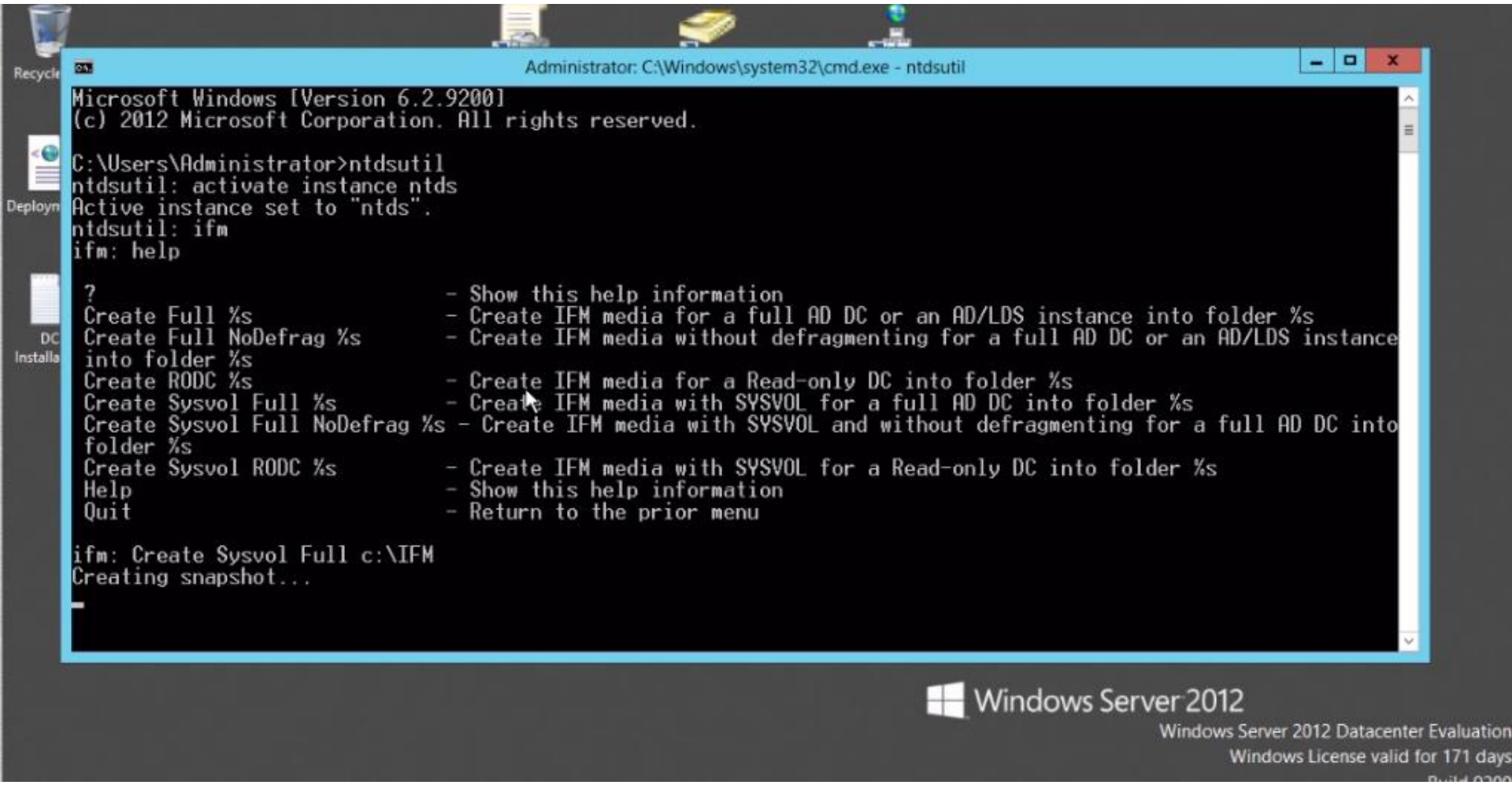
INSTALL A DOMAIN CONTROLLER BY USING INSTALL FROM MEDIA (IFM)

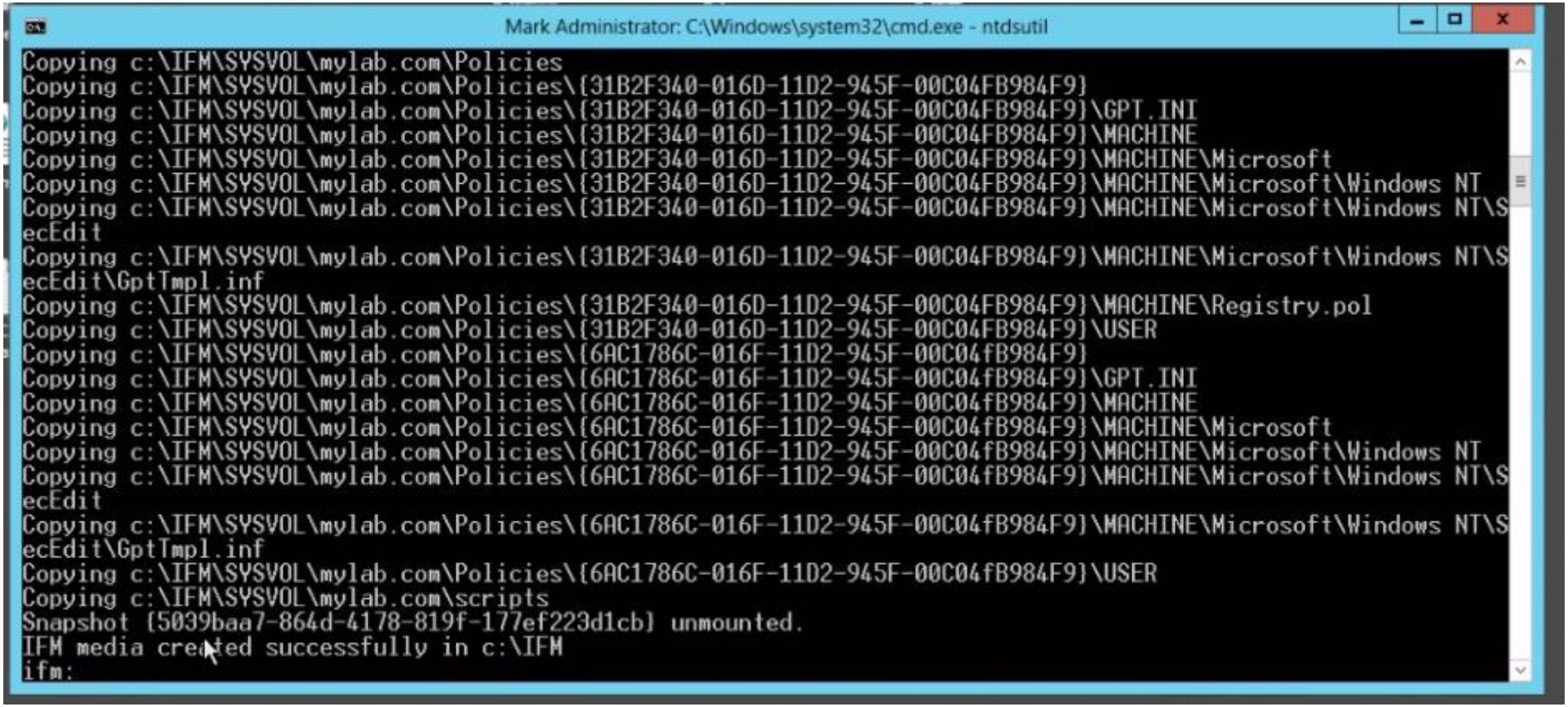
Installing a Domain Controller by using IFM

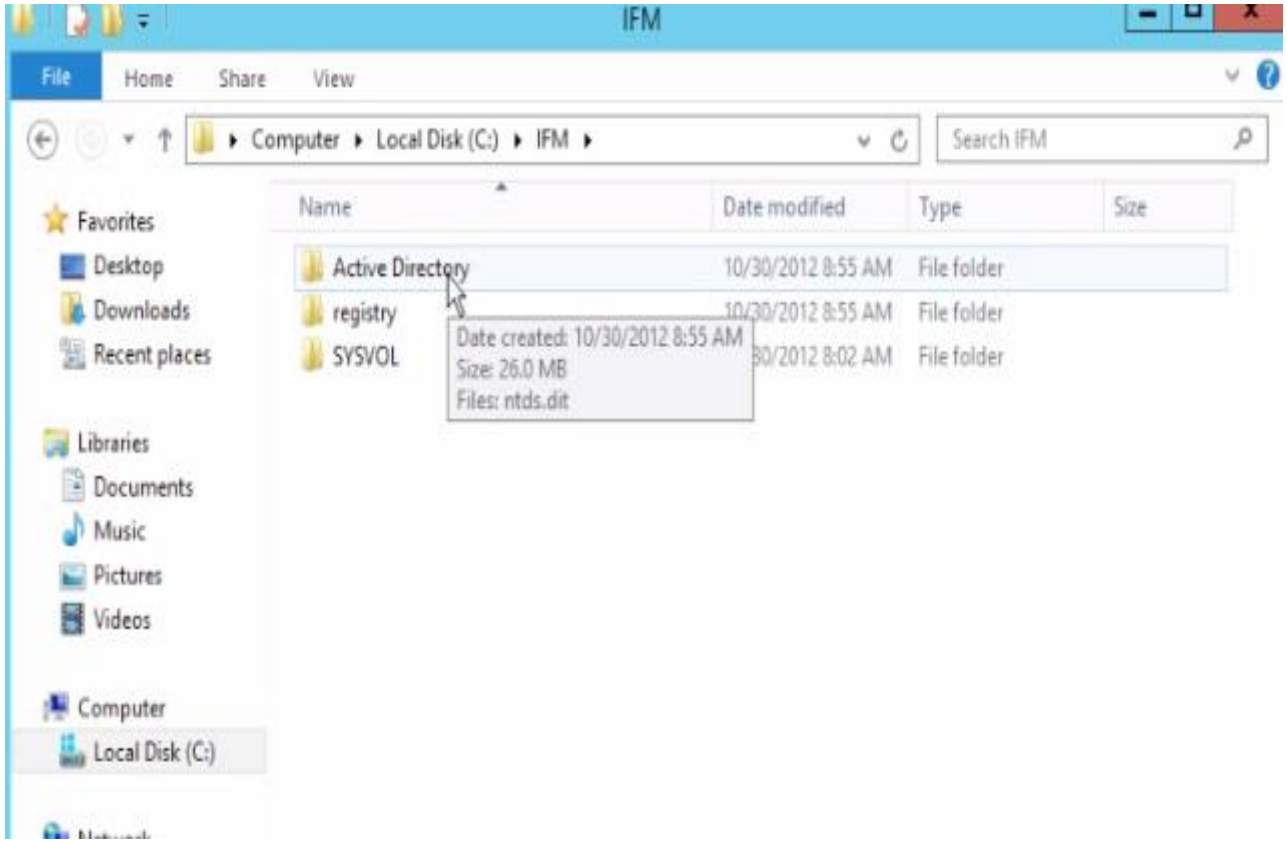
- If you install AD DS on remote office, you will need to copy the entire AD DS database and SYSVOL folder to the new Domain Controller.
- This process must take place over a potentially unreliable WAN link.
- As an alternative, and to significantly reduce the amount of the traffic copied over the network...

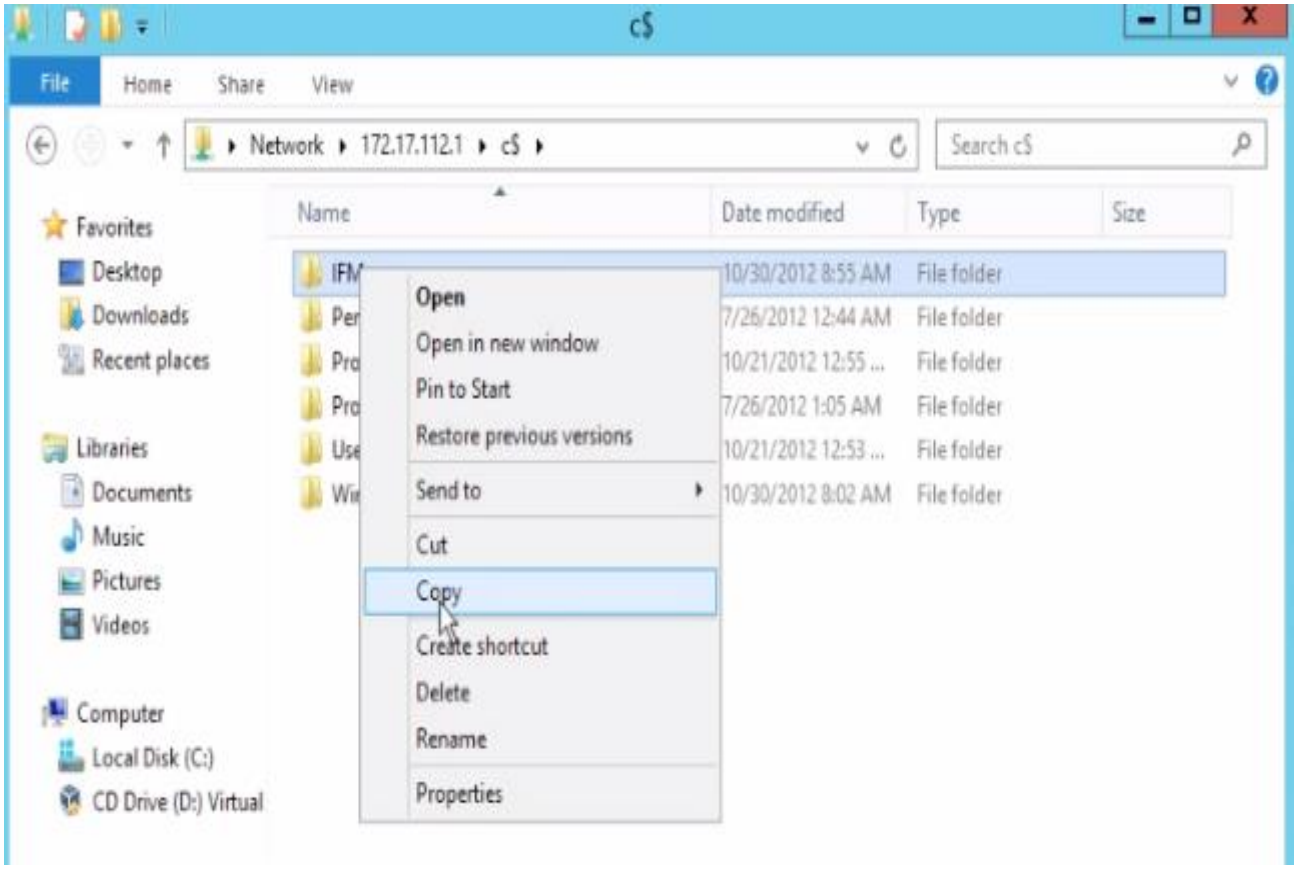
Installing Additional Domain Controller in Windows Server 2012 using IFM (installtion from media)....

