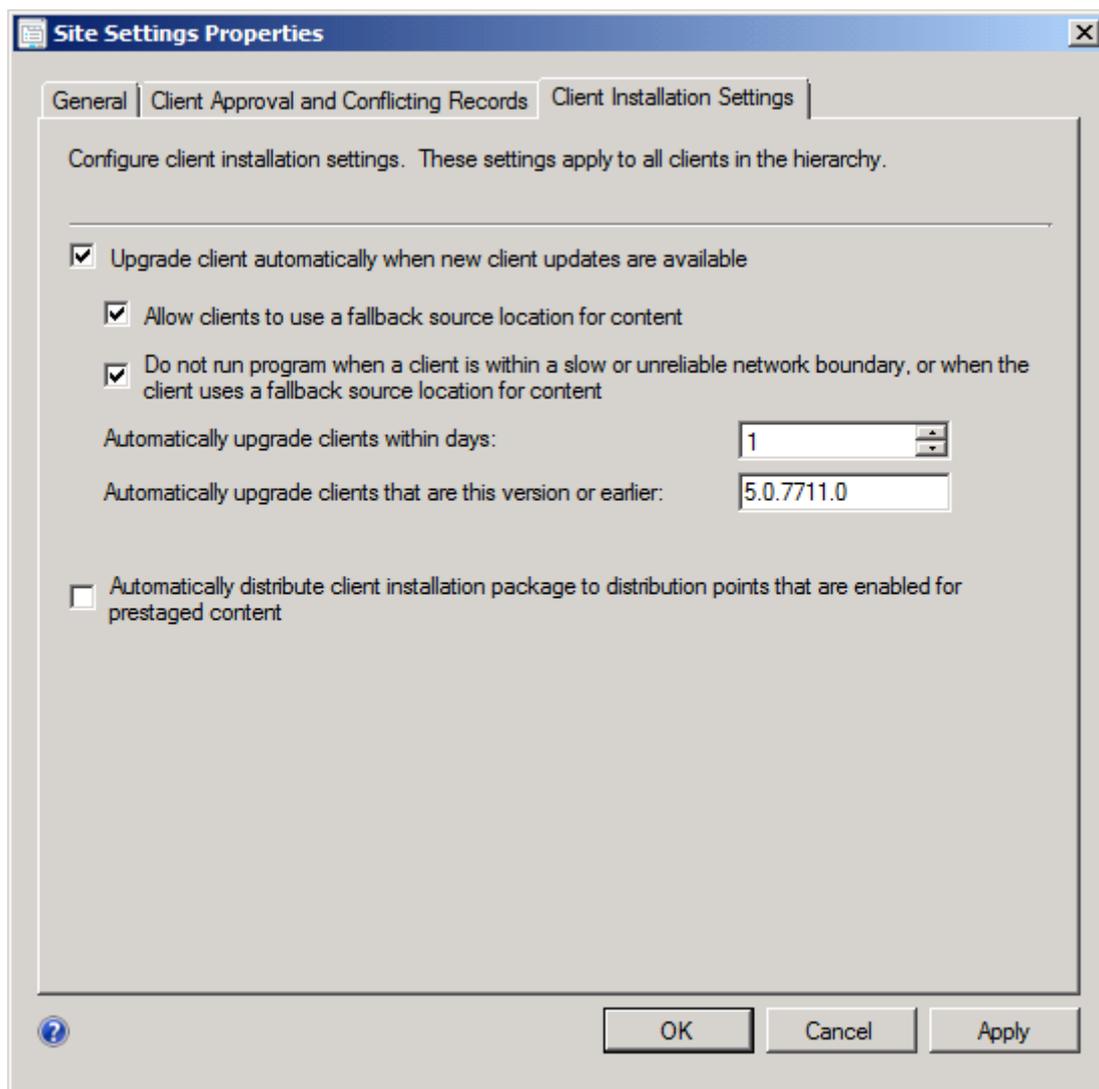
57) In **Client Installation Settings** page , you can setting client update and prestage options :



58) When you select **Upgrade client automatically when new client updates are available** item , you will see the warning :

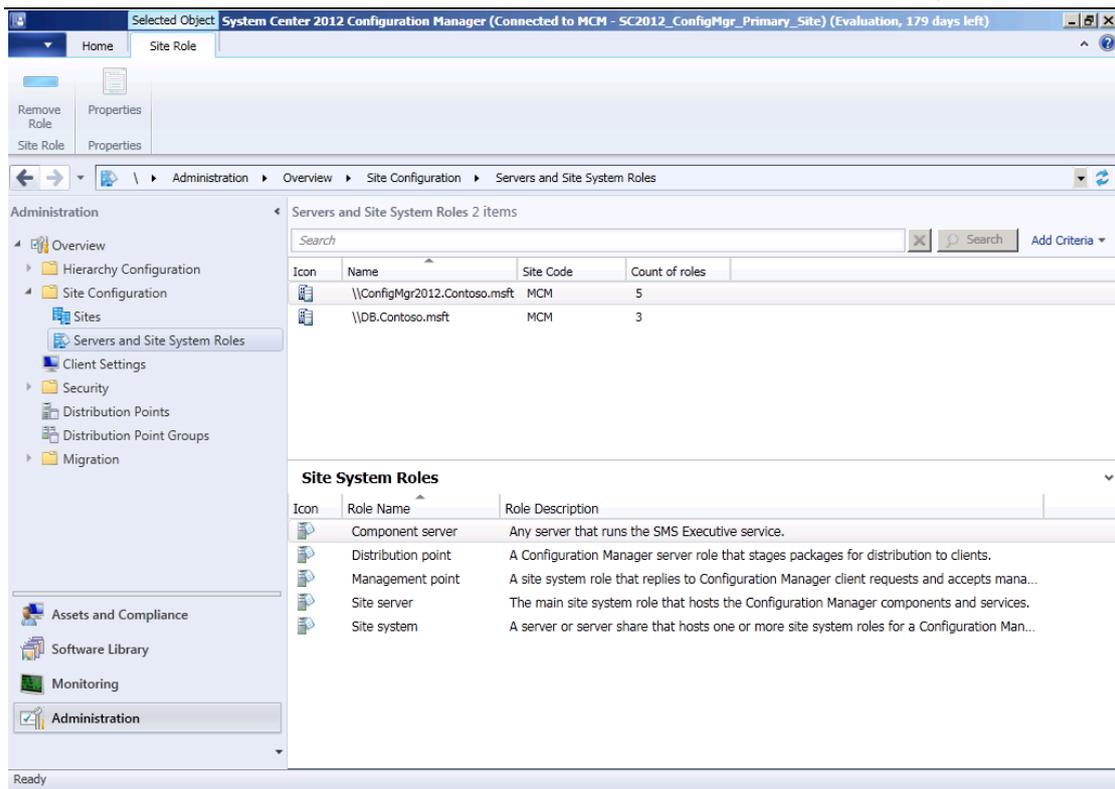


59) Click **OK** and choose your needs options :



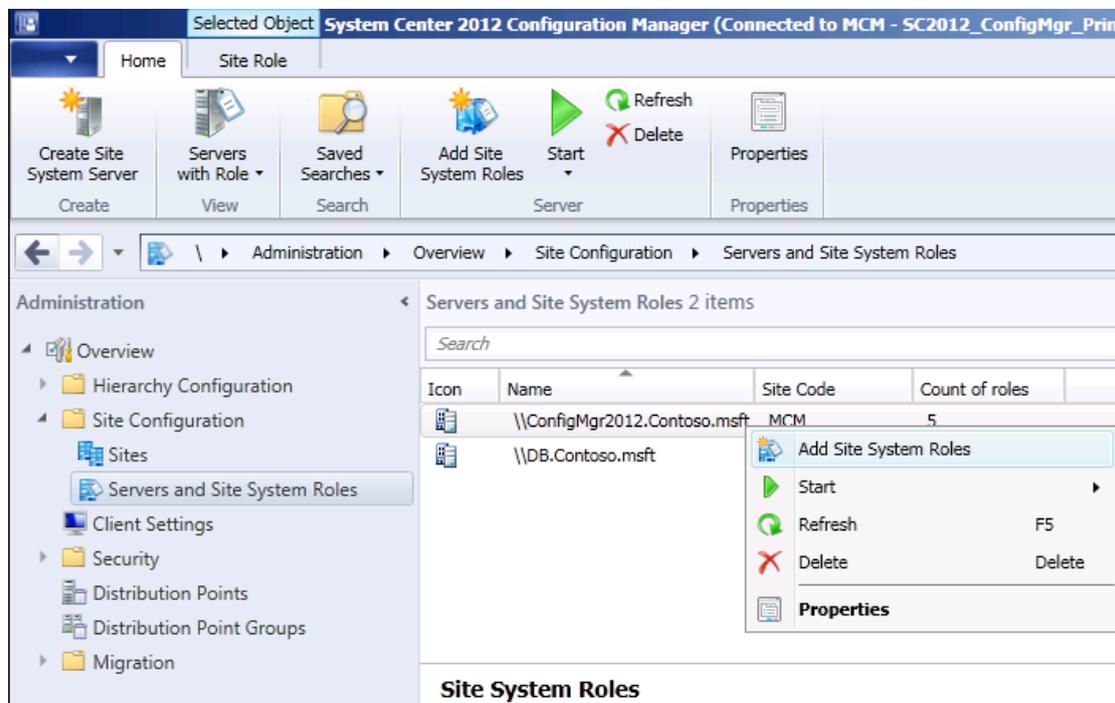
60) Click **Apply**---**OK** and click **Servers and Site System Roles** node :

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61) Right-click \\CONFIGMGR2012 server name , click **Add Site System Roles**

item :



62) Will display **Add Site System Roles Wizard** :

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

Add Site System Roles Wizard

General

Select a server to use as a site system

Name: Example: server1.corp.contoso.com
ConfigMgr2012.Contoso.msft [Browse...]

Site code: MCM - SC2012_ConfigMgr_Primary_Site

Specify an FQDN for this site system for use on the Internet
Internet FQDN: Example: internetsrv2.contoso.com

Require the site server to initiate connections to this site system
After the installation of the site system roles, the site server initiates all connections to the site system server by using the Site System Installation Account.

Site System Installation Account

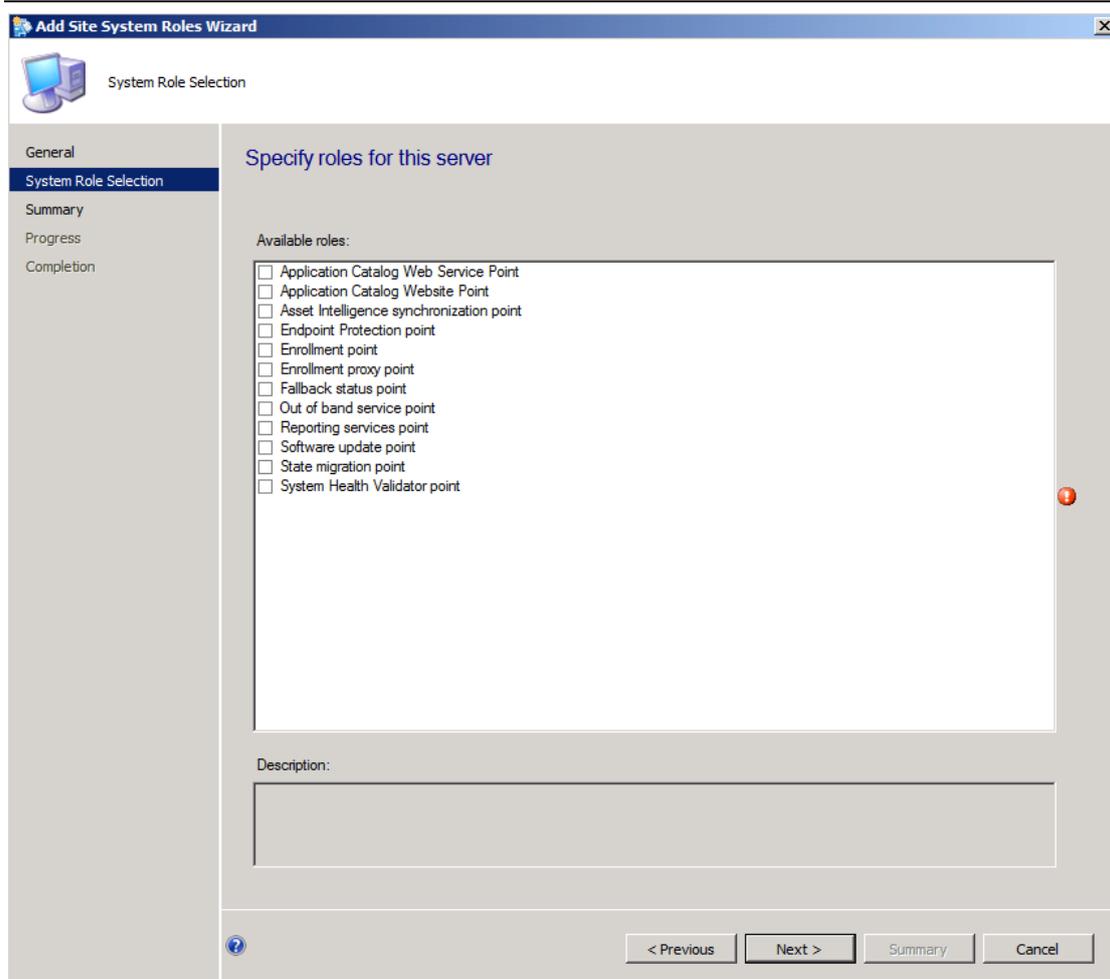
Use the site server's computer account to install this site system
 Use another account for installing this site system [Get...]