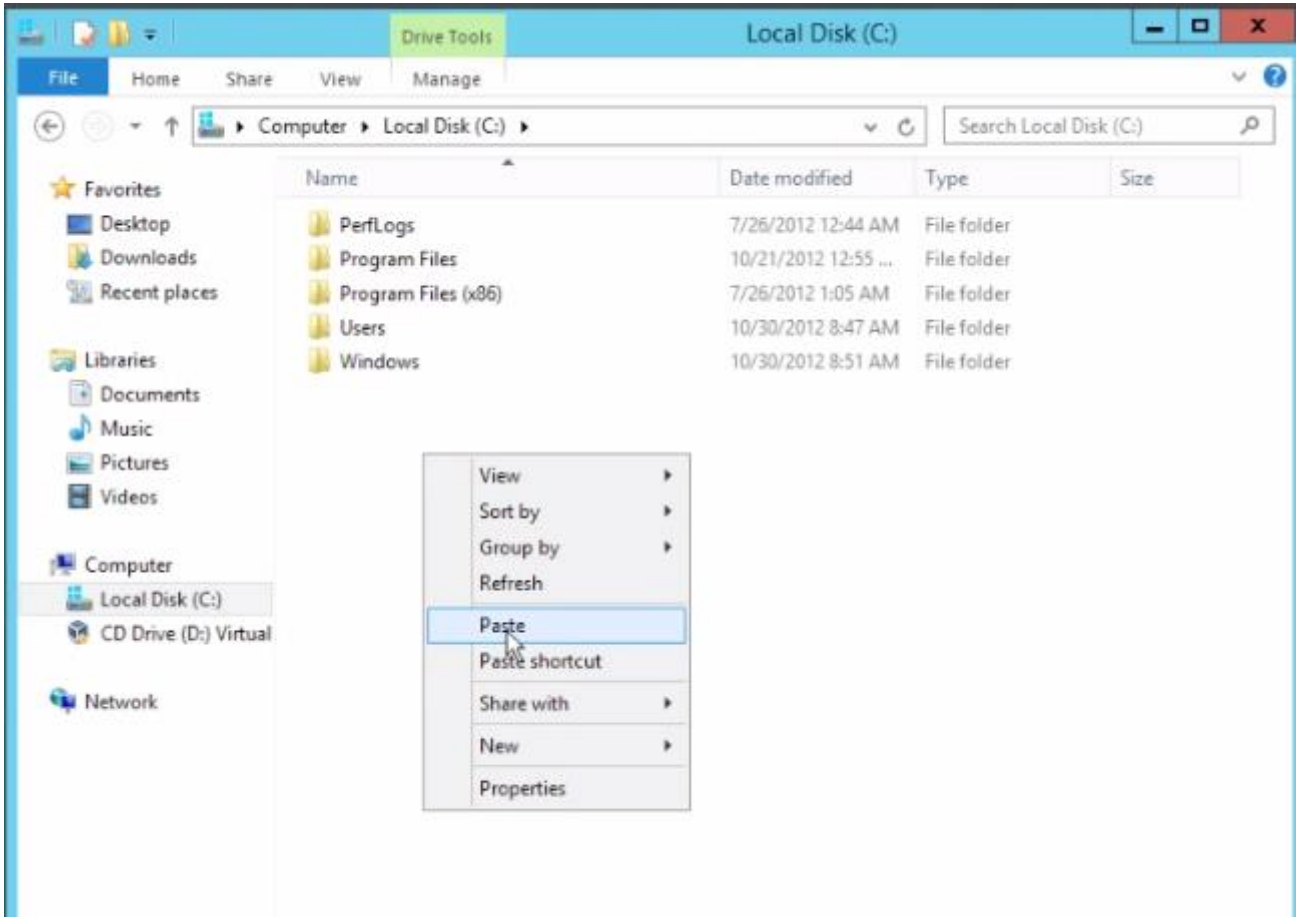
1) create IFM copy on root dc....

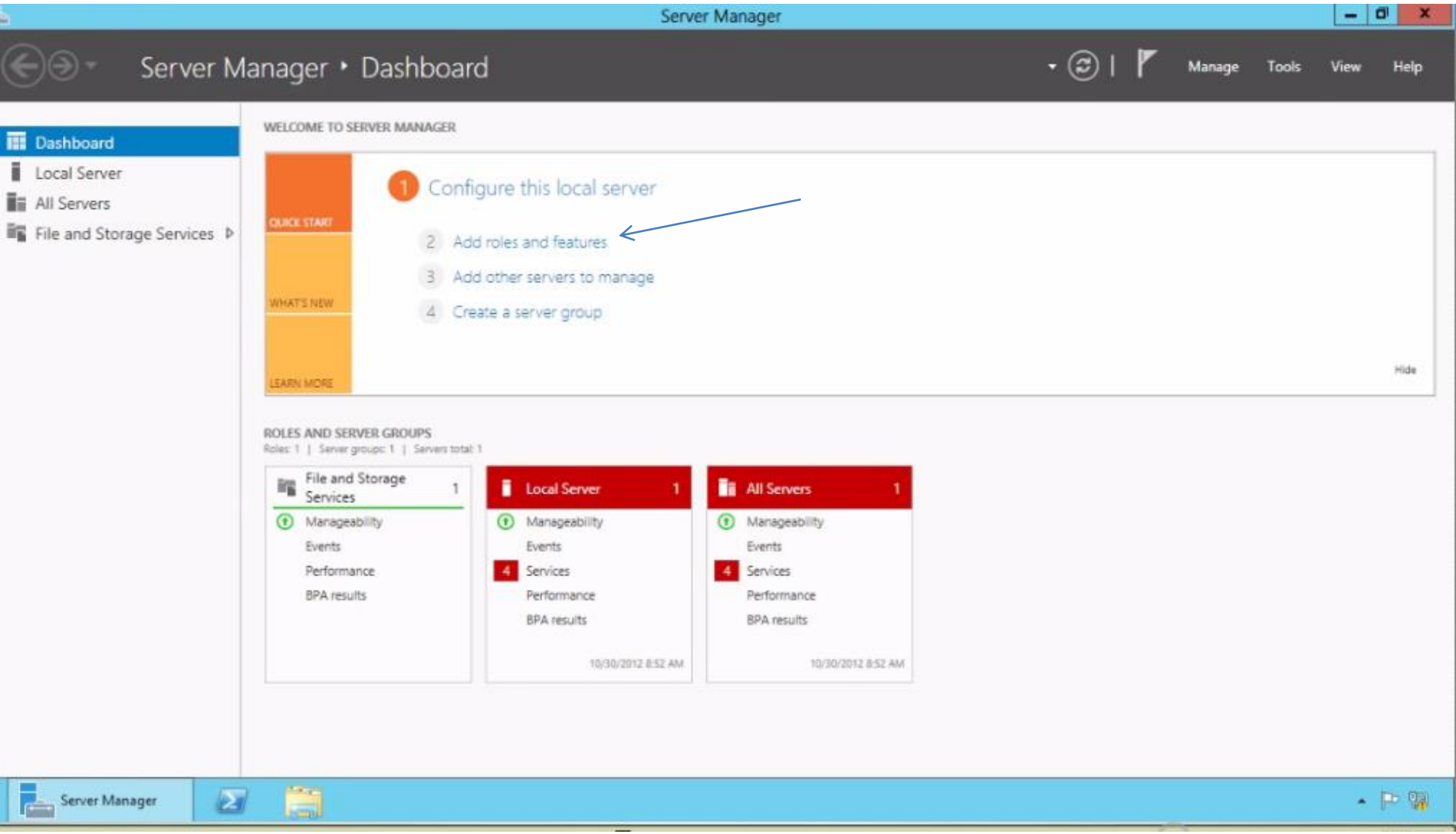

Administrator: C:\Windows\system32\cmd.exe - ntdsutil
Microsoft Windows [Version 6.2.9200]
(c) 2012 Microsoft Corporation. All rights reserved.
C:\Users\Administrator>ntdsutil
ntdsutil: activate instance ntds
Active instance set to "ntds".
ntdsutil: ifm
ifm: help
? - Show this help information
Create Full %s - Create IFM media for a full AD DC or an AD/LDS instance into folder %s
Create Full NoDefrag %s - Create IFM media without defragmenting for a full AD DC or an AD/LDS instance into folder %s
Create RODC %s - Create IFM media for a Read-only DC into folder %s
Create Sysvol Full %s - Create IFM media with SYSVOL for a full AD DC into folder %s
Create Sysvol Full NoDefrag %s - Create IFM media with SYSVOL and without defragmenting for a full AD DC into folder %s
Create Sysvol RODC %s - Create IFM media with SYSVOL for a Read-only DC into folder %s
Help - Show this help information
Quit - Return to the prior menu
ifm: Create Sysvol Full c:\IFM
Creating snapshot...
Windows Server 2012
Windows Server 2012 Datacenter Evaluation
Windows License valid for 171 days

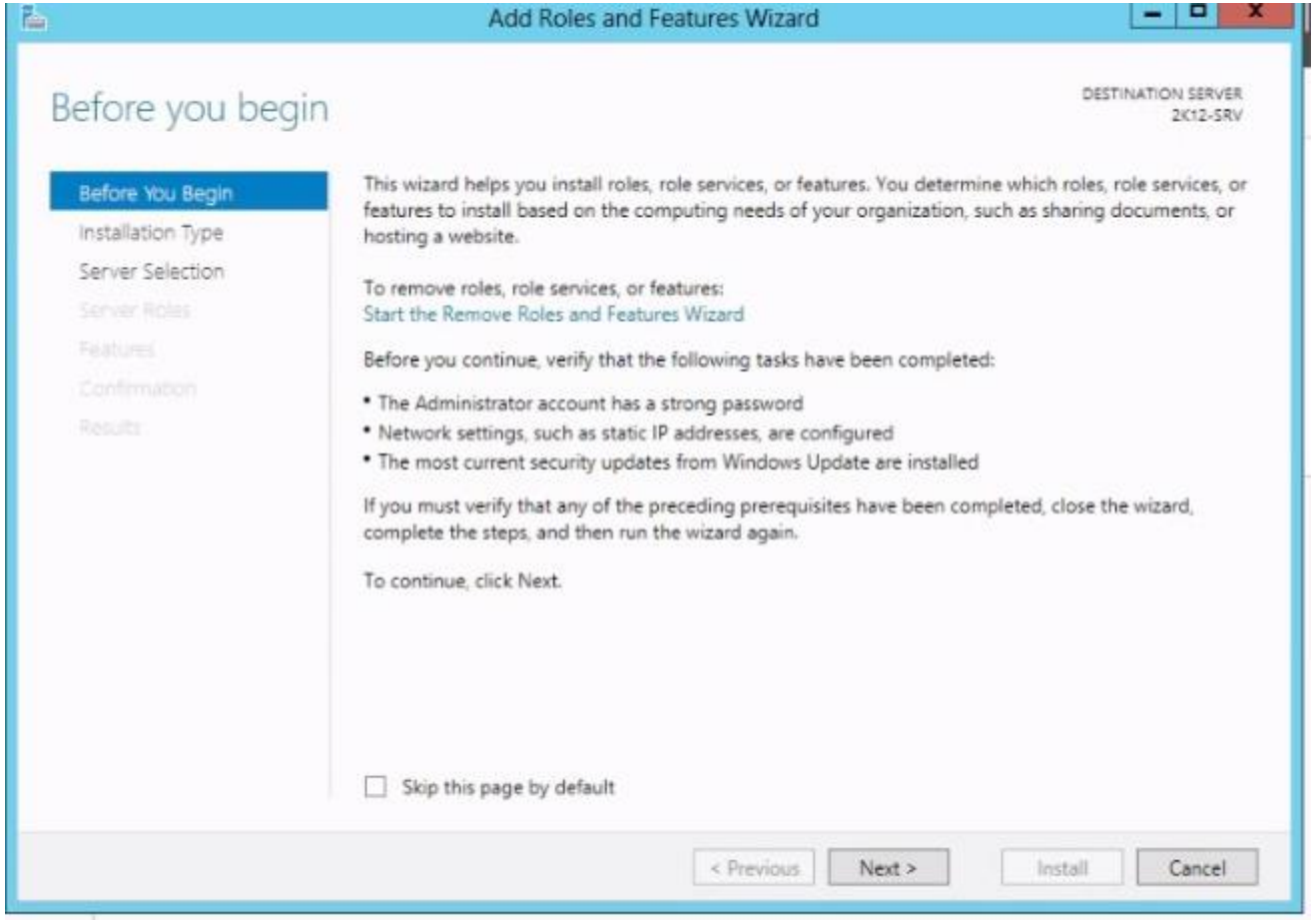

Mark Administrator: C:\Windows\system32\cmd.exe - ntdsutil
Copying c:\IFM\SYSVOL\mylab.com\Policies
Copying c:\IFM\SYSVOL\mylab.com\Policies\{31B2F340-016D-11D2-945F-00C04FB984F9}
Copying c:\IFM\SYSVOL\mylab.com\Policies\{31B2F340-016D-11D2-945F-00C04FB984F9}\GPT.INI
Copying c:\IFM\SYSVOL\mylab.com\Policies\{31B2F340-016D-11D2-945F-00C04FB984F9}\MACHINE
Copying c:\IFM\SYSVOL\mylab.com\Policies\{31B2F340-016D-11D2-945F-00C04FB984F9}\MACHINE\Microsoft
Copying c:\IFM\SYSVOL\mylab.com\Policies\{31B2F340-016D-11D2-945F-00C04FB984F9}\MACHINE\Microsoft\Windows NT
Copying c:\IFM\SYSVOL\mylab.com\Policies\{31B2F340-016D-11D2-945F-00C04FB984F9}\MACHINE\Microsoft\Windows NT\SecEdit
Copying c:\IFM\SYSVOL\mylab.com\Policies\{31B2F340-016D-11D2-945F-00C04FB984F9}\MACHINE\Microsoft\Windows NT\SecEdit\GptTmpl.inf
Copying c:\IFM\SYSVOL\mylab.com\Policies\{31B2F340-016D-11D2-945F-00C04FB984F9}\MACHINE\Registry.pol
Copying c:\IFM\SYSVOL\mylab.com\Policies\{31B2F340-016D-11D2-945F-00C04FB984F9}\USER
Copying c:\IFM\SYSVOL\mylab.com\Policies\{6AC1786C-016F-11D2-945F-00C04fB984F9}
Copying c:\IFM\SYSVOL\mylab.com\Policies\{6AC1786C-016F-11D2-945F-00C04fB984F9}\GPT.INI
Copying c:\IFM\SYSVOL\mylab.com\Policies\{6AC1786C-016F-11D2-945F-00C04fB984F9}\MACHINE
Copying c:\IFM\SYSVOL\mylab.com\Policies\{6AC1786C-016F-11D2-945F-00C04fB984F9}\MACHINE\Microsoft
Copying c:\IFM\SYSVOL\mylab.com\Policies\{6AC1786C-016F-11D2-945F-00C04fB984F9}\MACHINE\Microsoft\Windows NT
Copying c:\IFM\SYSVOL\mylab.com\Policies\{6AC1786C-016F-11D2-945F-00C04fB984F9}\MACHINE\Microsoft\Windows NT\SecEdit
Copying c:\IFM\SYSVOL\mylab.com\Policies\{6AC1786C-016F-11D2-945F-00C04fB984F9}\MACHINE\Microsoft\Windows NT\SecEdit\GptTmpl.inf
Copying c:\IFM\SYSVOL\mylab.com\Policies\{6AC1786C-016F-11D2-945F-00C04fB984F9}\USER
Copying c:\IFM\SYSVOL\mylab.com\scripts
Snapshot {5039baa7-864d-4178-819f-177ef223d1cb} unmounted.
IFM media created successfully in c:\IFM
ifm:

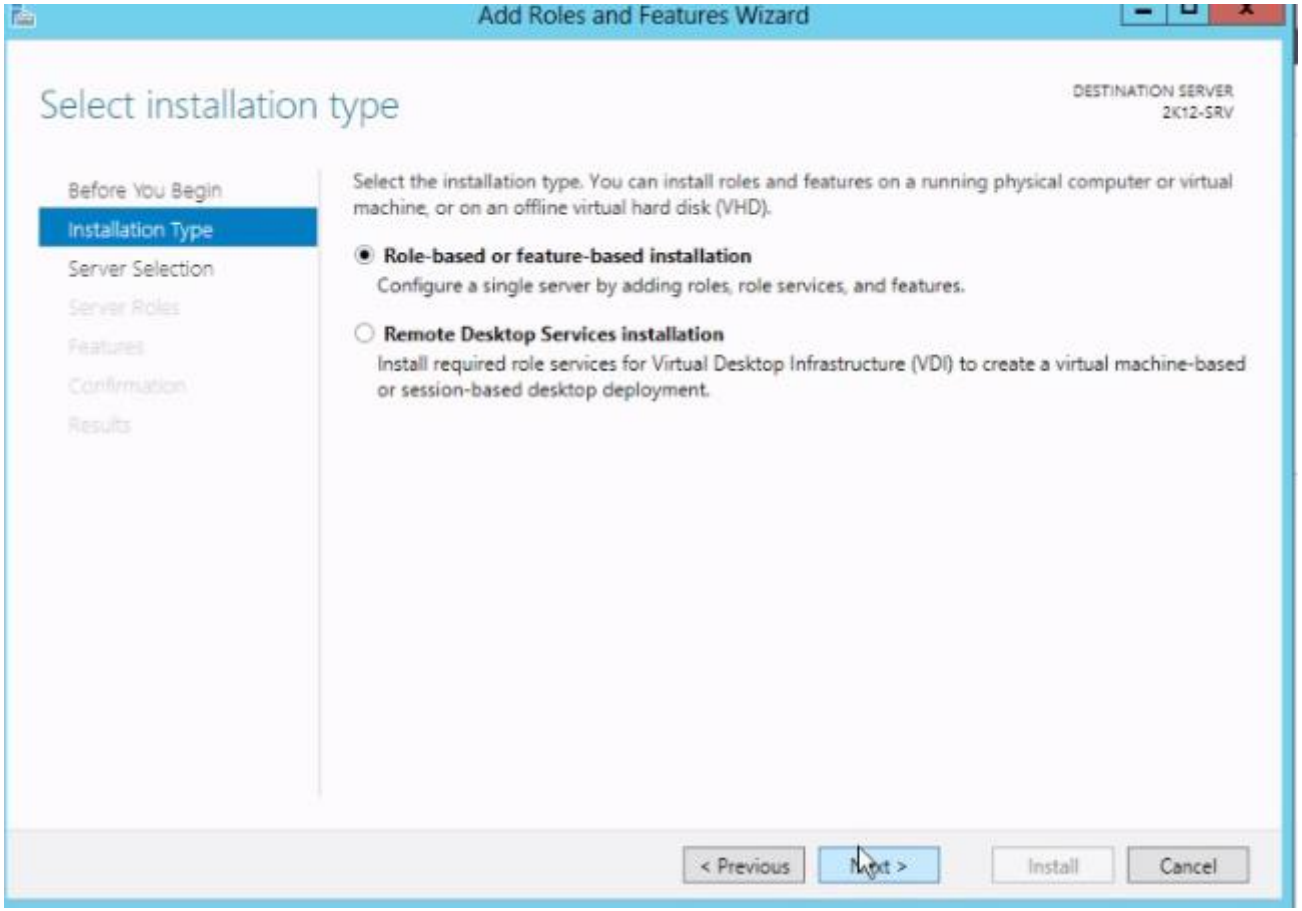

IFM
File
Home
Share
View
Computer ▸ Local Disk (C:) ▸ IFM ▸
Search IFM
Favorites
Desktop
Downloads
Recent places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
Name
Date modified
Type
Size
Active Directory
10/30/2012 8:55 AM
File folder
registry
10/30/2012 8:55 AM
File folder
SYSVOL
30/2012 8:02 AM
File folder
Date created: 10/30/2012 8:55 AM
Size: 26.0 MB
Files: ntds.dit

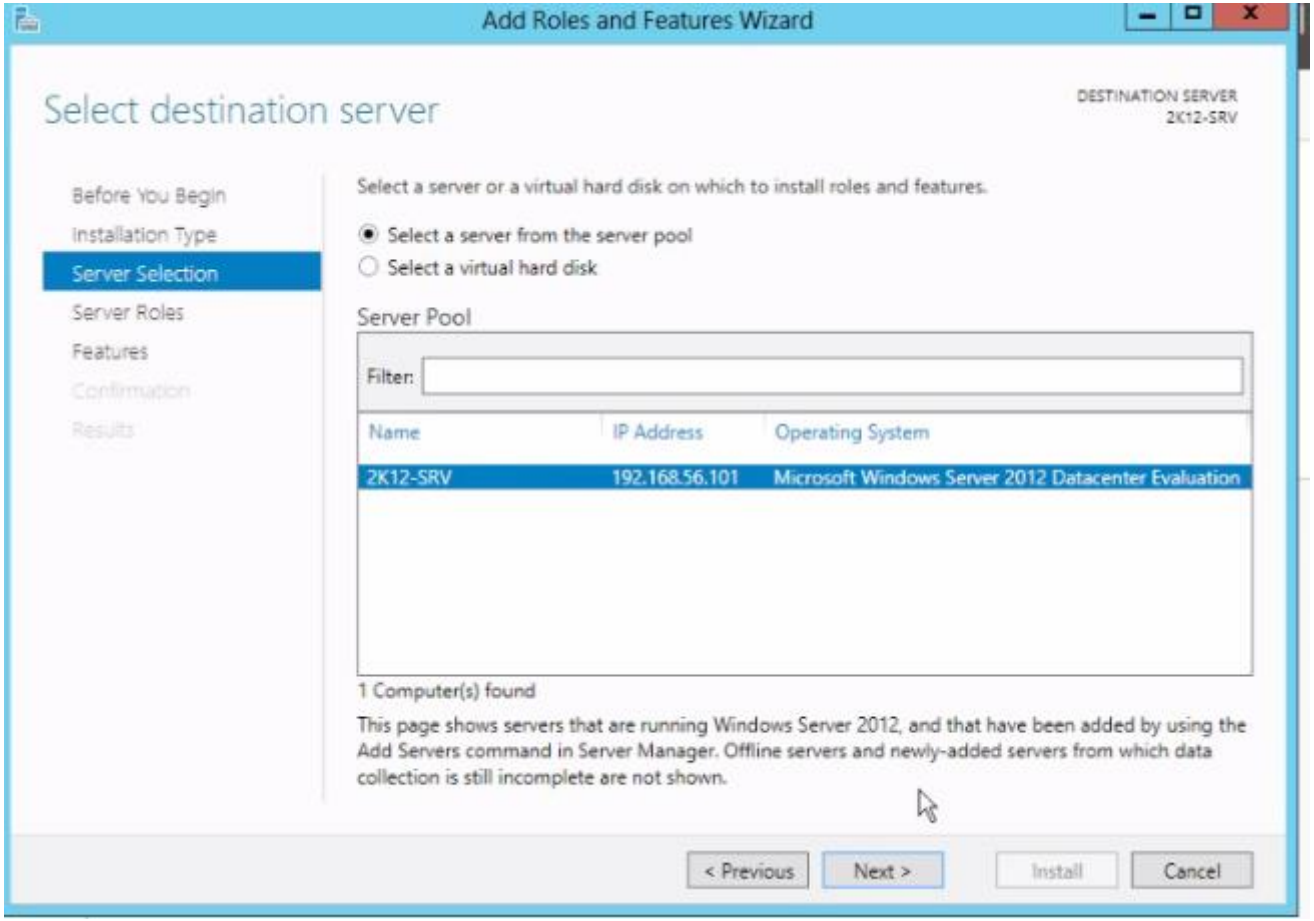

c$
File
Home
Share
View
Network
172.17.112.1
c$
Search c$
Favorites
Desktop
Downloads
Recent places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
CD Drive (D:) Virtual
Name
Date modified
Type
Size
IFM
10/30/2012 8:55 AM
File folder
7/26/2012 12:44 AM
File folder
10/21/2012 12:55 ...
File folder
7/26/2012 1:05 AM
File folder
10/21/2012 12:53 ...
File folder
10/30/2012 8:02 AM
File folder
Open
Open in new window
Pin to Start
Restore previous versions
Send to
Cut
Copy
Create shortcut
Delete
Rename
Properties