Active Directory membership

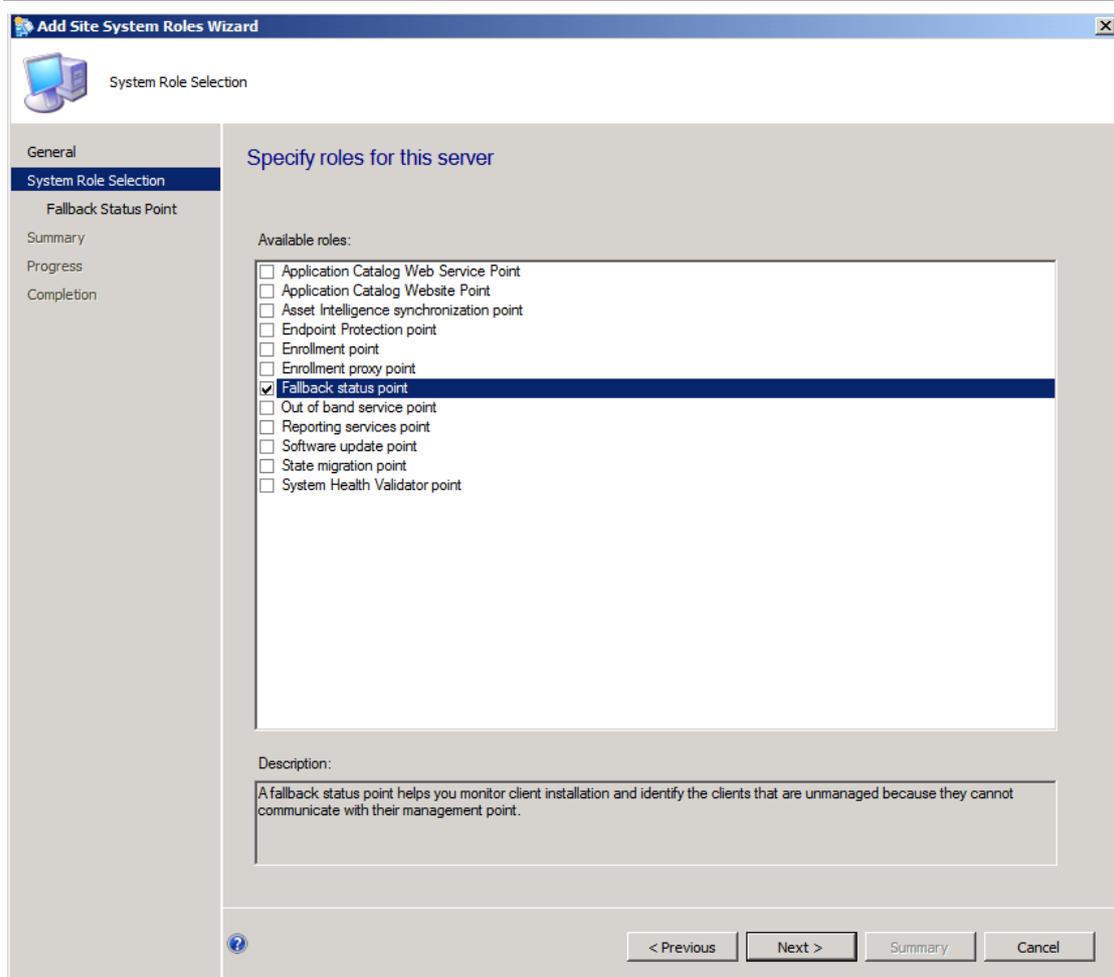
Active Directory forest: Contoso.msft
Active Directory domain: Contoso.msft

< Previous Next > Summary Cancel

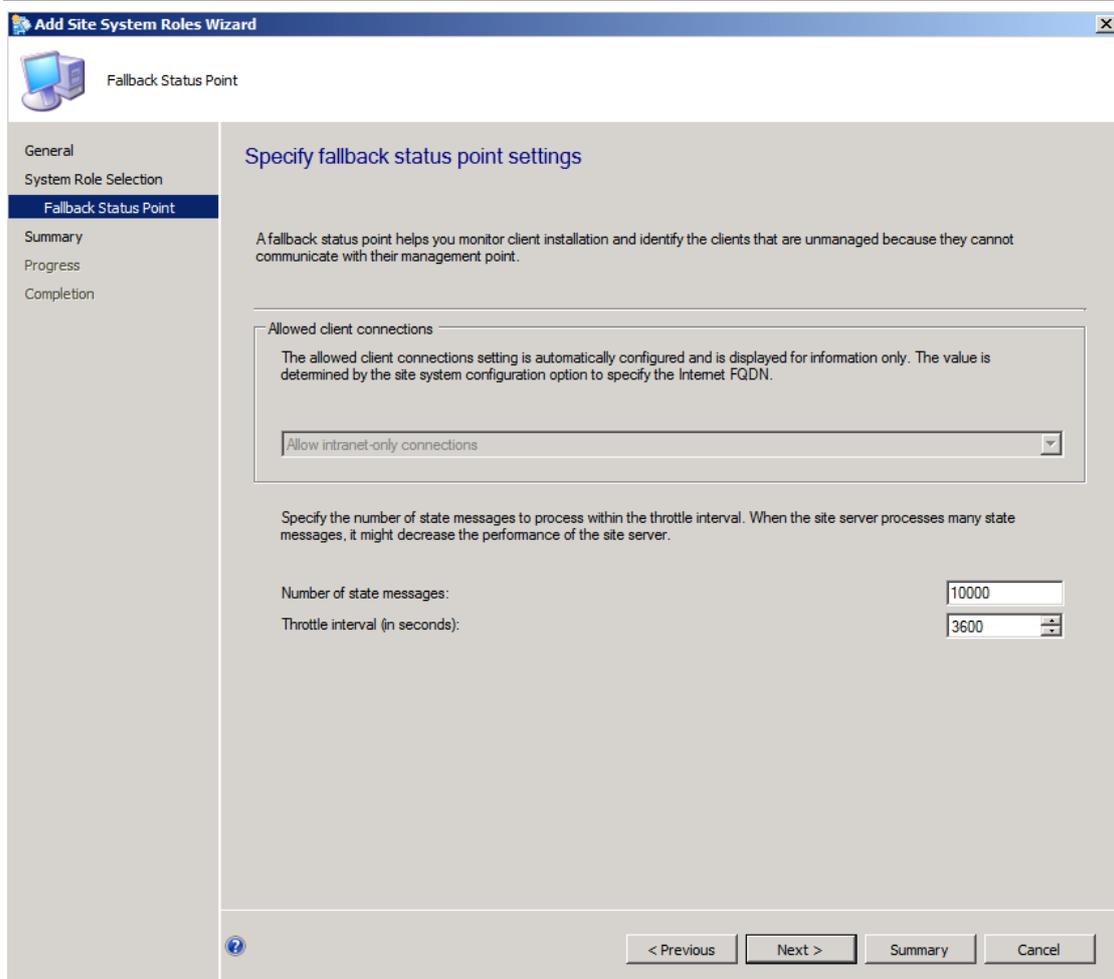
63) Click **Next** , will display **System Role Selection** page :



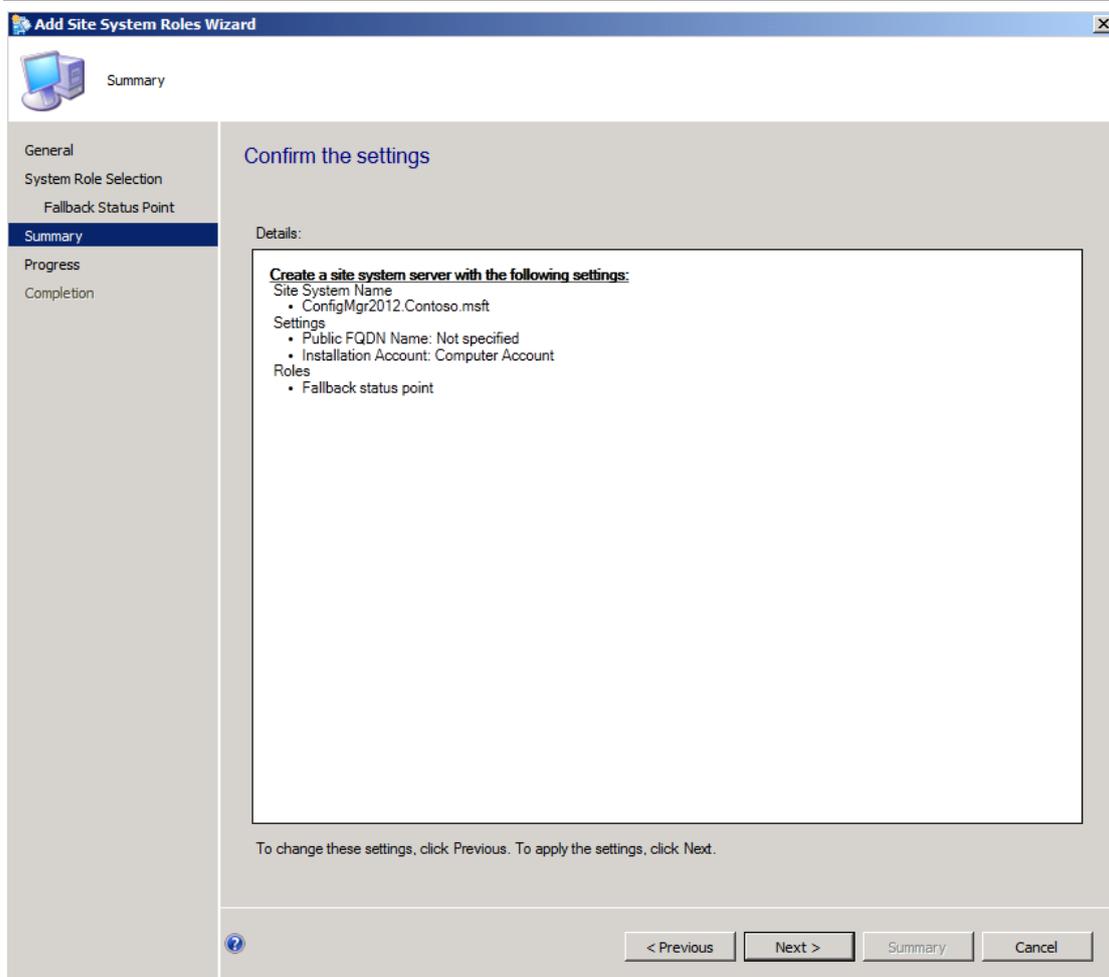
64) Select **Fallback status point** in **Available roles** box :



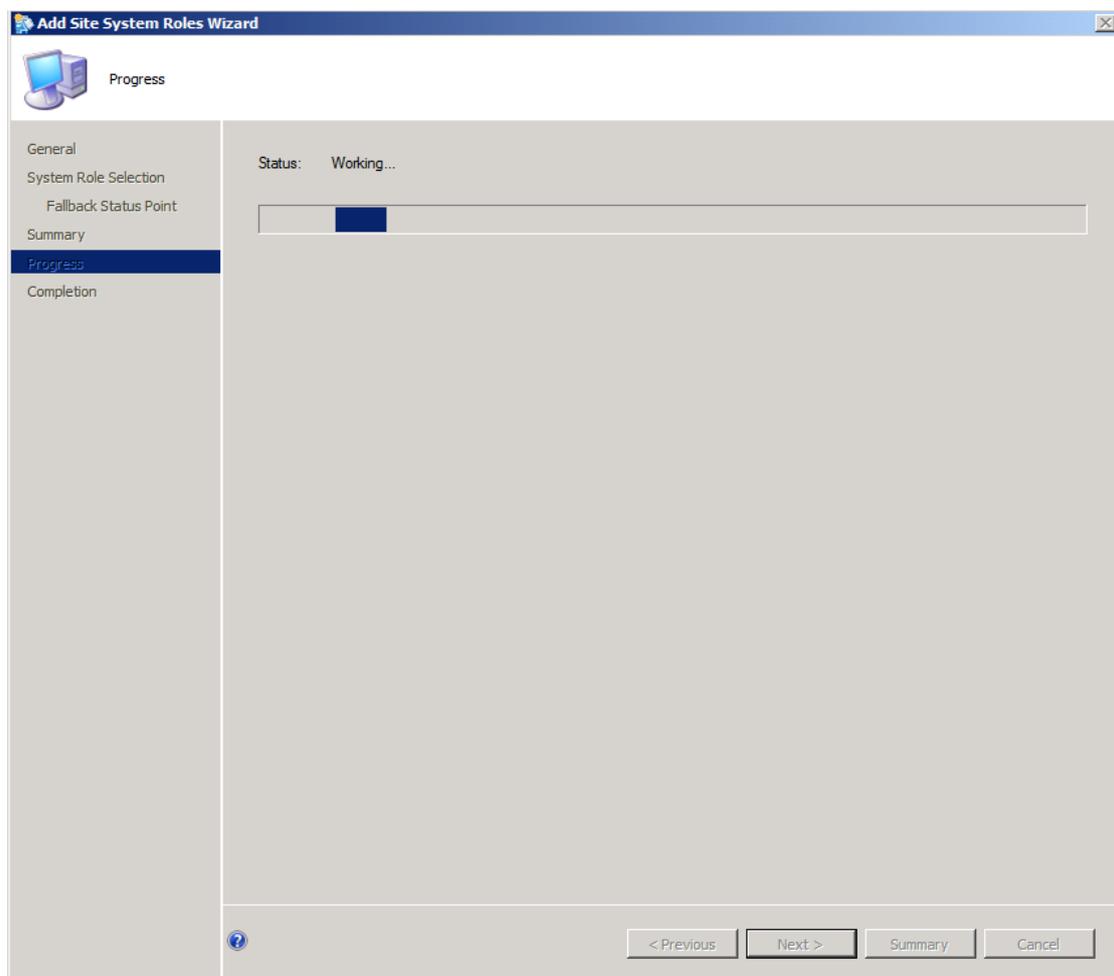
65) Click **Next** , into **Fallback Status Point** page :



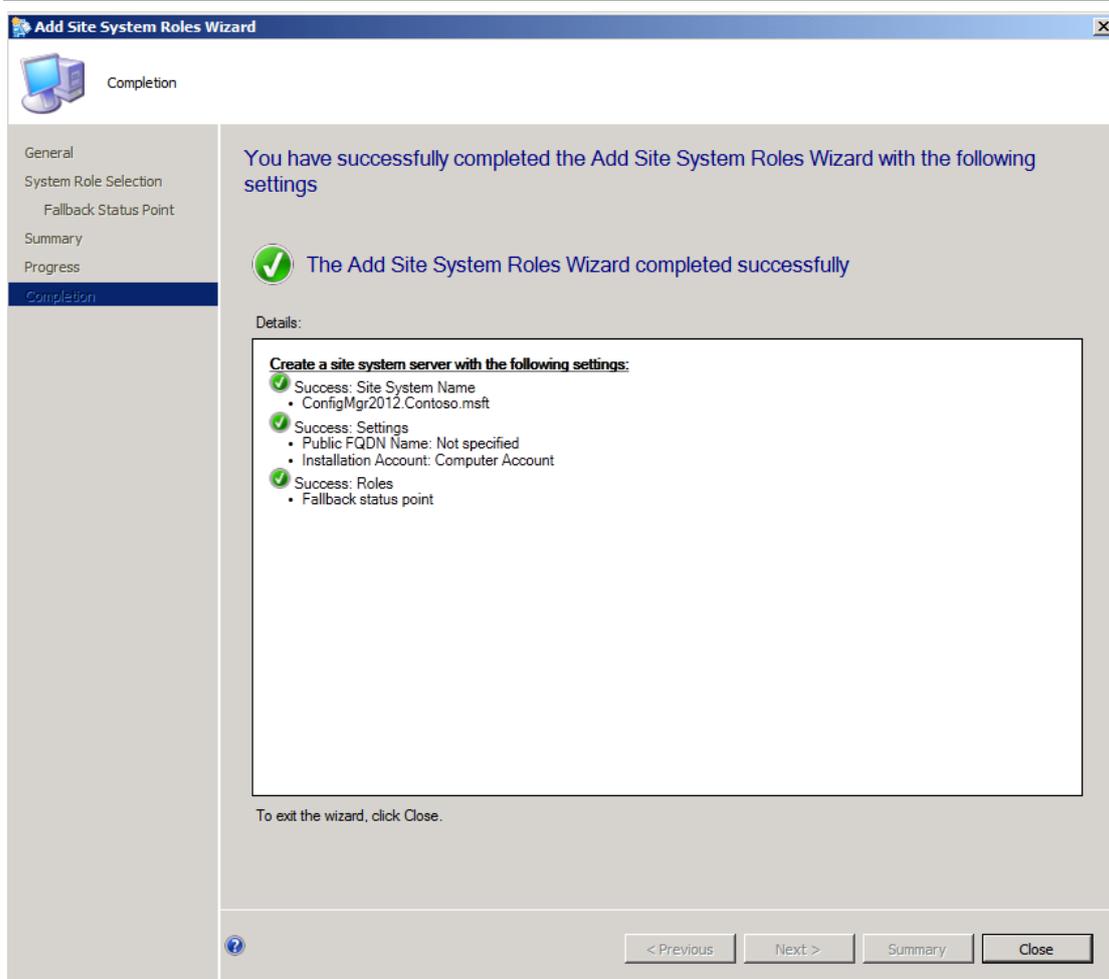
66) Click **Next** , into **Summary** page :



67) Click **Next** will into Progress page :



68) Will display **Completion** page :



69) Click **Close** , you will see the new site system role already added :

System Center 2012 Configuration Manager RTM Configure Document

The screenshot shows the System Center 2012 Configuration Manager console. The title bar indicates the selected object is 'System Center 2012 Configuration Manager (Connected to MCM - SC2012_ConfigMgr_Primary_Site) (Evaluation, 179 days left)'. The breadcrumb navigation shows the path: Administration > Overview > Site Configuration > Servers and Site System Roles.