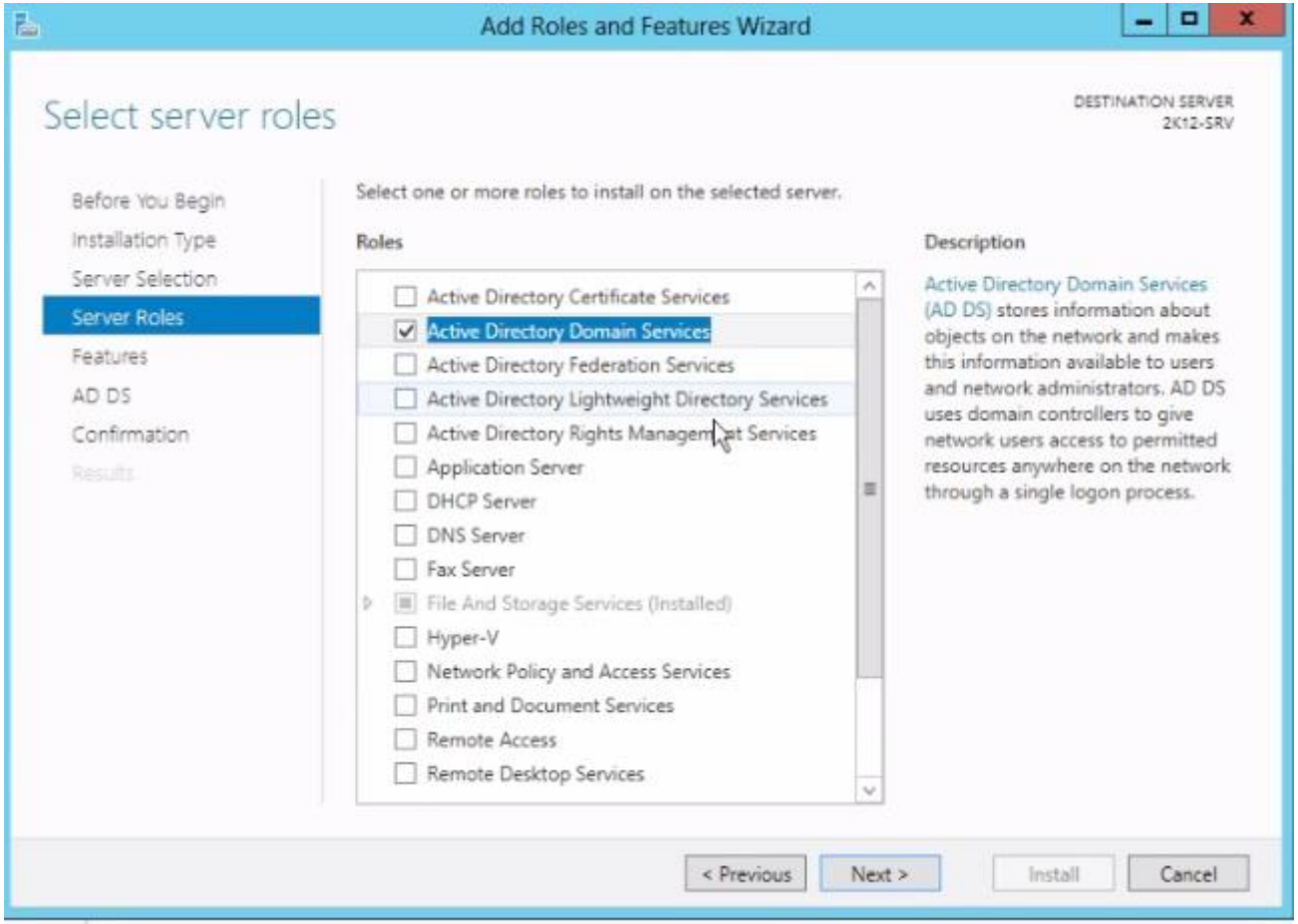

Drive Tools
Local Disk (C:)
File
Home
Share
View
Manage
Computer ▸ Local Disk (C:) ▸
Search Local Disk (C:)
Favorites
Desktop
Downloads
Recent places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
CD Drive (D:) Virtual
Network
Name
Date modified
Type
Size
PerfLogs
7/26/2012 12:44 AM
File folder
Program Files
10/21/2012 12:55 ...
File folder
Program Files (x86)
7/26/2012 1:05 AM
File folder
Users
10/30/2012 8:47 AM
File folder
Windows
10/30/2012 8:51 AM
File folder
View
Sort by
Group by
Refresh
Paste
Paste shortcut
Share with
New
Properties

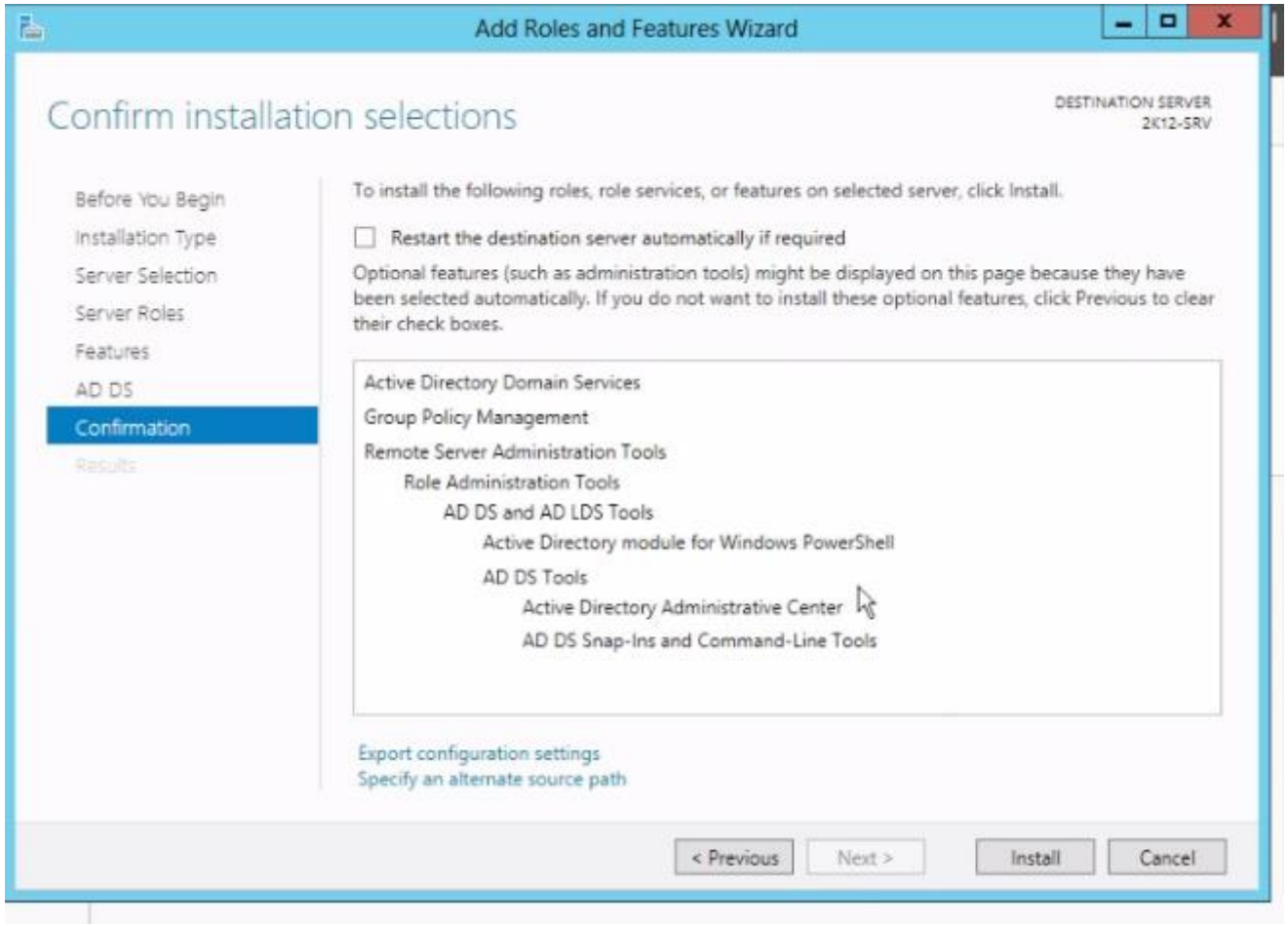

Server Manager
Server Manager • Dashboard
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
File and Storage Services
WELCOME TO SERVER MANAGER
QUICK START
WHAT'S NEW
LEARN MORE
1 Configure this local server
2 Add roles and features
3 Add other servers to manage
4 Create a server group
Hide
ROLES AND SERVER GROUPS
Roles: 1 | Server groups: 1 | Servers total: 1
File and Storage Services 1
Manageability
Events
Performance
BPA results
Local Server 1
Manageability
Events
4 Services
Performance
BPA results
10/30/2012 8:52 AM
All Servers 1
Manageability
Events
4 Services
Performance
BPA results
10/30/2012 8:52 AM
Server Manager

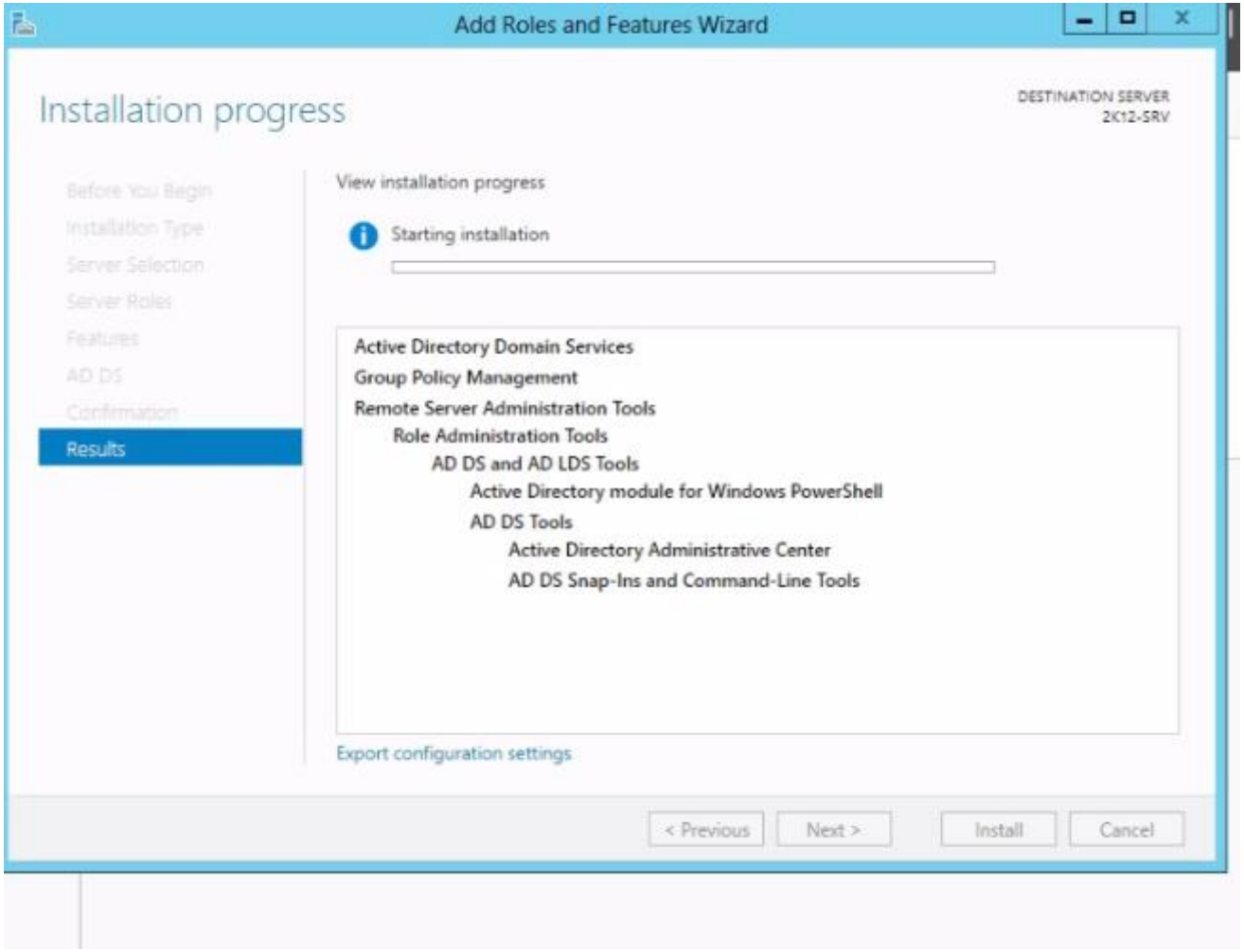

Add Roles and Features Wizard
Before you begin
DESTINATION SERVER
2K12-SRV
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or hosting a website.
To remove roles, role services, or features:
Start the Remove Roles and Features Wizard
Before you continue, verify that the following tasks have been completed:
• The Administrator account has a strong password
• Network settings, such as static IP addresses, are configured
• The most current security updates from Windows Update are installed
If you must verify that any of the preceding prerequisites have been completed, close the wizard, complete the steps, and then run the wizard again.
To continue, click Next.
Skip this page by default
< Previous
Next >
Install
Cancel

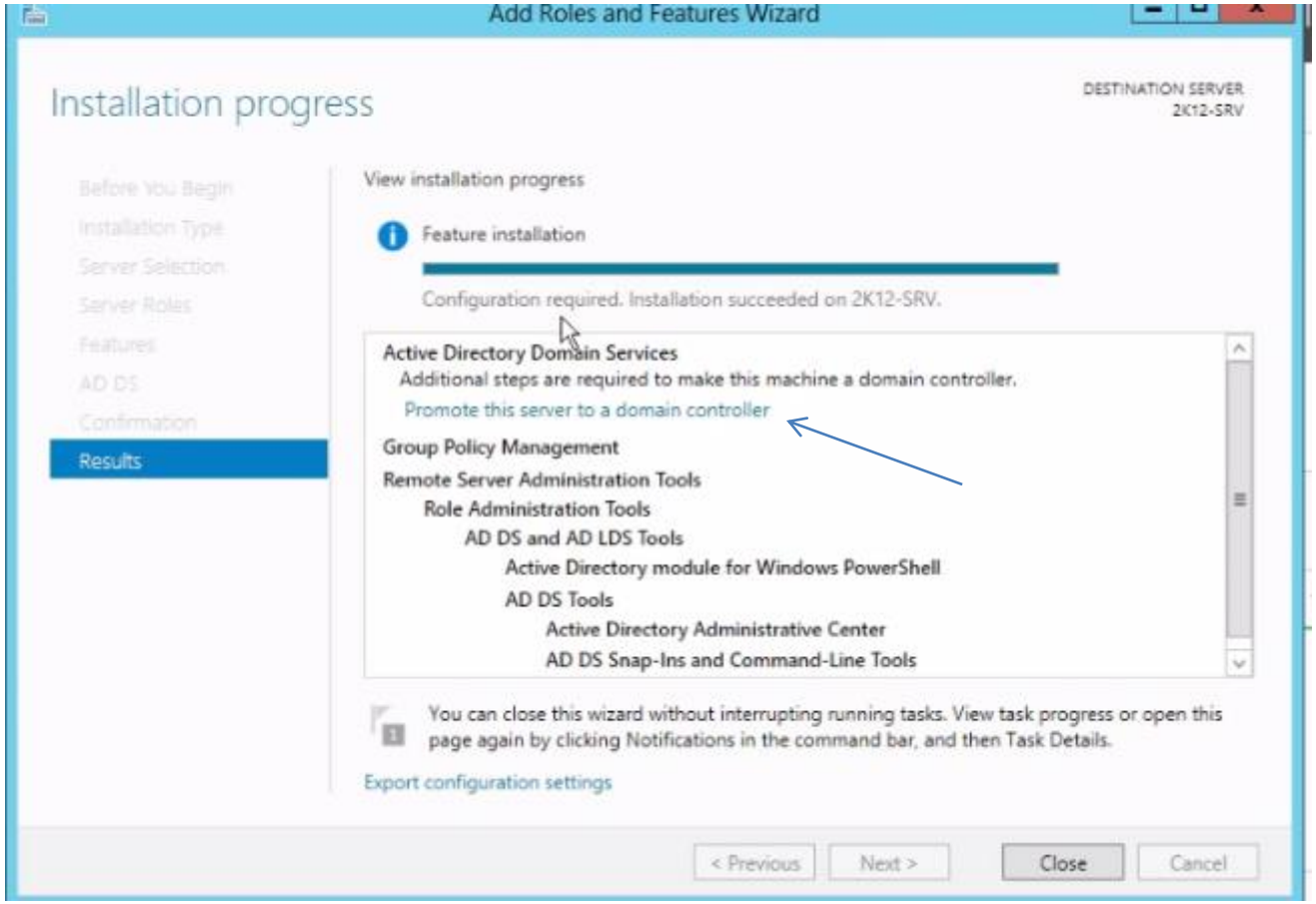

Add Roles and Features Wizard
Select installation type
DESTINATION SERVER
2K12-SRV
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD).
Role-based or feature-based installation
Configure a single server by adding roles, role services, and features.
Remote Desktop Services installation
Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.
< Previous
Next >
Install
Cancel

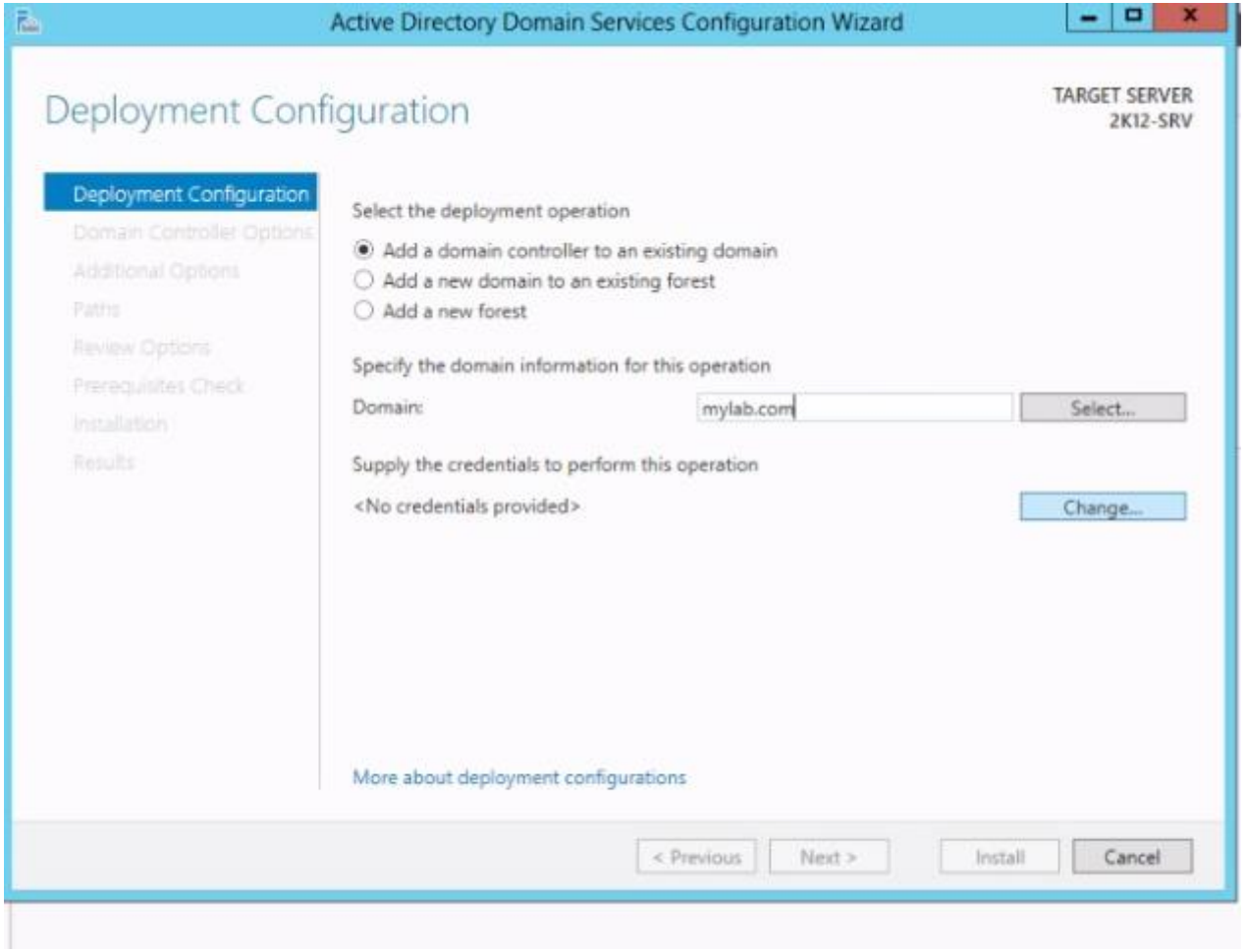

Add Roles and Features Wizard
Select destination server
DESTINATION SERVER
2K12-SRV
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select a server or a virtual hard disk on which to install roles and features.
Select a server from the server pool
Select a virtual hard disk
Server Pool
Filter:
Name
IP Address
Operating System
2K12-SRV
192.168.56.101
Microsoft Windows Server 2012 Datacenter Evaluation
1 Computer(s) found
This page shows servers that are running Windows Server 2012, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.
< Previous
Next >
Install
Cancel

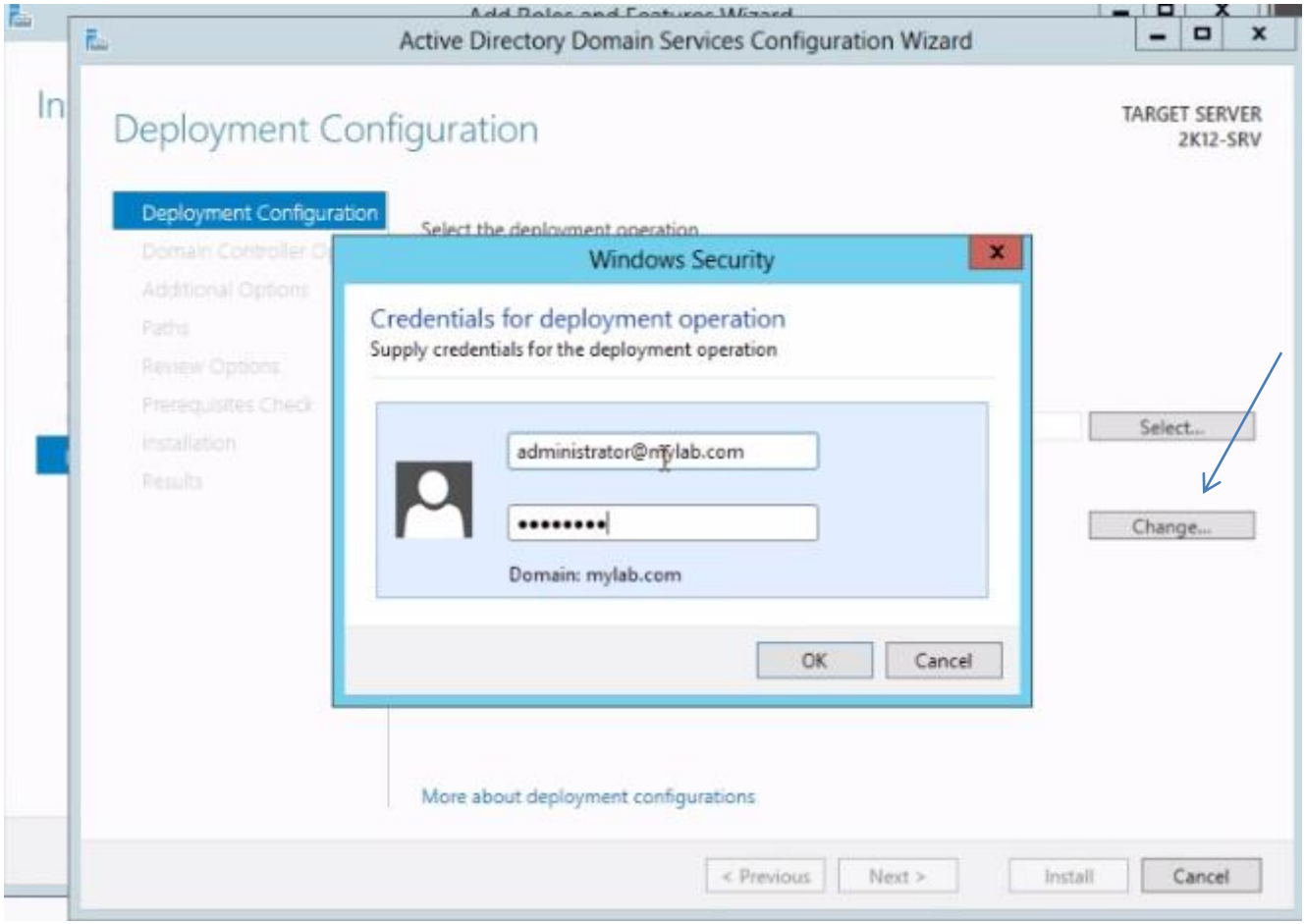

Add Roles and Features Wizard
Select server roles
DESTINATION SERVER
2K12-SRV
Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD DS
Confirmation
Results
Select one or more roles to install on the selected server.
Roles
Active Directory Certificate Services
Active Directory Domain Services
Active Directory Federation Services
Active Directory Lightweight Directory Services
Active Directory Rights Management Services
Application Server
DHCP Server
DNS Server
Fax Server
File And Storage Services (Installed)
Hyper-V
Network Policy and Access Services
Print and Document Services
Remote Access
Remote Desktop Services
Description
Active Directory Domain Services (AD DS) stores information about objects on the network and makes this information available to users and network administrators. AD DS uses domain controllers to give network users access to permitted resources anywhere on the network through a single logon process.
< Previous
Next >
Install
Cancel