The left-hand navigation pane shows the following structure:

- Administration
 - Overview
 - Hierarchy Configuration
 - Site Configuration
 - Sites
 - Servers and Site System Roles (Selected)
 - Client Settings
 - Security
 - Distribution Points
 - Distribution Point Groups
 - Migration
 - Assets and Compliance
 - Software Library
 - Monitoring
 - Administration

The main content area displays 'Servers and Site System Roles 2 items' in a table:

Icon	Name	Site Code	Count of roles
	\\ConfigMgr2012.Contoso.msft	MCM	6
	\\DB.Contoso.msft	MCM	3

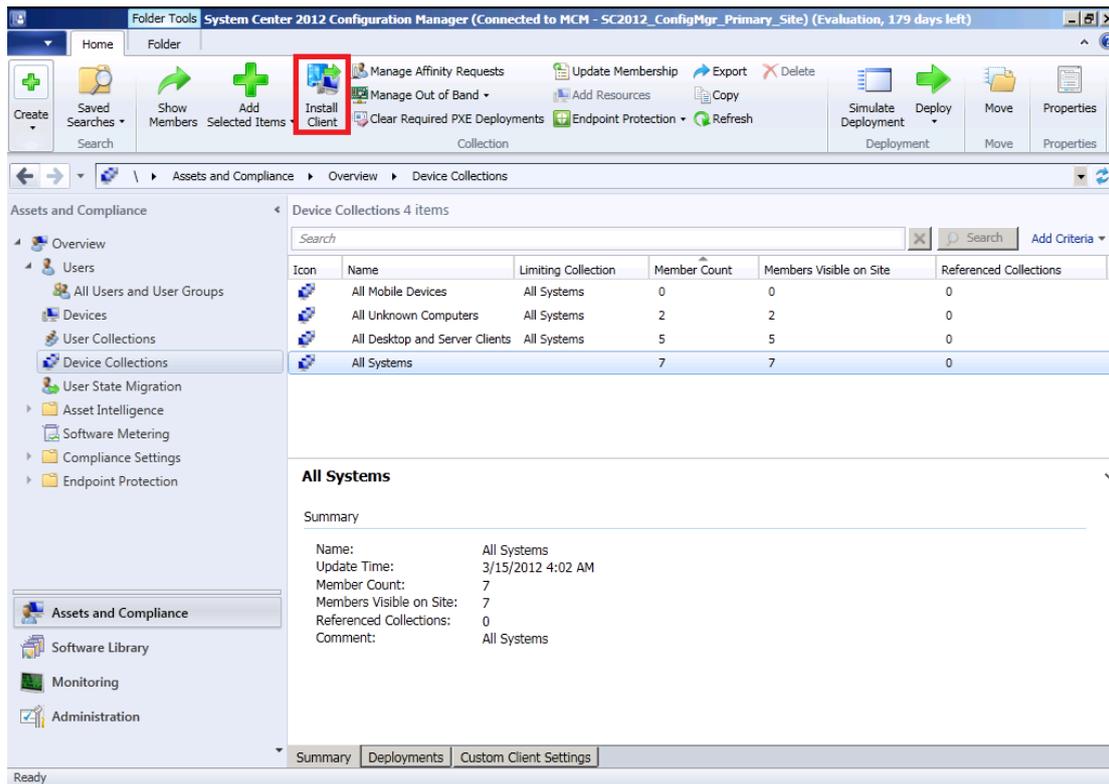
Below this table, the 'Site System Roles' section is expanded, showing a list of roles:

Icon	Role Name	Role Description
	Component server	Any server that runs the SMS Executive service.
	Distribution point	A Configuration Manager server role that stages packages for distribution to clients.
	Fallback status point	A site system role that receives messages from ConfigMgr clients that cannot communicat...
	Management point	A site system role that replies to Configuration Manager client requests and accepts mana...
	Site server	The main site system role that hosts the Configuration Manager components and services.
	Site system	A server or server share that hosts one or more site system roles for a Configuration Man...

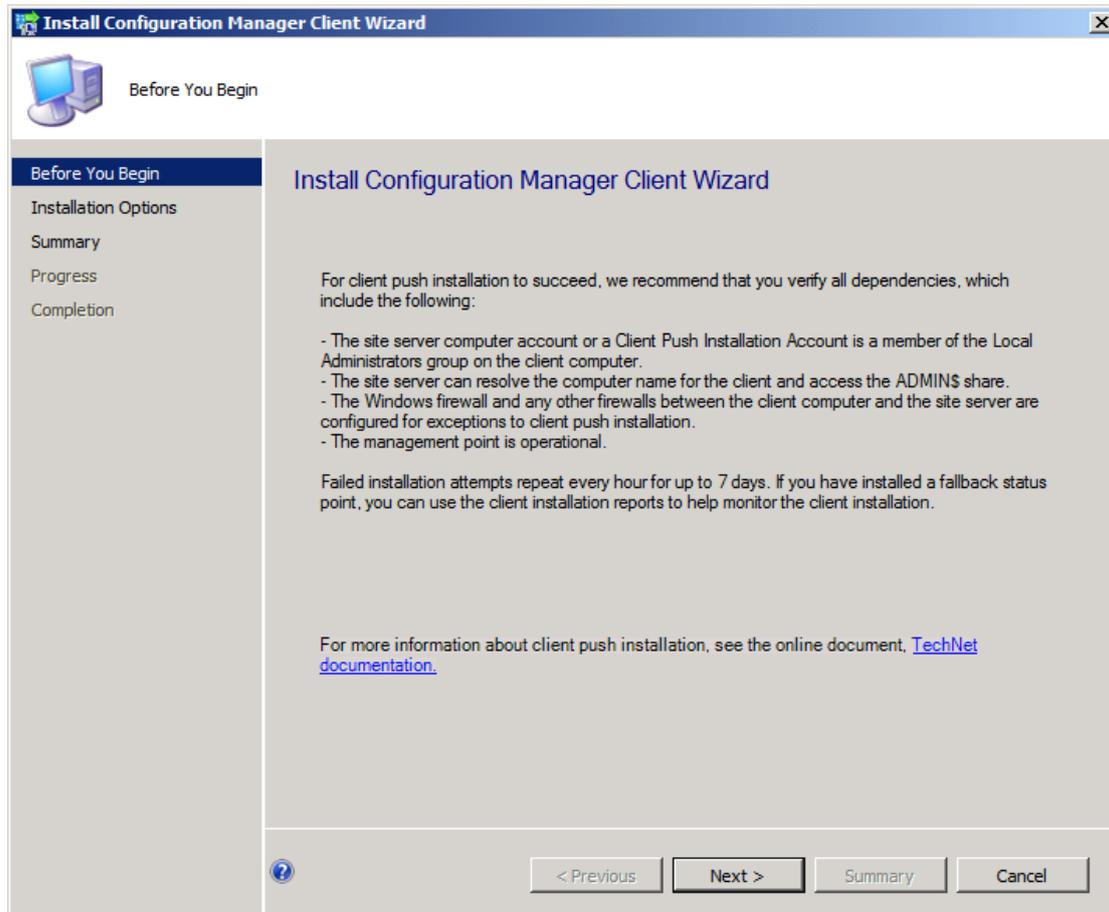
The status bar at the bottom left indicates 'Ready'.

5. Installing SC2012 ConfigMgr RTM Client Agent :

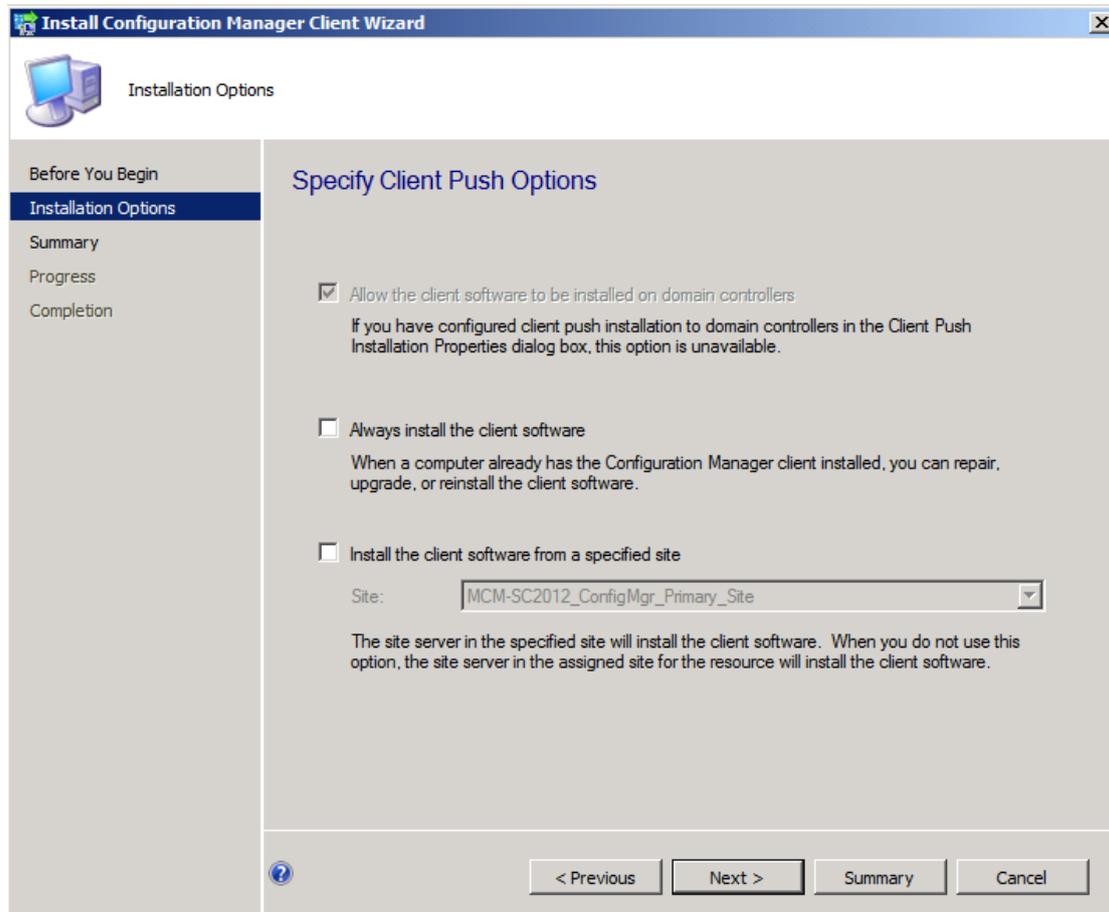
1) Logon to **ConfigMgr2012** server , Open **Configuration Manager Console**, into **Assets and Compliance** page , click **Device Collections** node , click **All Systems** collection , click **Install Client** option in Ribbon zone :



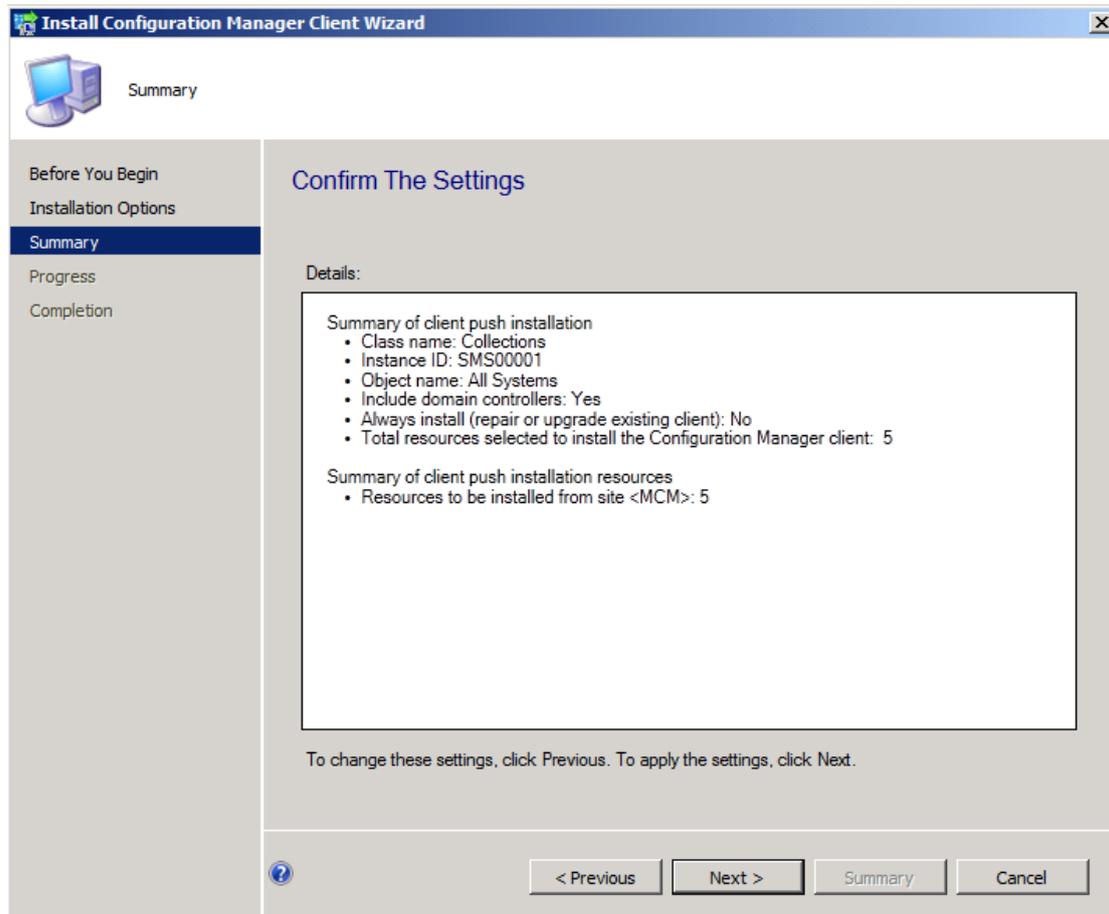
2) Will display **Install Configuration Manager Client Wizard** :