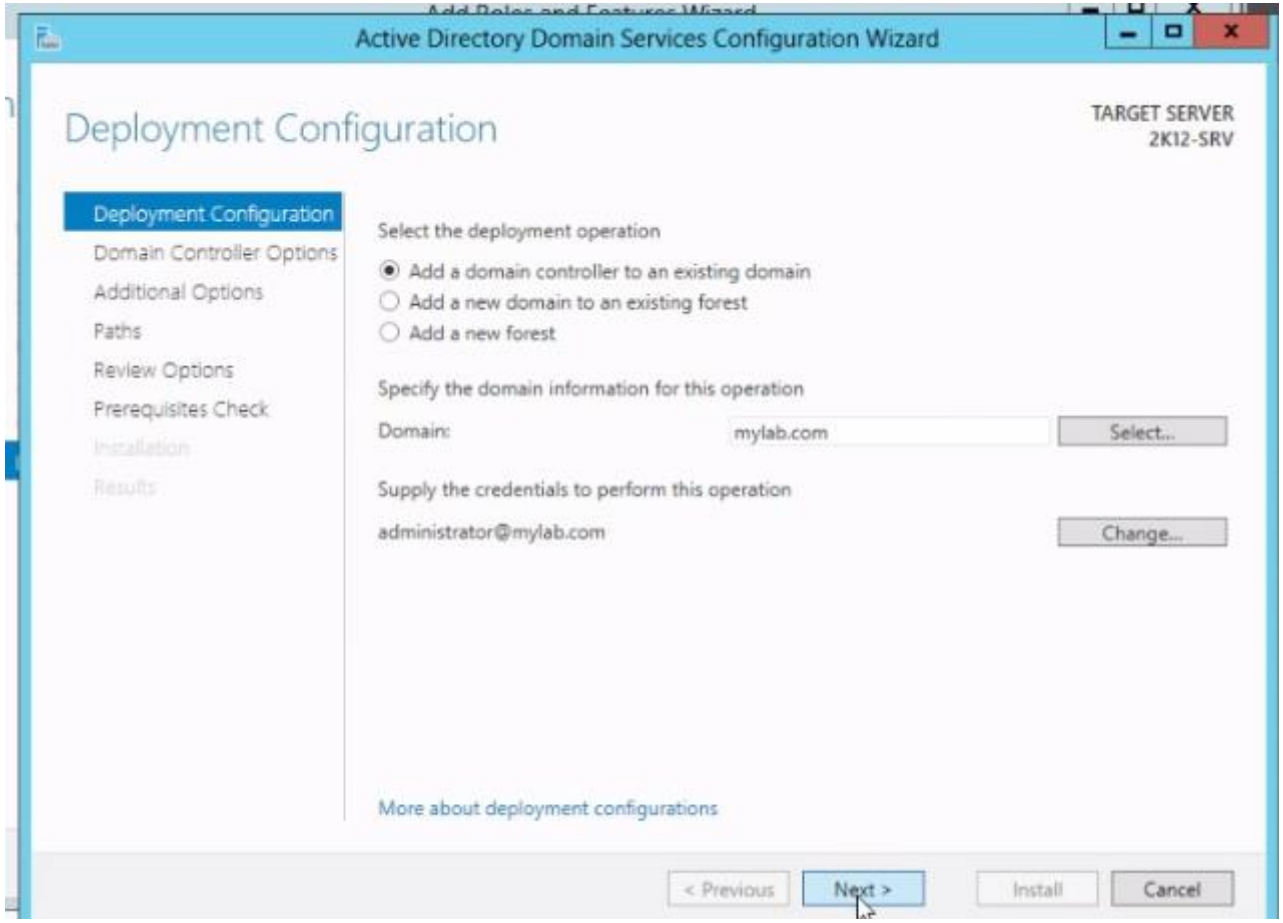

Add Roles and Features Wizard
Confirm installation selections
DESTINATION SERVER
2K12-SRV
Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD DS
Confirmation
Results
To install the following roles, role services, or features on selected server, click Install.
Restart the destination server automatically if required
Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.
Active Directory Domain Services
Group Policy Management
Remote Server Administration Tools
Role Administration Tools
AD DS and AD LDS Tools
Active Directory module for Windows PowerShell
AD DS Tools
Active Directory Administrative Center
AD DS Snap-Ins and Command-Line Tools
Export configuration settings
Specify an alternate source path
< Previous
Next >
Install
Cancel

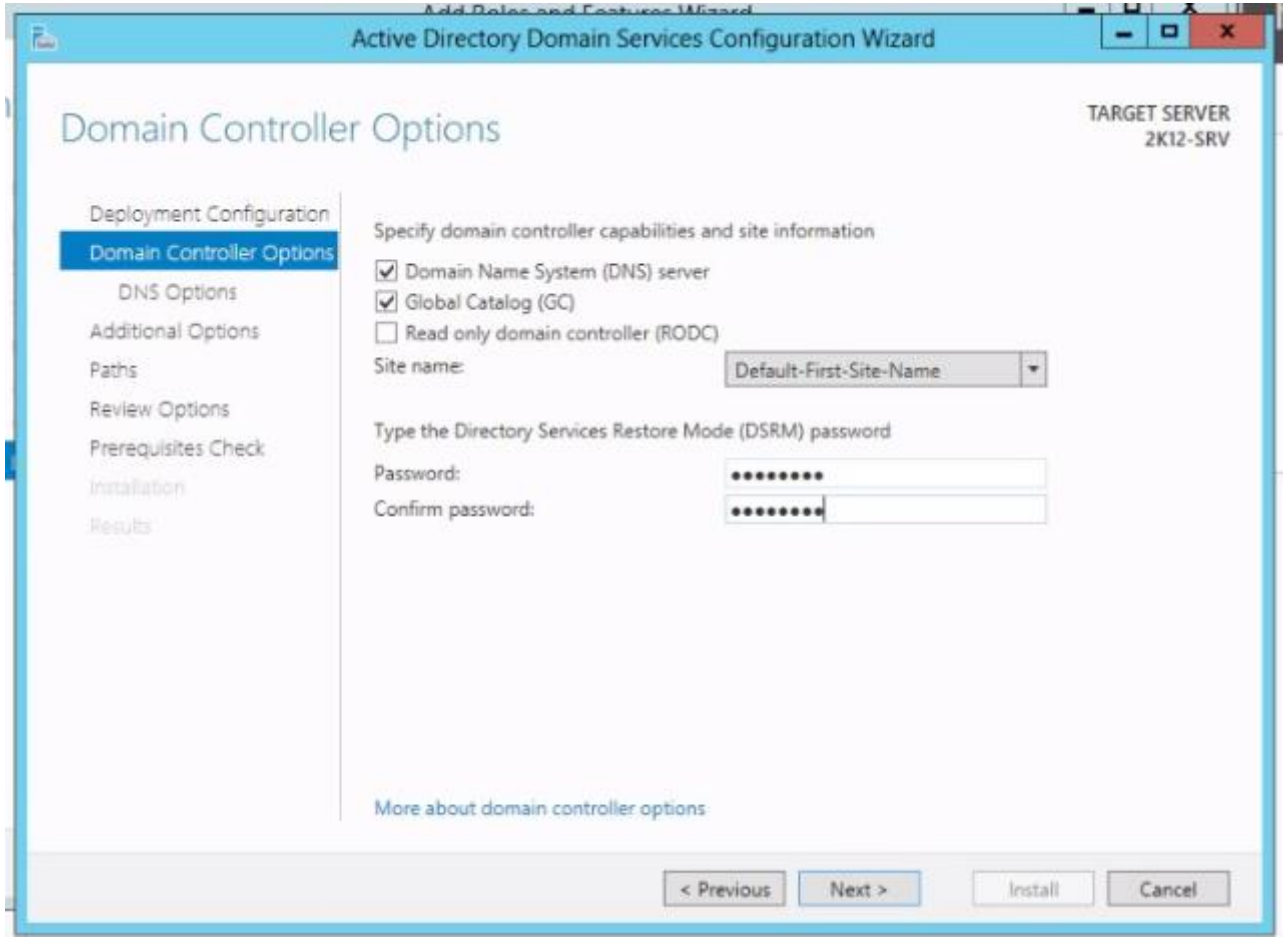

Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
2K12-SRV
Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD DS
Confirmation
Results
View installation progress
Starting installation
Active Directory Domain Services
Group Policy Management
Remote Server Administration Tools
Role Administration Tools
AD DS and AD LDS Tools
Active Directory module for Windows PowerShell
AD DS Tools
Active Directory Administrative Center
AD DS Snap-Ins and Command-Line Tools
Export configuration settings
< Previous
Next >
Install
Cancel

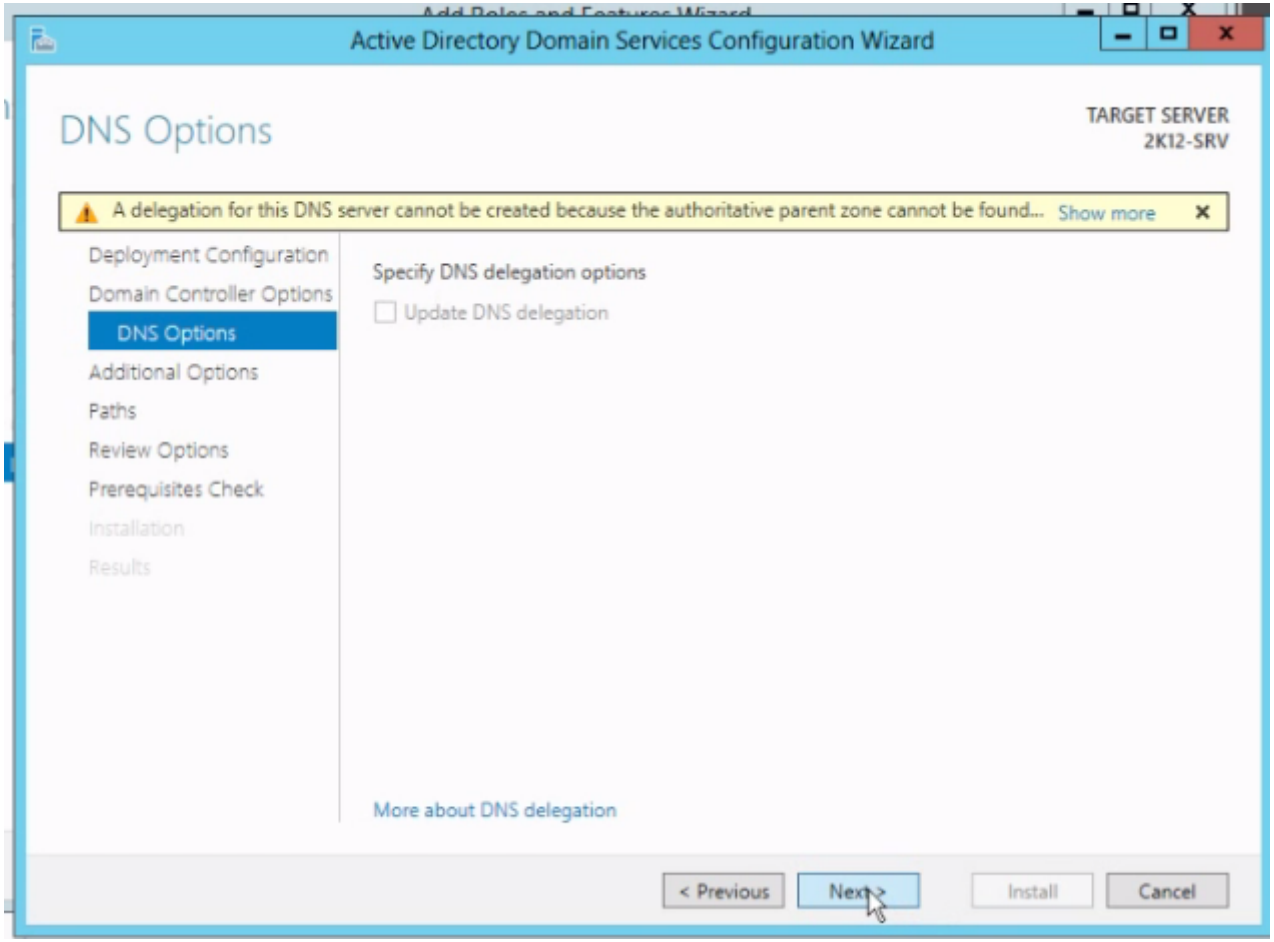

Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
2K12-SRV
Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD DS
Confirmation
Results
View installation progress
Feature installation
Configuration required. Installation succeeded on 2K12-SRV.
Active Directory Domain Services
Additional steps are required to make this machine a domain controller.
Promote this server to a domain controller
Group Policy Management
Remote Server Administration Tools
Role Administration Tools
AD DS and AD LDS Tools
Active Directory module for Windows PowerShell
AD DS Tools
Active Directory Administrative Center
AD DS Snap-Ins and Command-Line Tools
You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.
Export configuration settings
< Previous
Next >
Close
Cancel