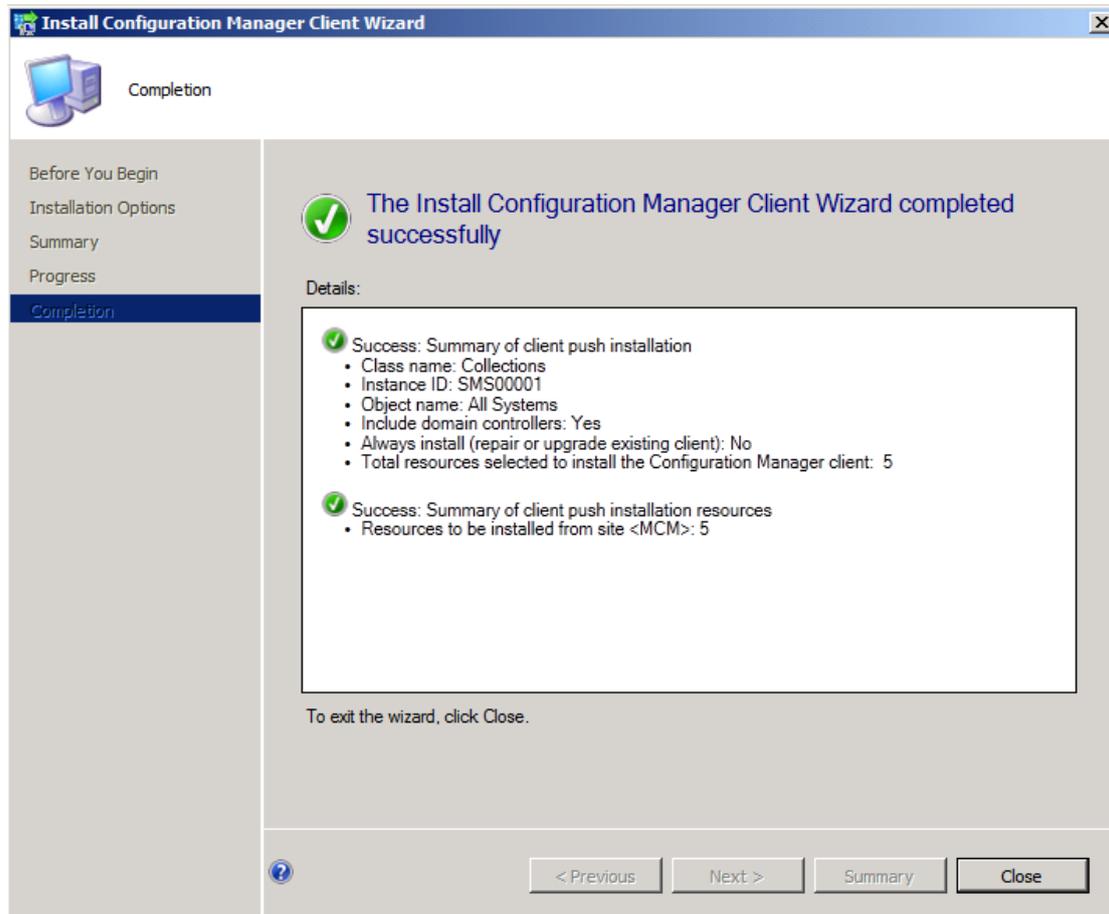
3) Click **Next** , into **Installation Options** page :



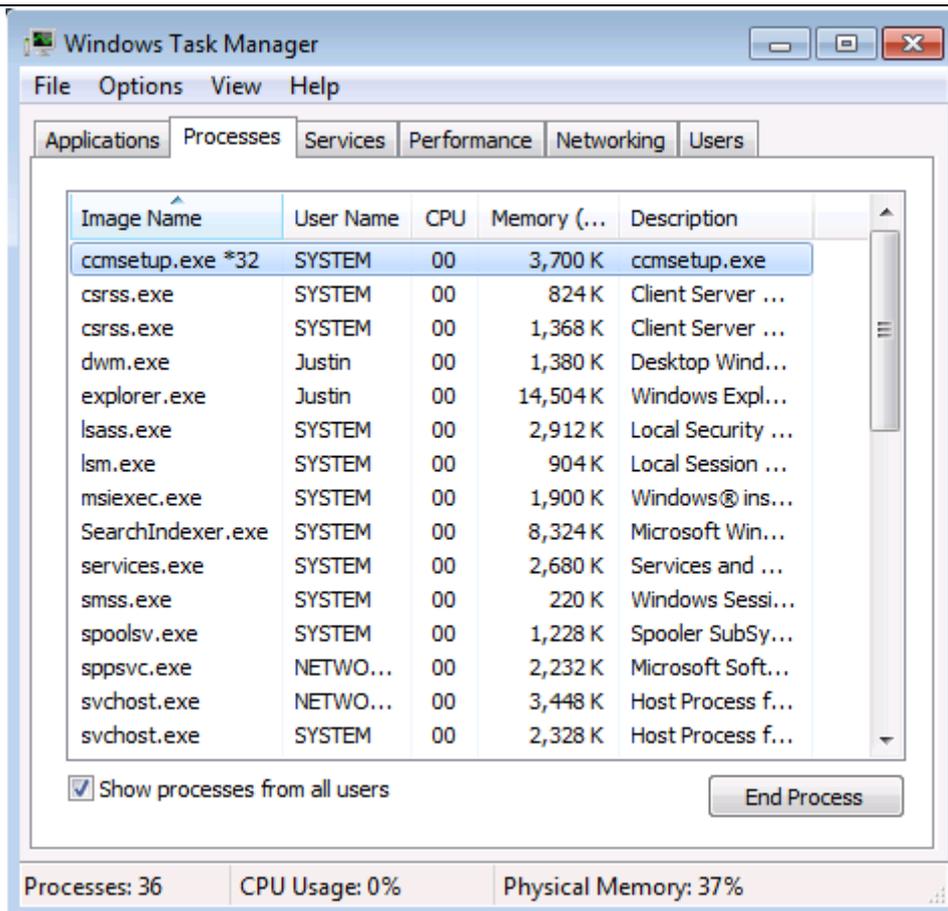
4) Select your needs option and click **Next** , will into **Summary** page :



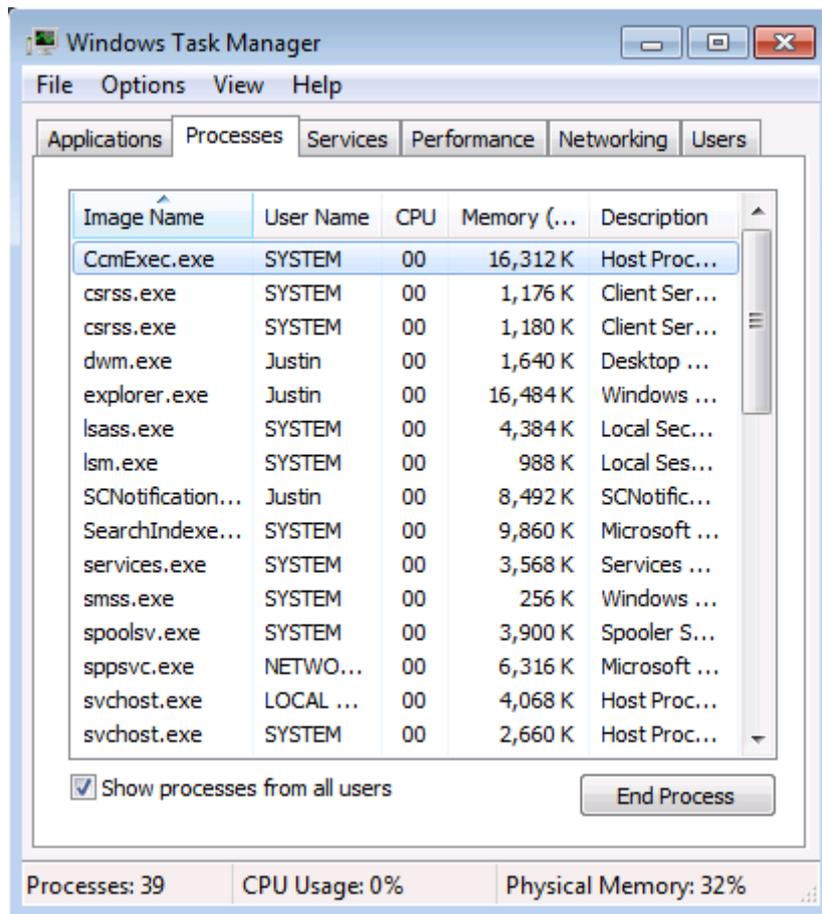
5) Click **Next** will into **Completion** page :



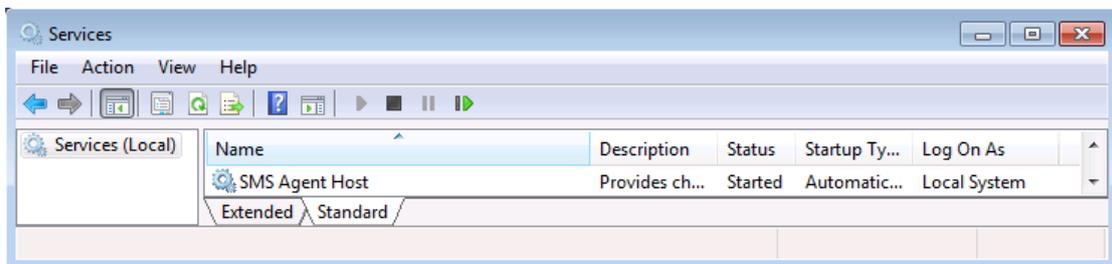
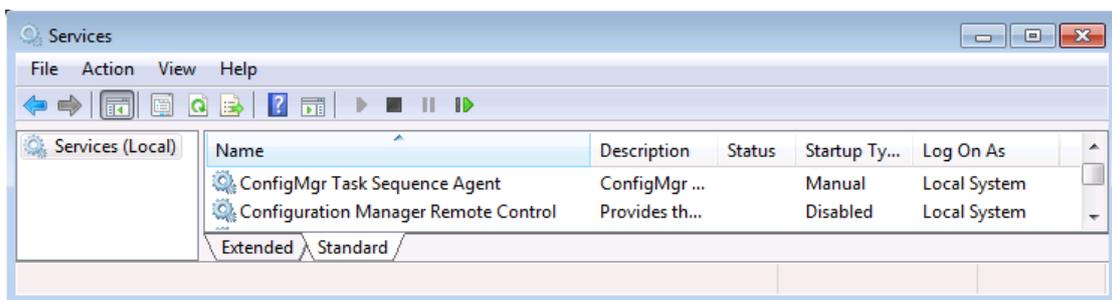
6) Click **Close** . Logon to **Client** computer , in **Task Manager** you can see installing client agent :



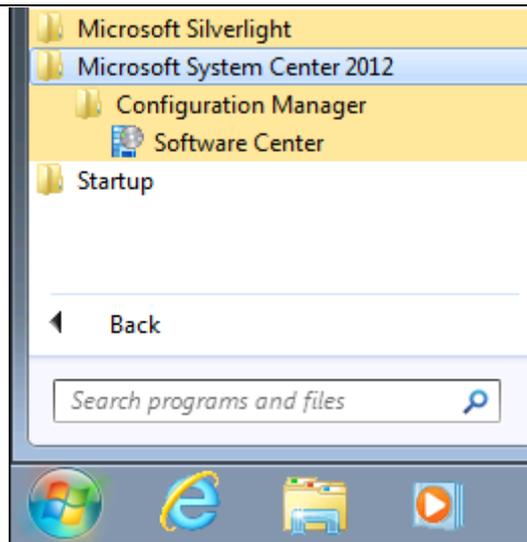
7) Please wait some minutes will display :



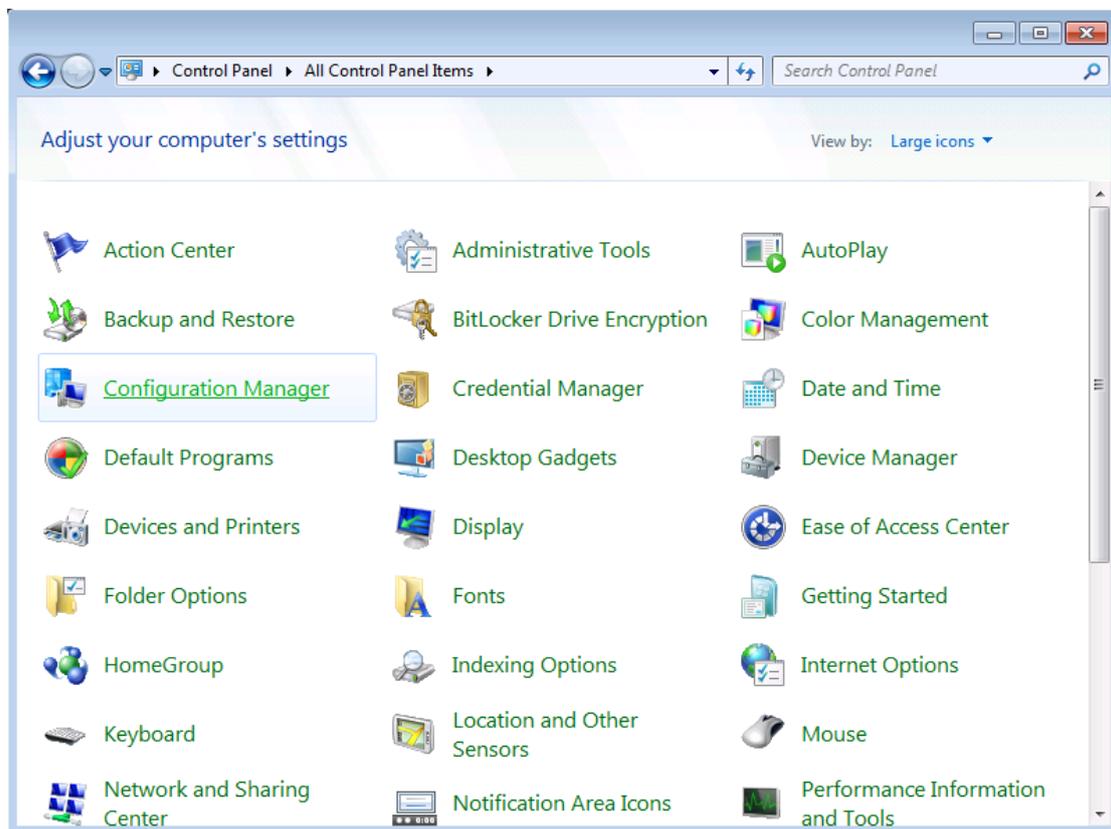
8) In **Services.msc** snap-in console , you can see relate services :



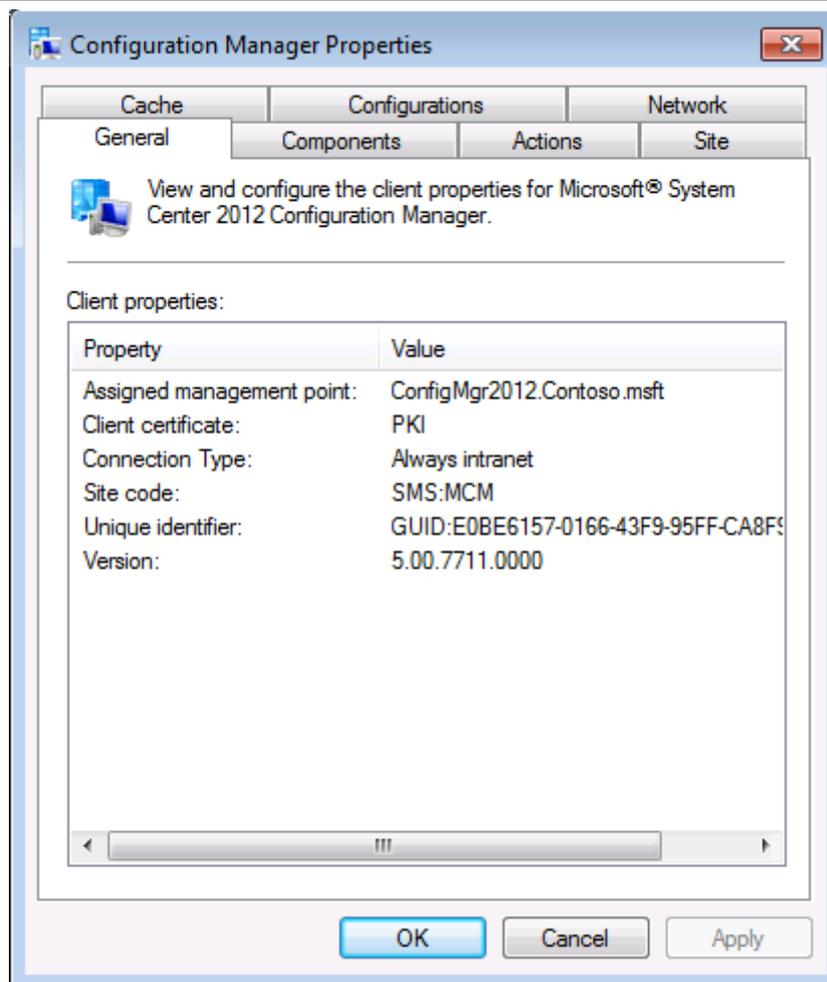
9) In **Windows Button** you can see **Software Center** and **Silverlight** :



10) In Control Panel , you can see **Configuration Manager** item :

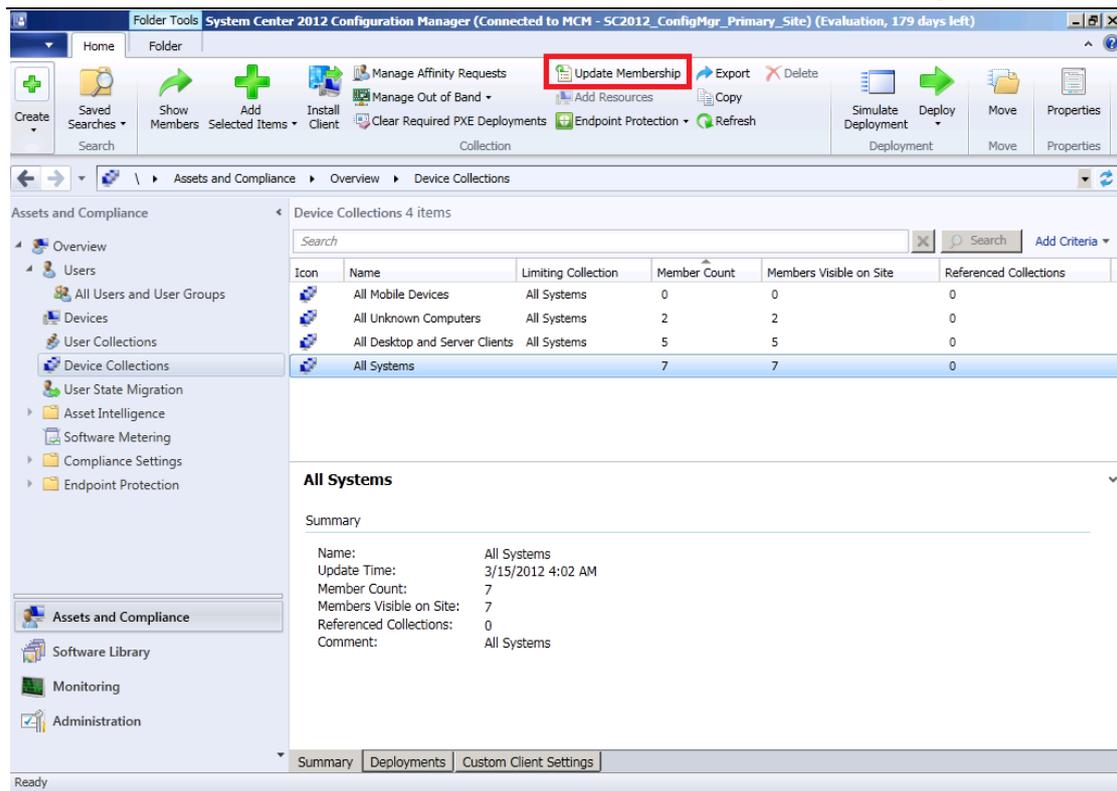


11) Double-click will display **Configuration Manager Properties** :

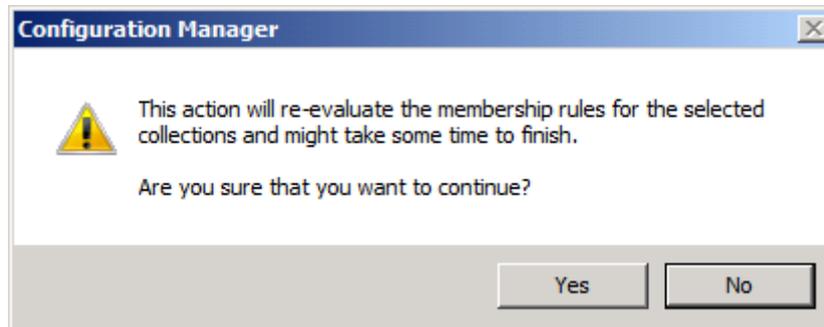


12) Click **OK** . Logon to **ConfigMgr2012** server , click **All Systems** collection ,
click **Update Membership** item in Ribbon zone :

System Center 2012 Configuration Manager RTM Configure Document



13) Will display a warning :



14) Click **Yes** and wait some minutes , you can see all client agent status :

System Center 2012 Configuration Manager RTM Configure Document

The screenshot shows the System Center 2012 Configuration Manager console. The left-hand navigation pane is expanded to 'Assets and Compliance' > 'Devices' > 'All Systems'. The main pane displays a table of 7 items. The 'CLIENT' item is selected. Below the table, the 'CLIENT' properties are shown in a detailed view.

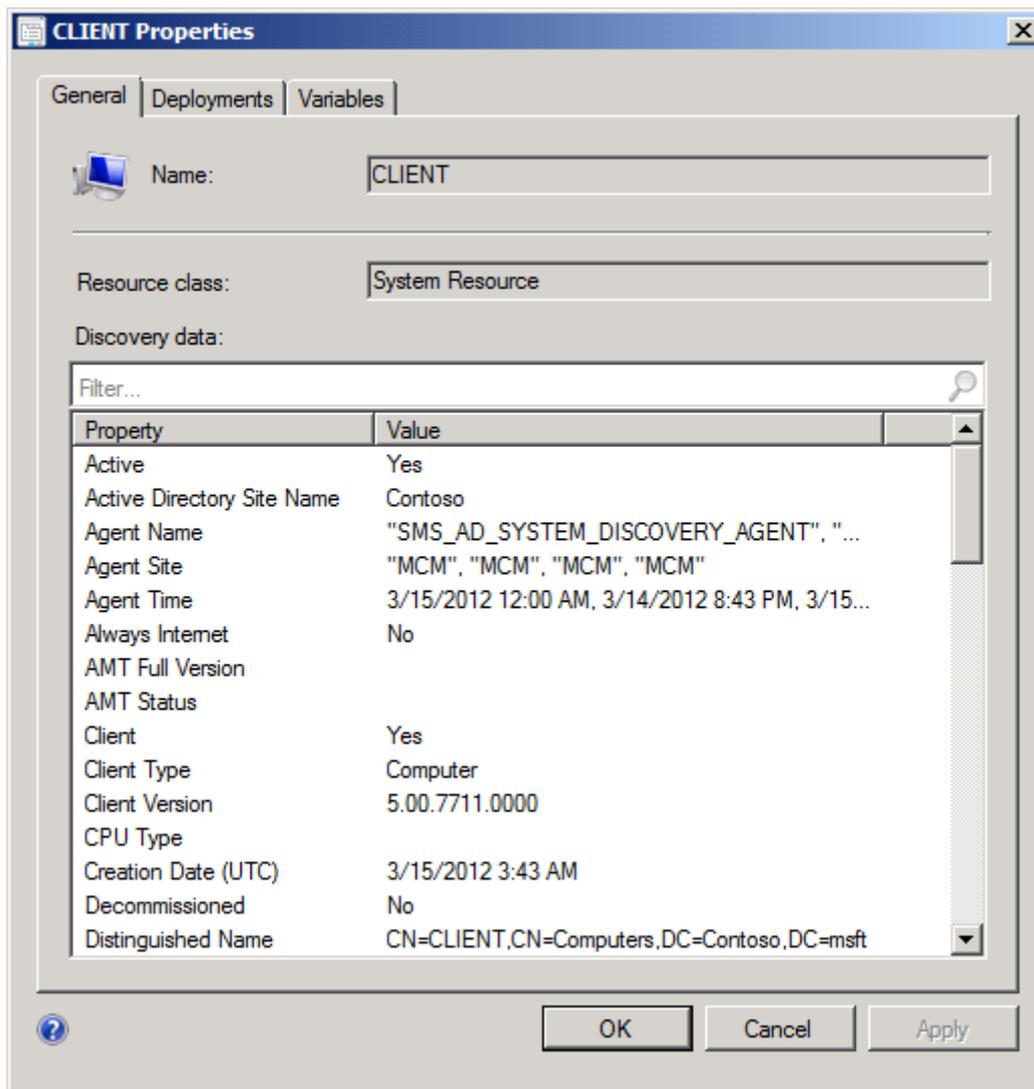
Icon	Name	Client Type	Client	Site Code	Client Activity
	CLIENT	Computer	Yes	MCM	Active
	CONFIGMGR2012	Computer	Yes	MCM	Active
	CONSOLE	Computer	Yes	MCM	Active
	DB	Computer	Yes	MCM	Active
	DC	Computer	Yes	MCM	Active
	x64 Unknown Computer (...)	None	No	MCM	
	x86 Unknown Computer (...)	None	No	MCM	

General Information		Client Check Information		Related Objects
Name:	CLIENT	Client Check Result:	No Results	Primary User
Client Type:	Computer	Remediation:		

Active Directory		Push Information	
Active Directory Site:	Contoso	Last Installation Error:	53
Last Logon:		Last Request Attempt:	3/15/2012 6:26 AM
		Last Status:	Retry

Ready

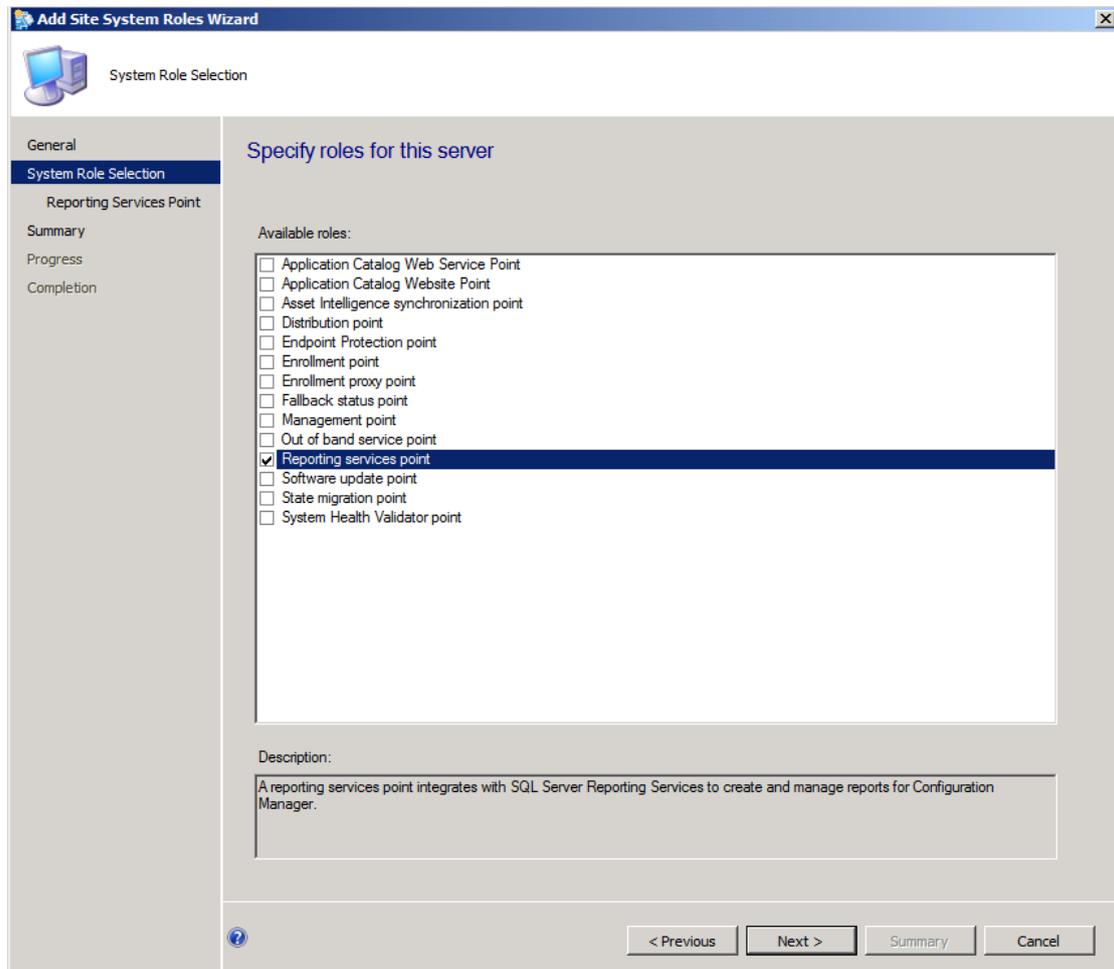
15) Double-click **CLIENT** item , will display **CLIENT Properties** box :