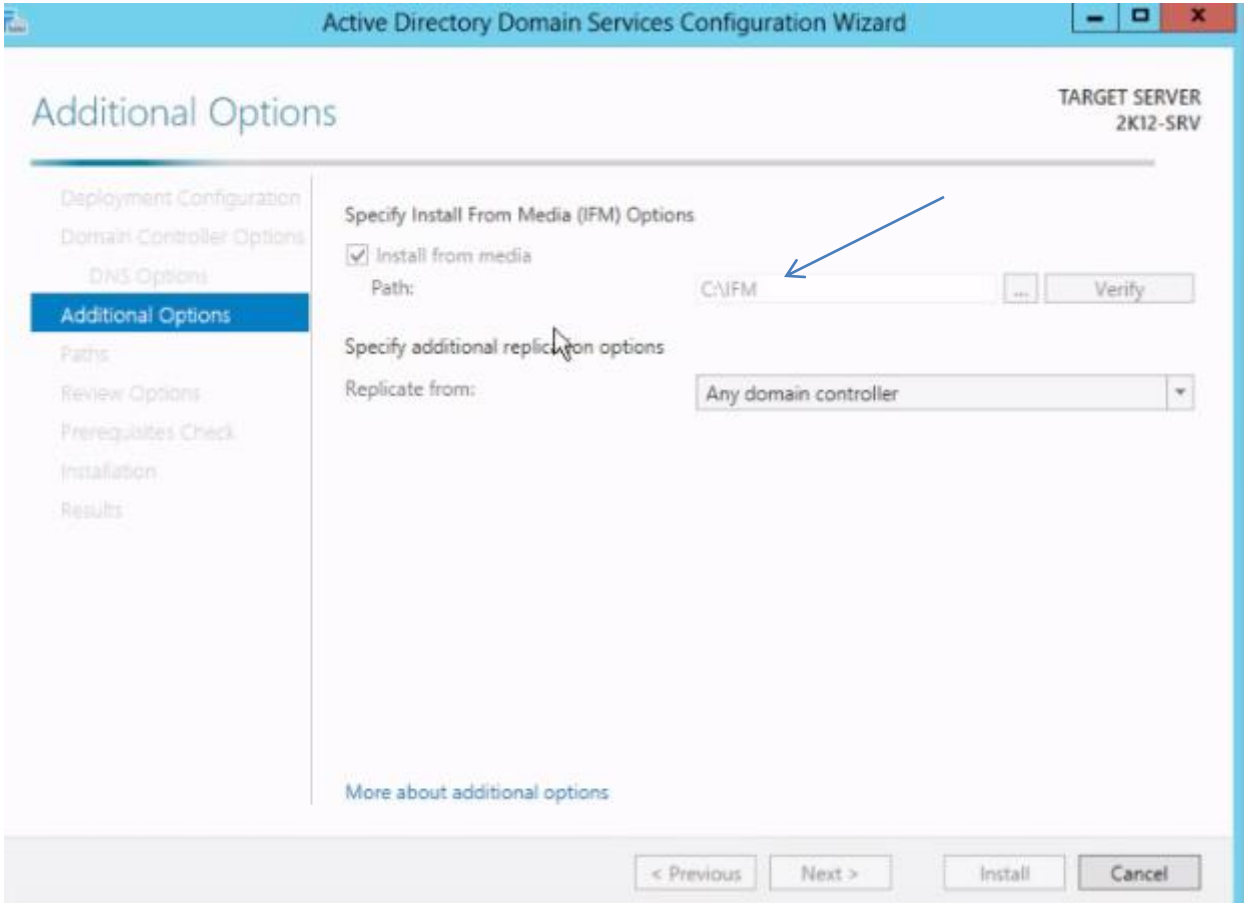

Active Directory Domain Services Configuration Wizard
Deployment Configuration
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Select the deployment operation
Add a domain controller to an existing domain
Add a new domain to an existing forest
Add a new forest
Specify the domain information for this operation
Domain:
mylab.com
Select...
Supply the credentials to perform this operation
<No credentials provided>
Change...
More about deployment configurations
< Previous
Next >
Install
Cancel

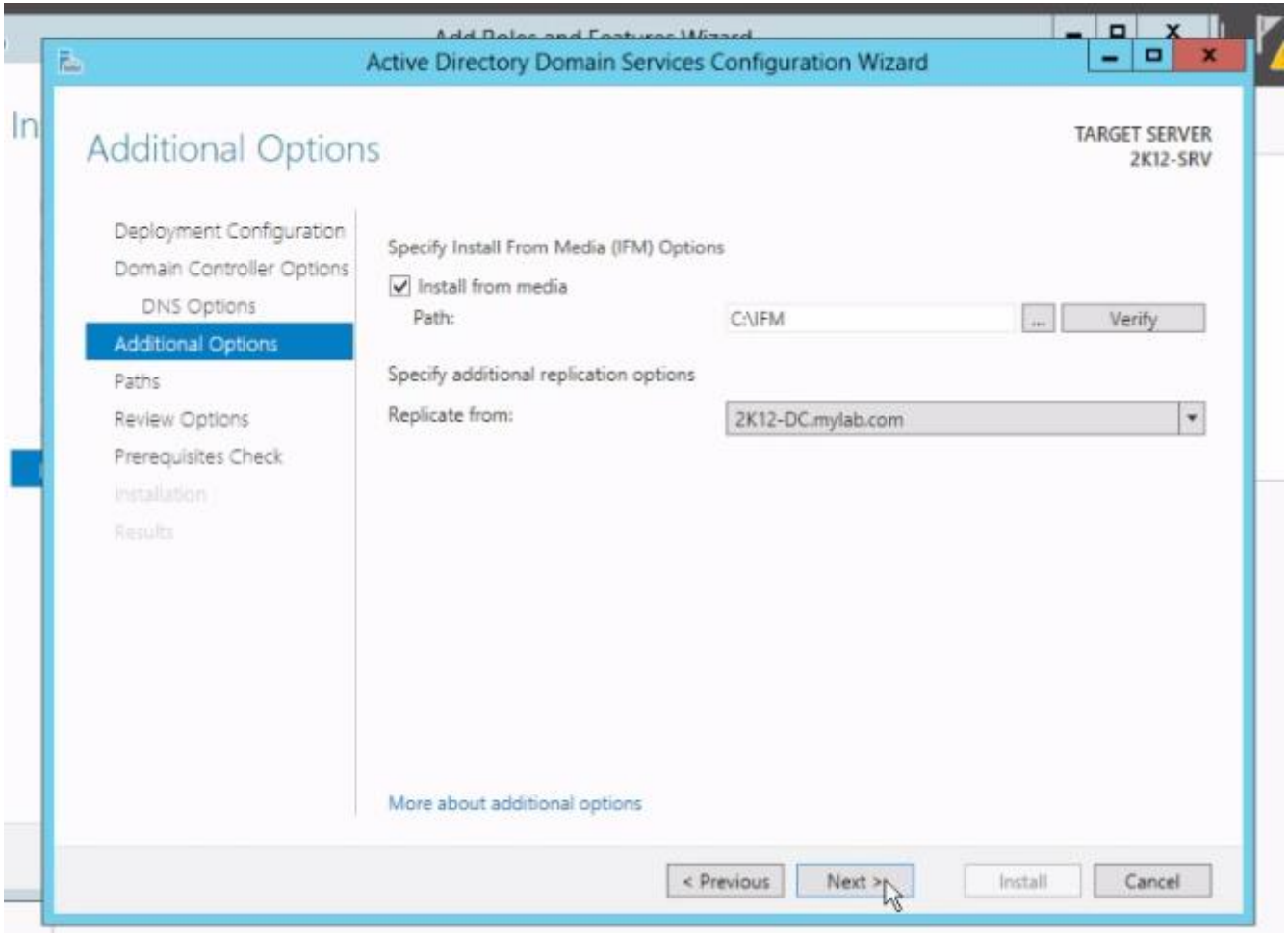

Active Directory Domain Services Configuration Wizard
Deployment Configuration
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Select the deployment operation
Windows Security
Credentials for deployment operation
Supply credentials for the deployment operation
administrator@mylab.com
Domain: mylab.com
OK
Cancel
Select...
Change...
More about deployment configurations
< Previous
Next >
Install
Cancel

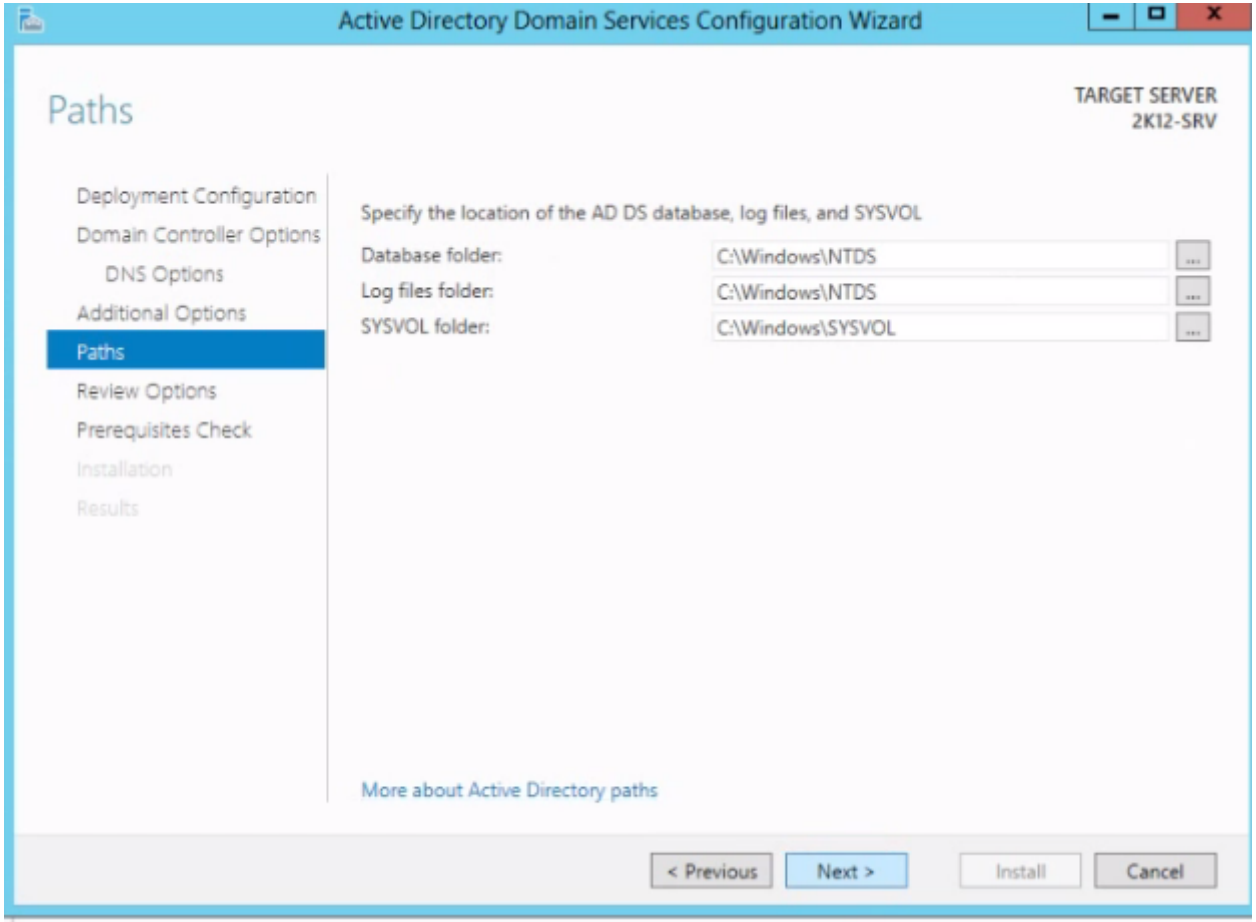

Active Directory Domain Services Configuration Wizard
Deployment Configuration
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Select the deployment operation
Add a domain controller to an existing domain
Add a new domain to an existing forest
Add a new forest
Specify the domain information for this operation
Domain:
mylab.com
Select...
Supply the credentials to perform this operation
administrator@mylab.com
Change...
More about deployment configurations
< Previous
Next >
Install
Cancel

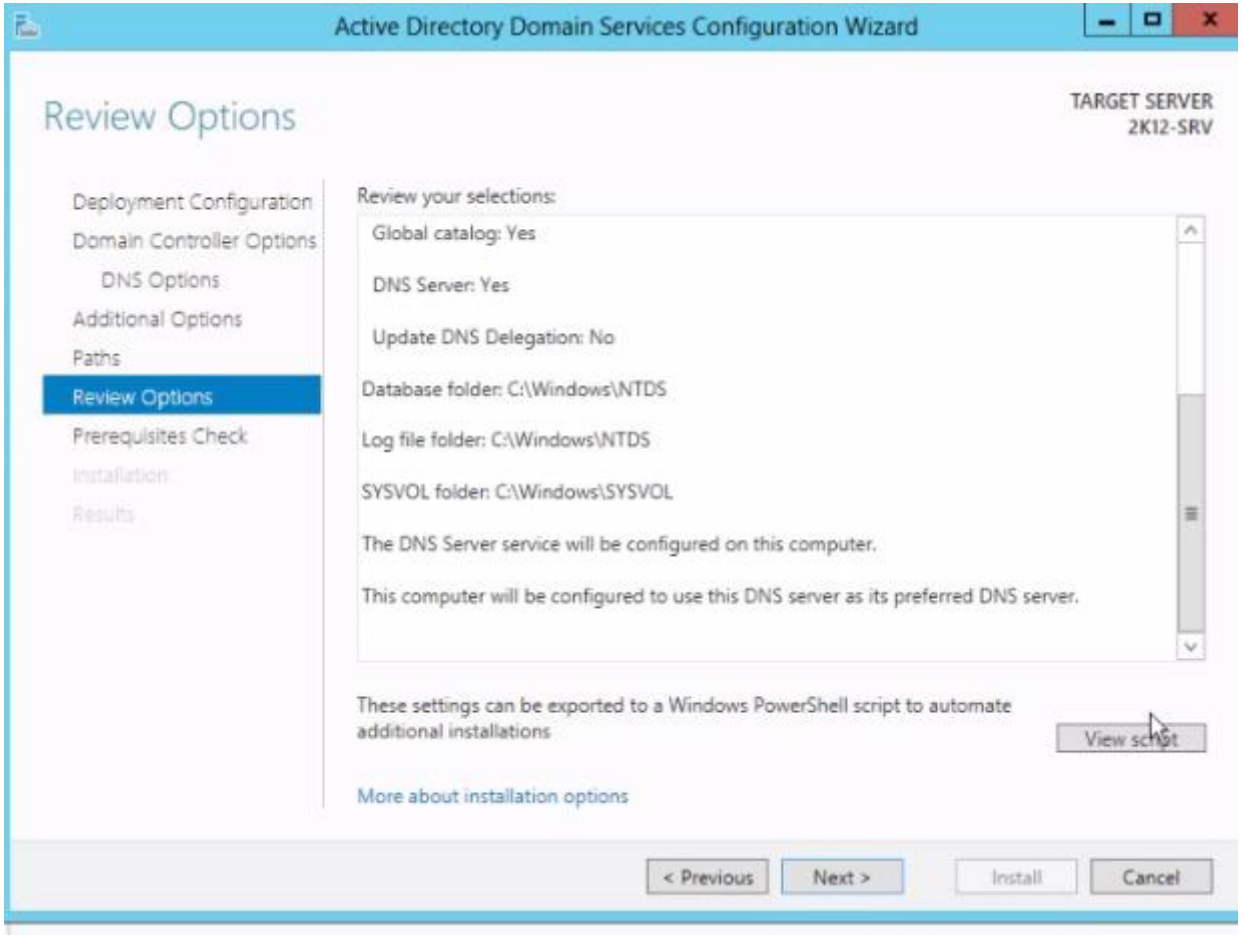

Active Directory Domain Services Configuration Wizard
Domain Controller Options
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Specify domain controller capabilities and site information
Domain Name System (DNS) server
Global Catalog (GC)
Read only domain controller (RODC)
Site name:
Default-First-Site-Name
Type the Directory Services Restore Mode (DSRM) password
Password:
Confirm password:
More about domain controller options
< Previous
Next >
Install
Cancel