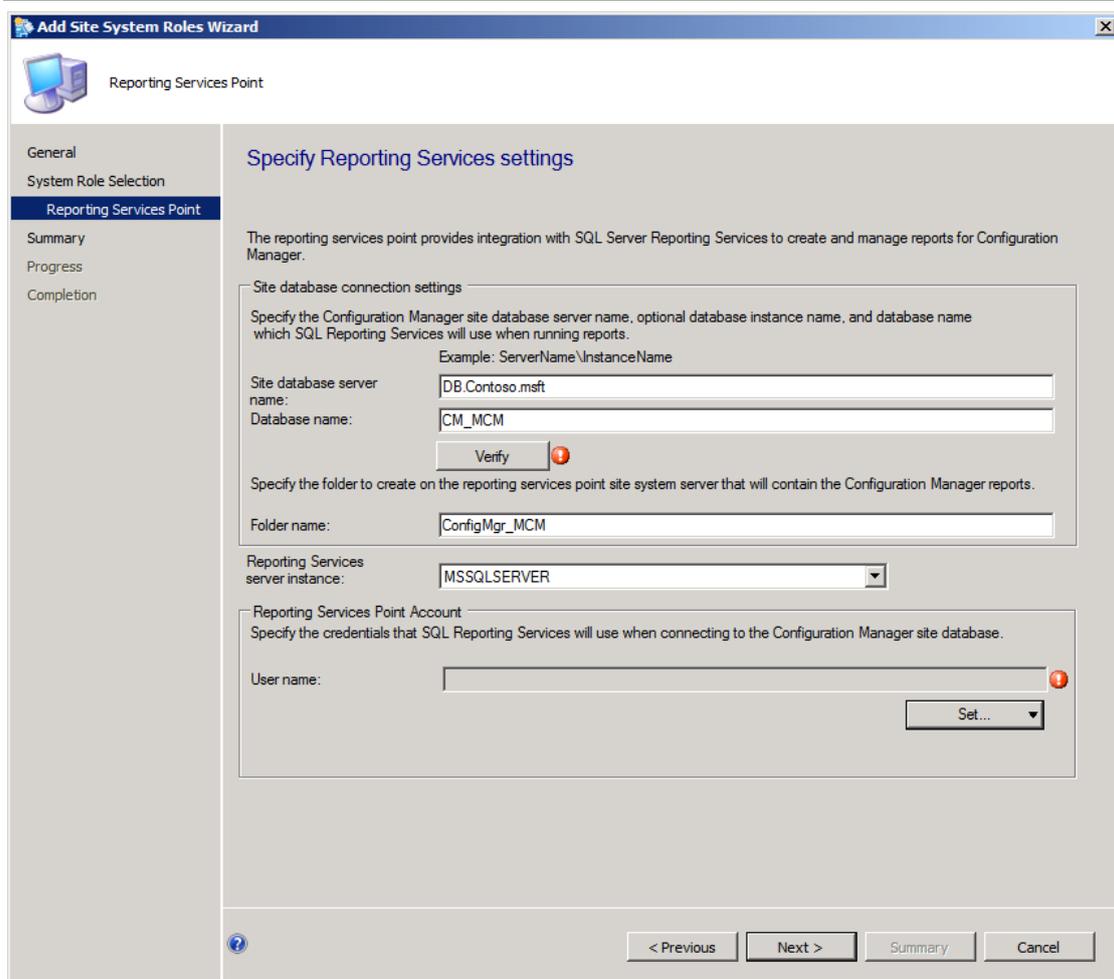
16) In here you can see more information about client. Click **OK** to close this properties.

6. Installing SC2012 ConfigMgr RTM Reporting :

1) Logon to **ConfigMgr2012** server ,open **Configuration Manager Console** , click **Administration** workspace , click **Servers and Site System Roles** node , right-click **\\DB.Contoso.msft** server and click **Add Site System Roles** , add **Reporting services point** :

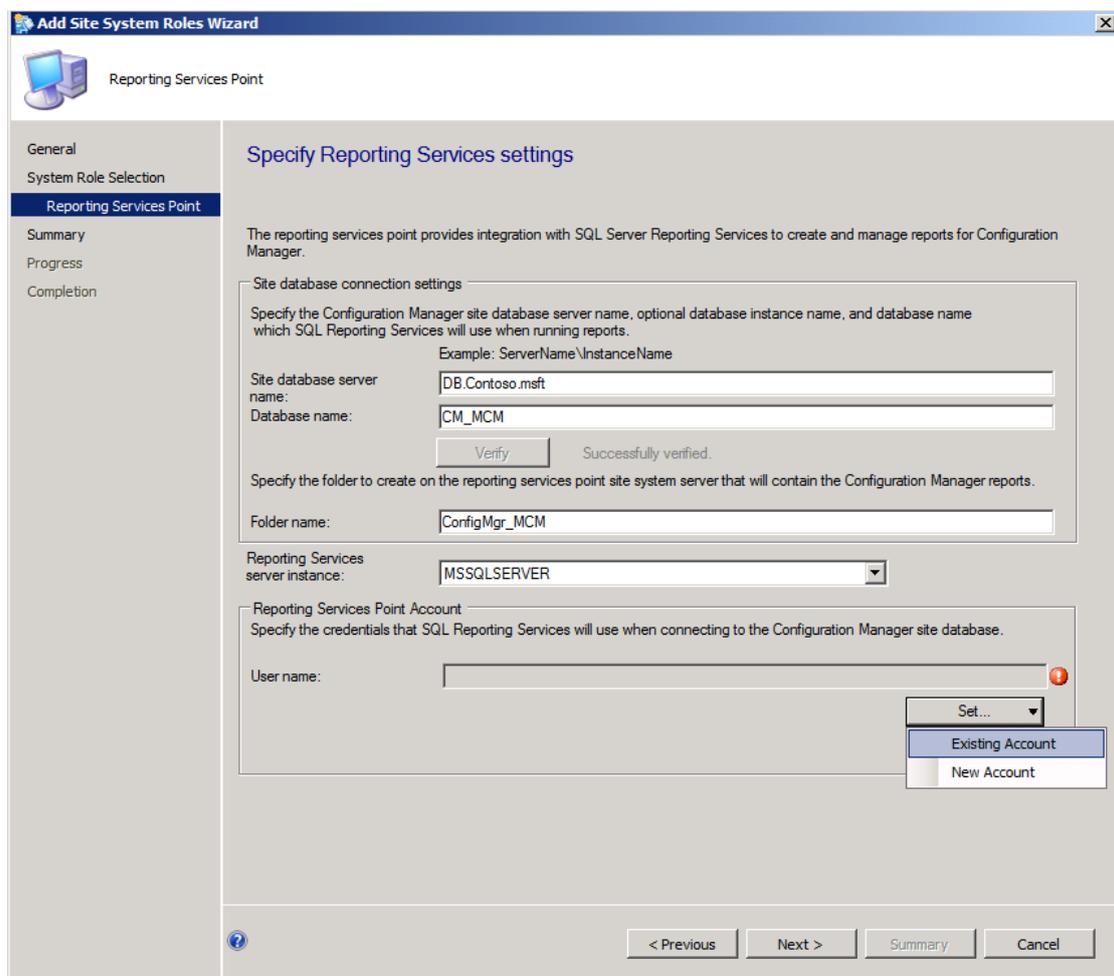


2) Click **Next** , will into **Reporting Services Point** page :

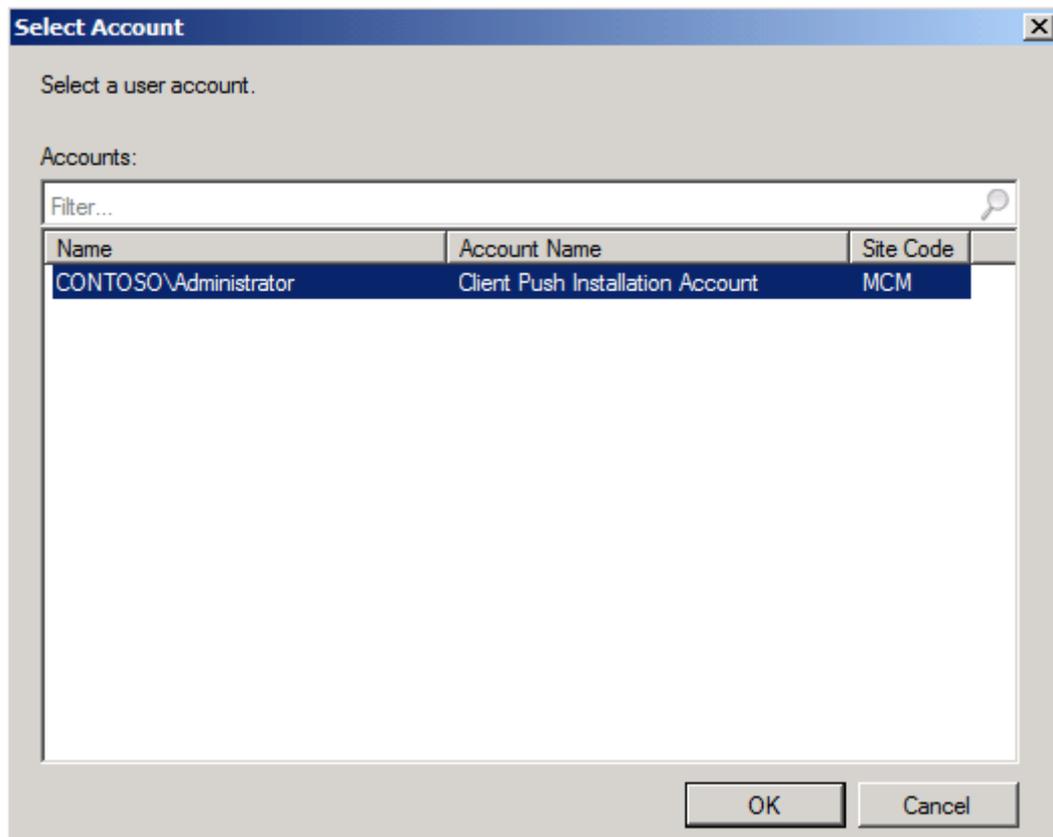


3) Click **Verify** , in **Reporting Services Point Account** box , click **Set...** select

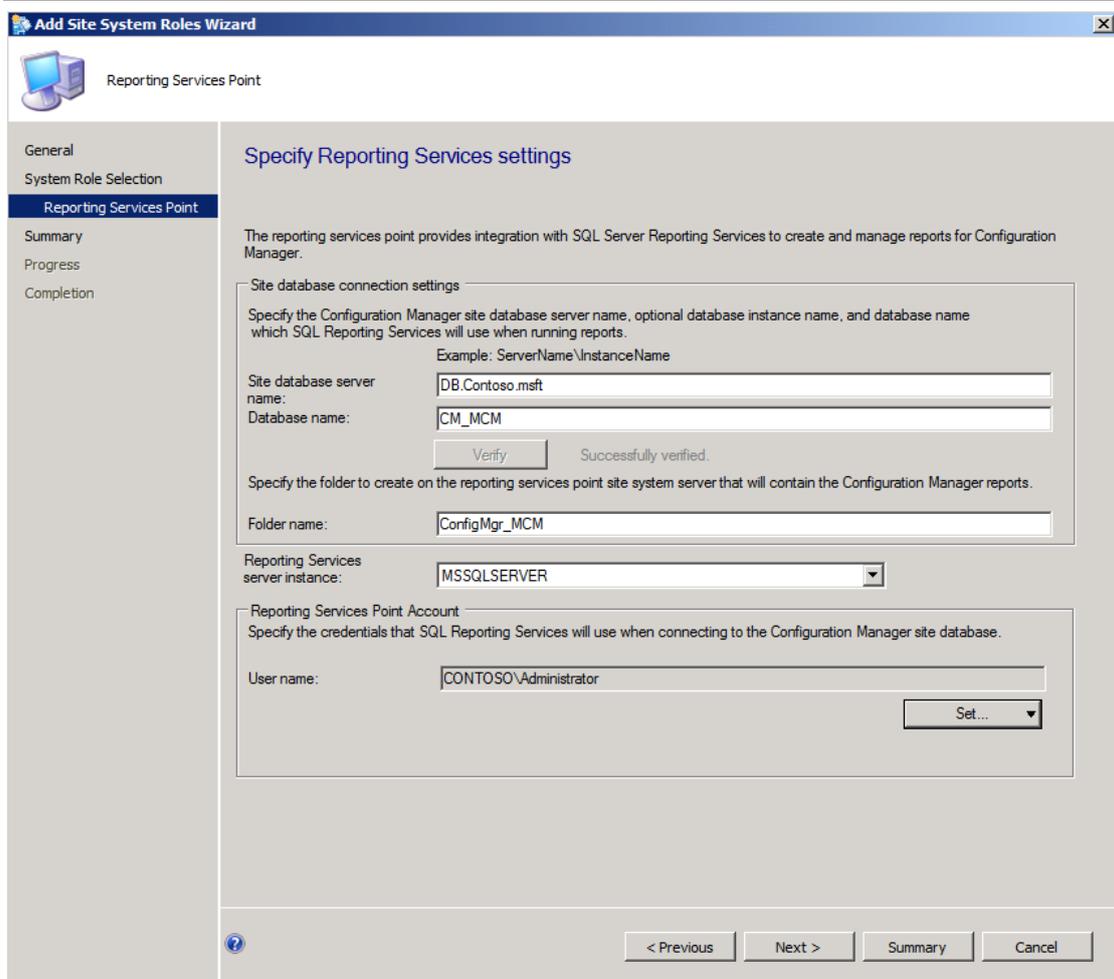
Existing Account or **New Account** item :



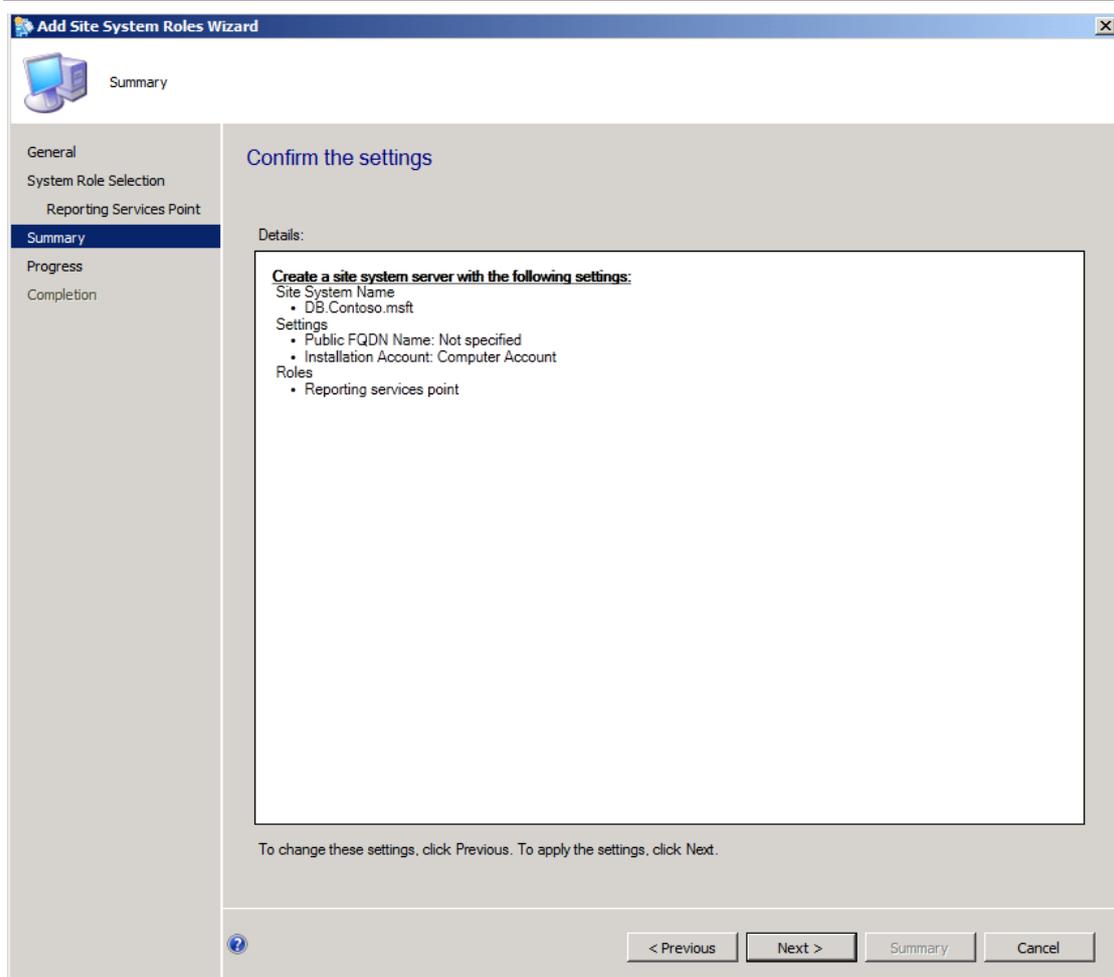
4) If you select **Existing Account** , you can see **Select Account** box :



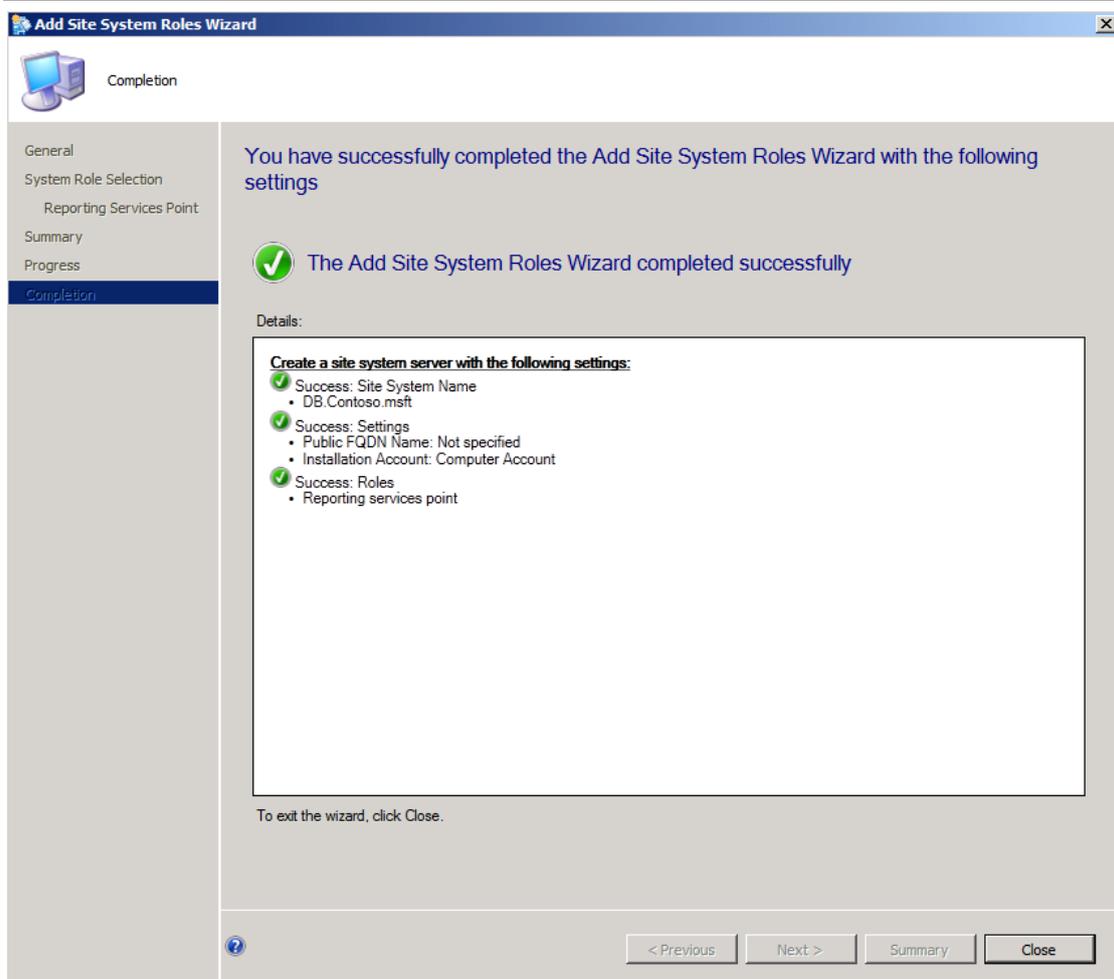
5) Click this account and click **OK** , will back to **Reporting Services Point** page :



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

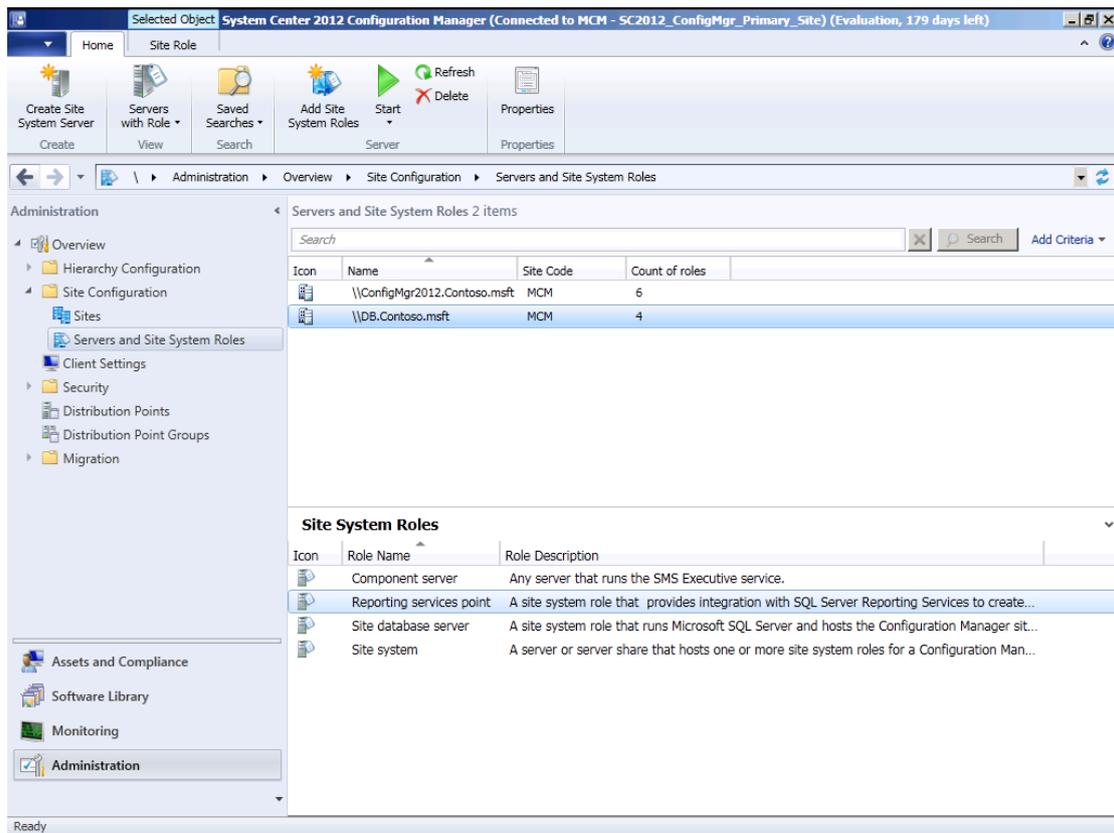


7) Click **Next** , will into **Completion** page :



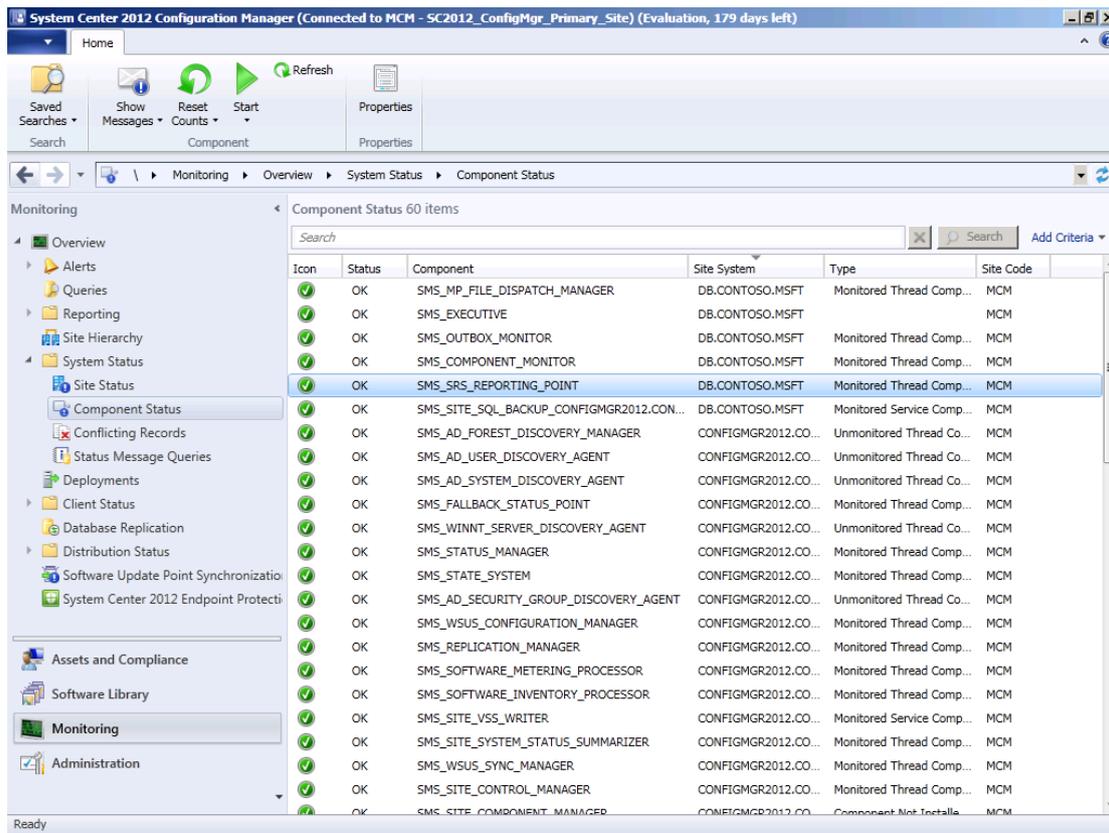
8) Click **Close** , you will see the new added role :

**System Center 2012
Configuration Manager RTM
Configure Document**



9) Click **Monitoring** workspace , in **Component Status** node , you can see all status , should be Green **OK** :

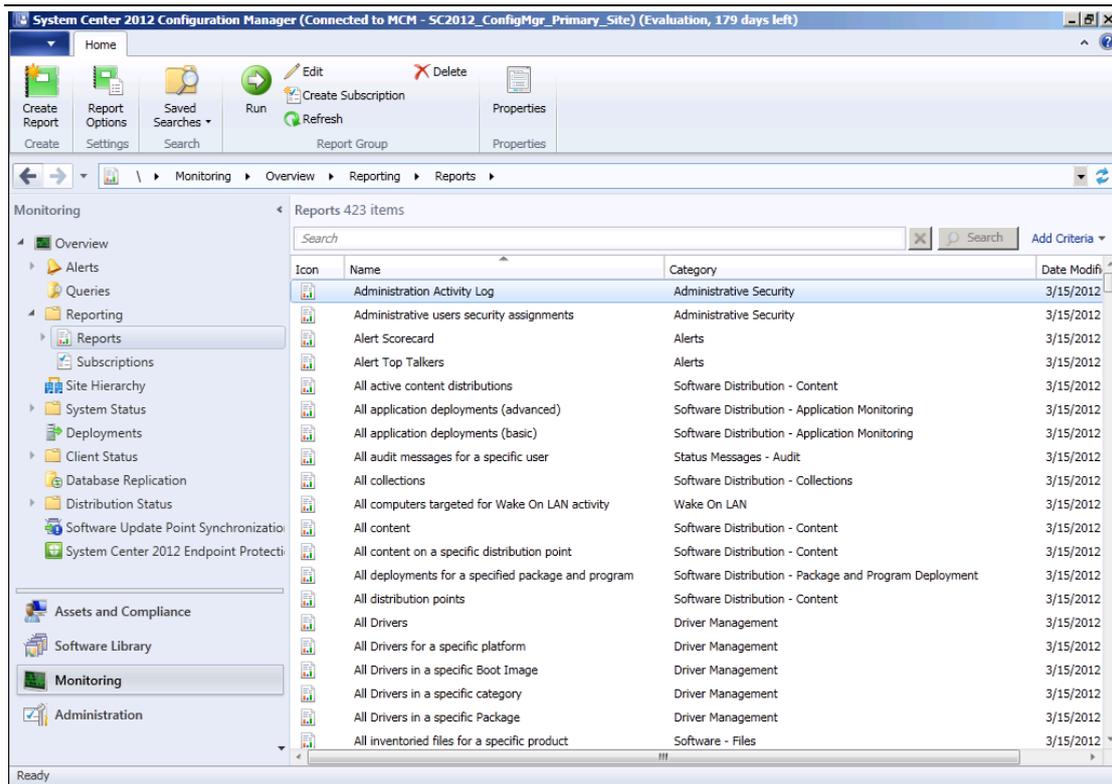
System Center 2012 Configuration Manager RTM Configure Document



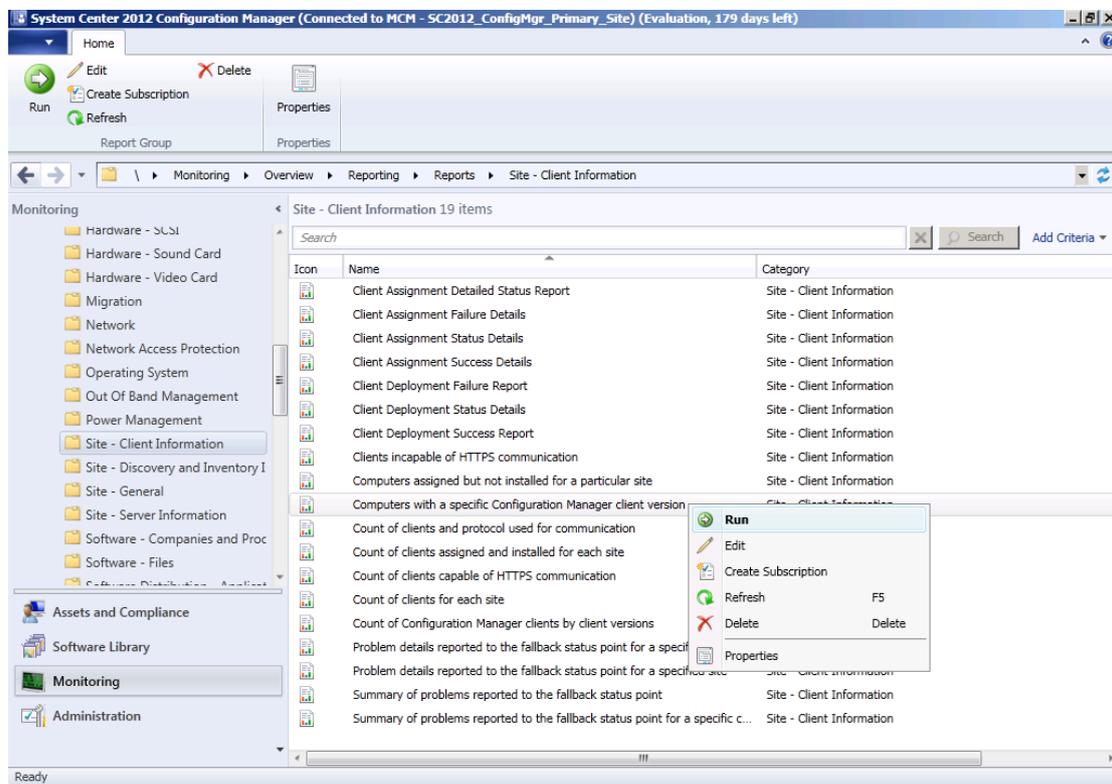
Note : For successfully install **Reporting Services point on DB server** , you need to install **.Net framework 4.0** first.

10) Click Reports node , you can see all reports :

System Center 2012 Configuration Manager RTM Configure Document

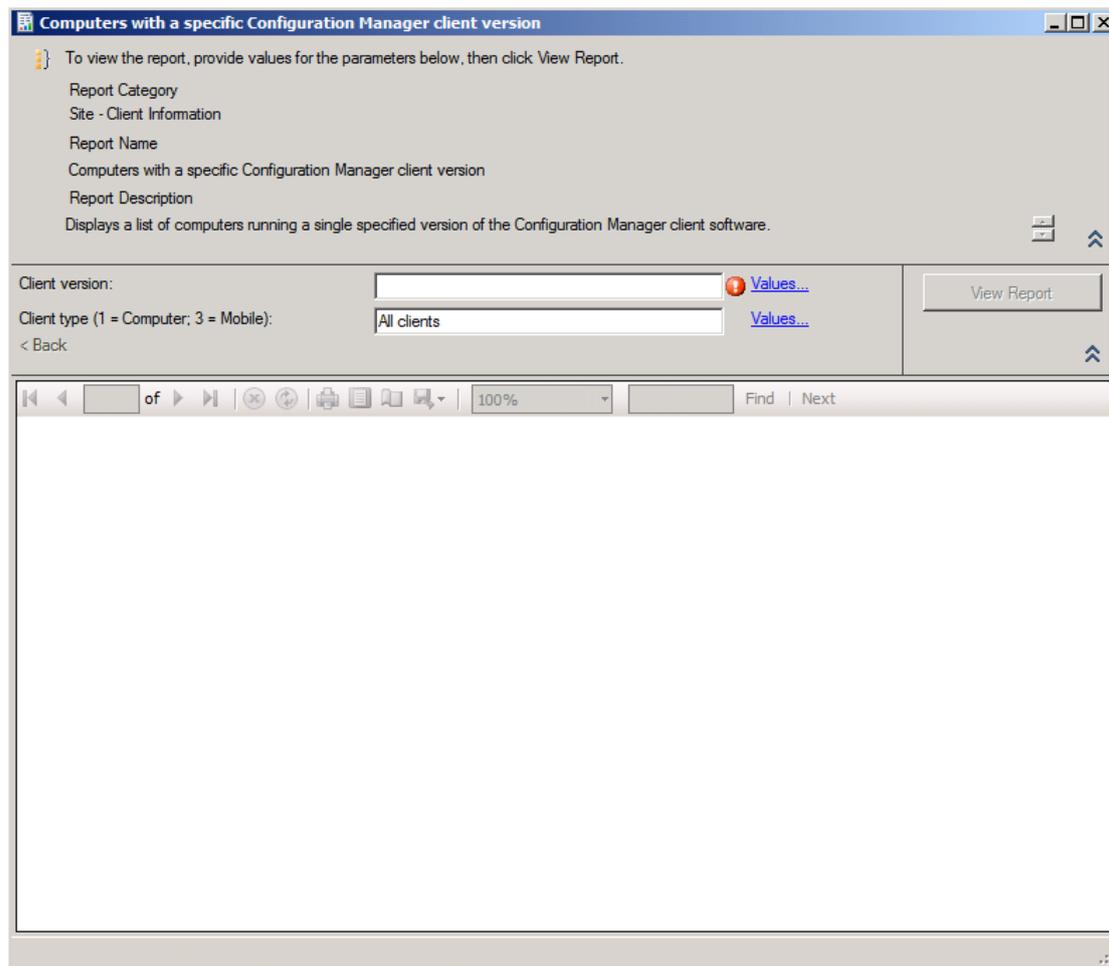


11) Right-click **Computers with a specific Configuration Manager client versions** report and click **Run** :

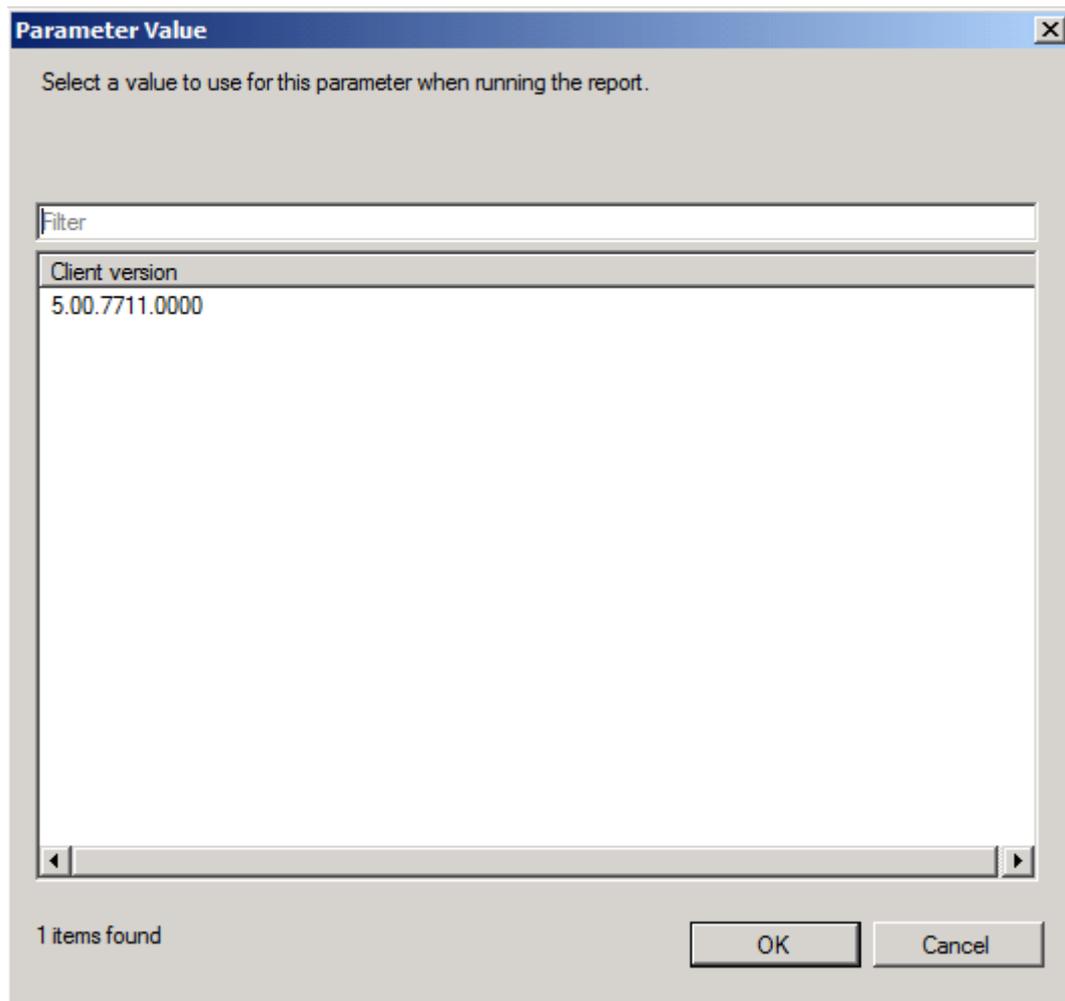


Justin Gao 高扬
yanga@microsoft.com
http://blogs.technet.com/b/justin_gao

12) Will display :

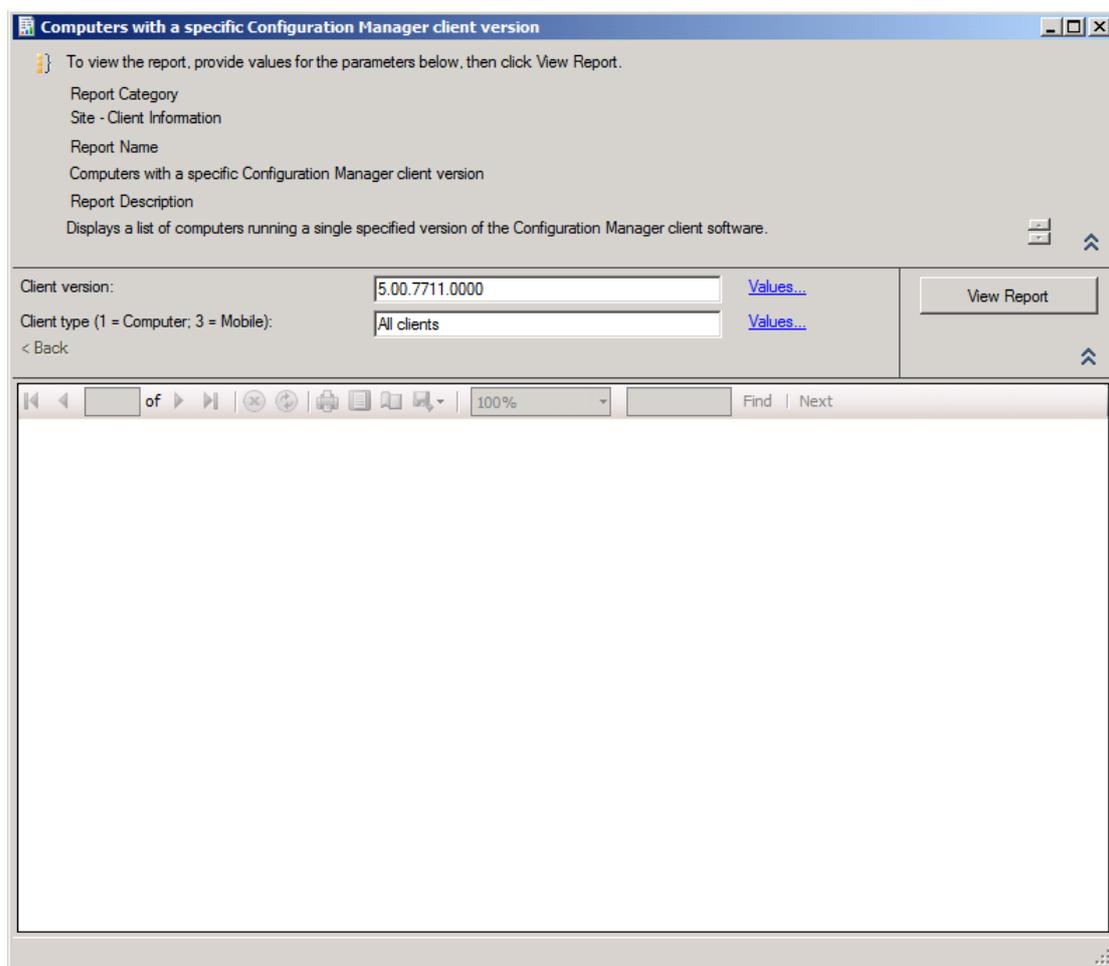


13) Click **Client Version Values...** item , will open **Parameter Value** box :



14) Select any client version and click **OK** will back to selection page :

System Center 2012
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Configure Document



15) Click **View Report** will display all result :

**System Center 2012
Configuration Manager RTM
Configure Document**

The screenshot shows a web-based report configuration window. At the top, the title is "Computers with a specific Configuration Manager client version". Below the title, there is a "View Report" button and a "Values..." link. The main area contains a table with the following data:

NetBIOS Name	User Domain	User Name	Client Version
CLIENT	CONTOSO	Justin	5.00.7711.0000
CONFIGMGR2012	CONTOSO	Administrator	5.00.7711.0000
CONSOLE	CONTOSO	Administrator	5.00.7711.0000
DB	CONTOSO	Administrator	5.00.7711.0000
DC	CONTOSO	Administrator	5.00.7711.0000

16) Now you are finished **System Center 2012 Configuration Manager RTM** basic configuration .