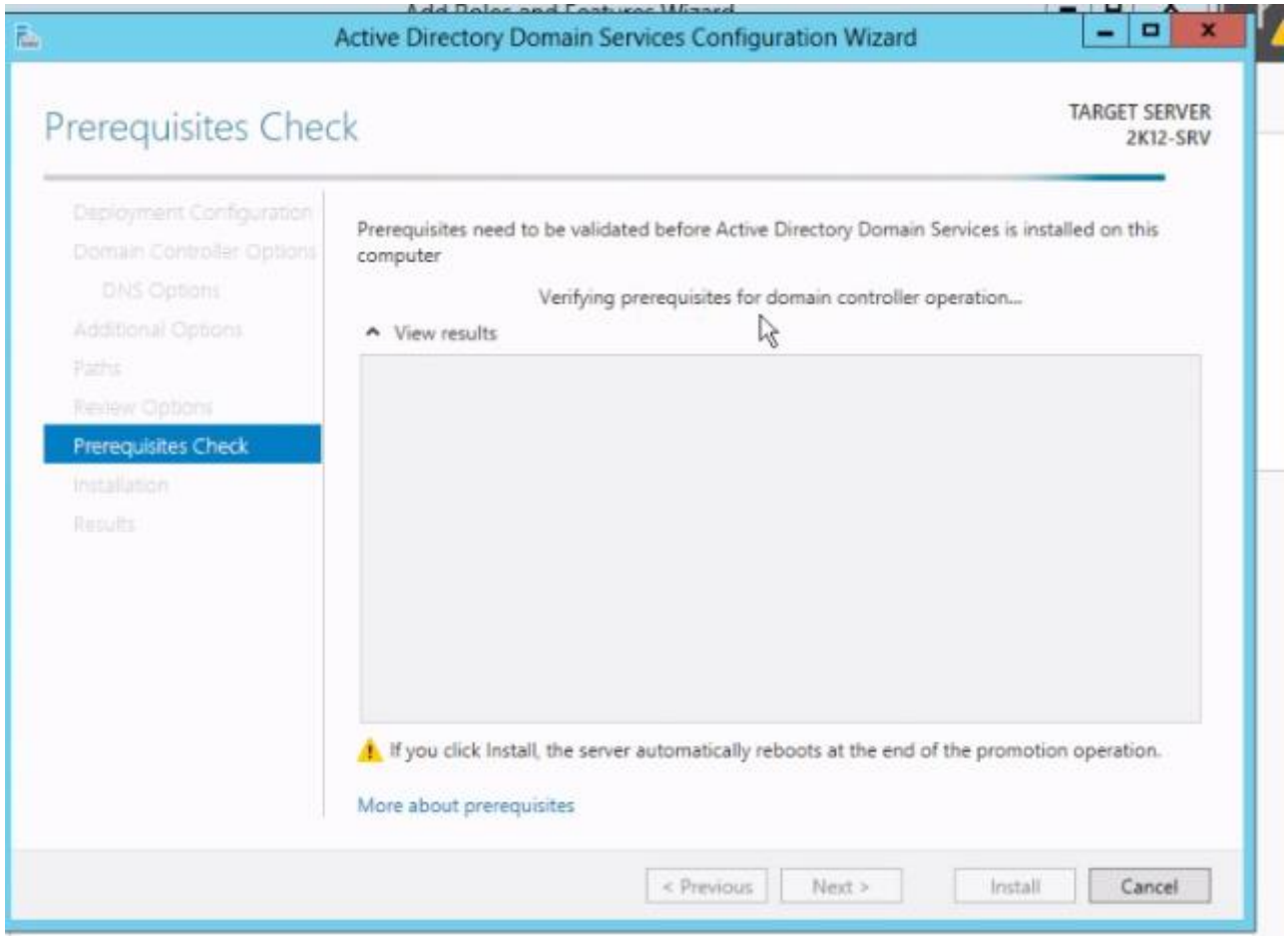

Active Directory Domain Services Configuration Wizard
DNS Options
TARGET SERVER
2K12-SRV
A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found...
Show more
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Specify DNS delegation options
Update DNS delegation
More about DNS delegation
< Previous
Next >
Install
Cancel

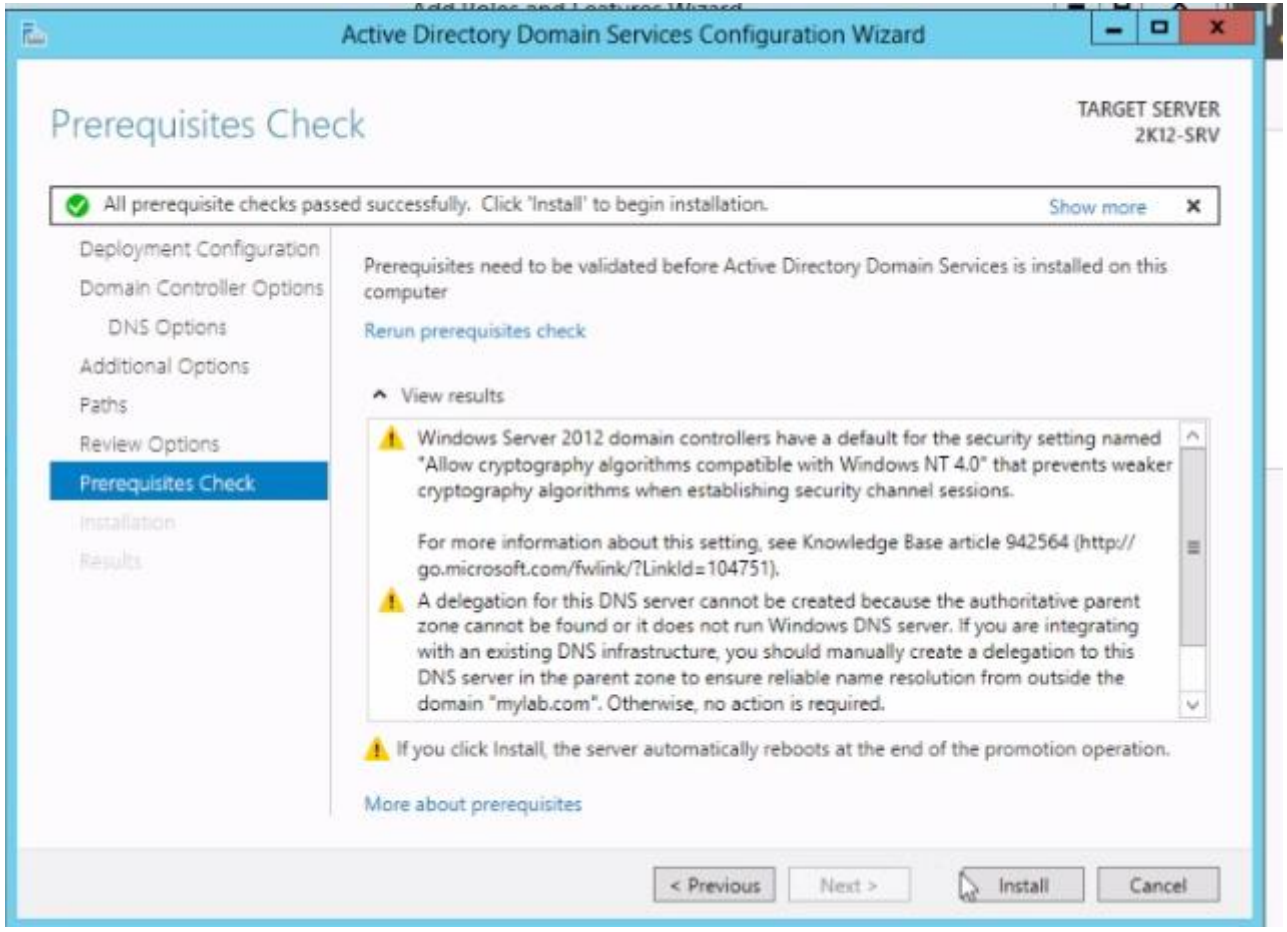

Active Directory Domain Services Configuration Wizard
Additional Options
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Specify Install From Media (IFM) Options
Install from media
Path:
C:\IFM
...
Verify
Specify additional replication options
Replicate from:
Any domain controller
More about additional options
< Previous
Next >
Install
Cancel

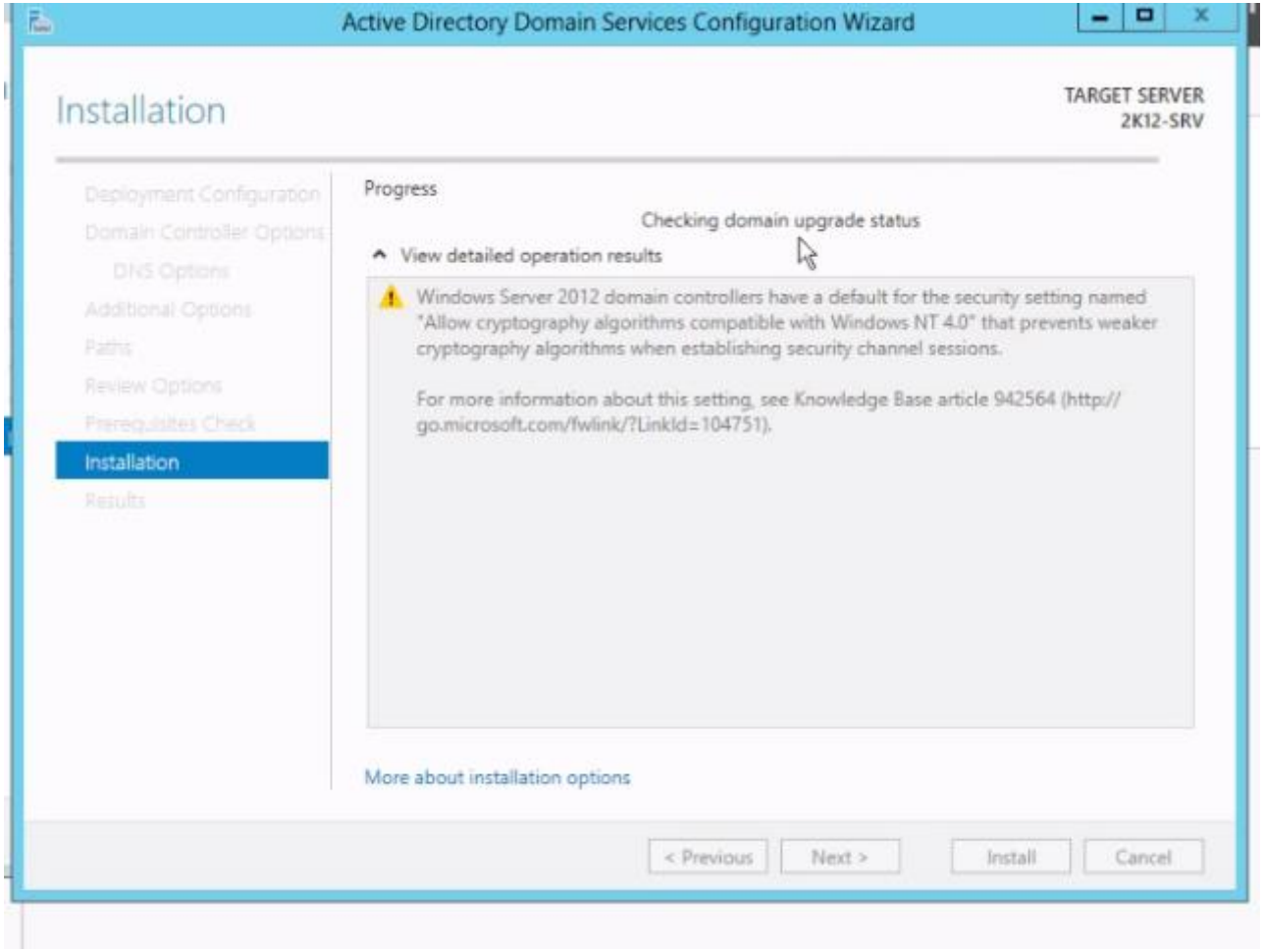

Active Directory Domain Services Configuration Wizard
Additional Options
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Specify Install From Media (IFM) Options
Install from media
Path:
C:\IFM
...
Verify
Specify additional replication options
Replicate from:
2K12-DC.mylab.com
More about additional options
< Previous
Next >
Install
Cancel

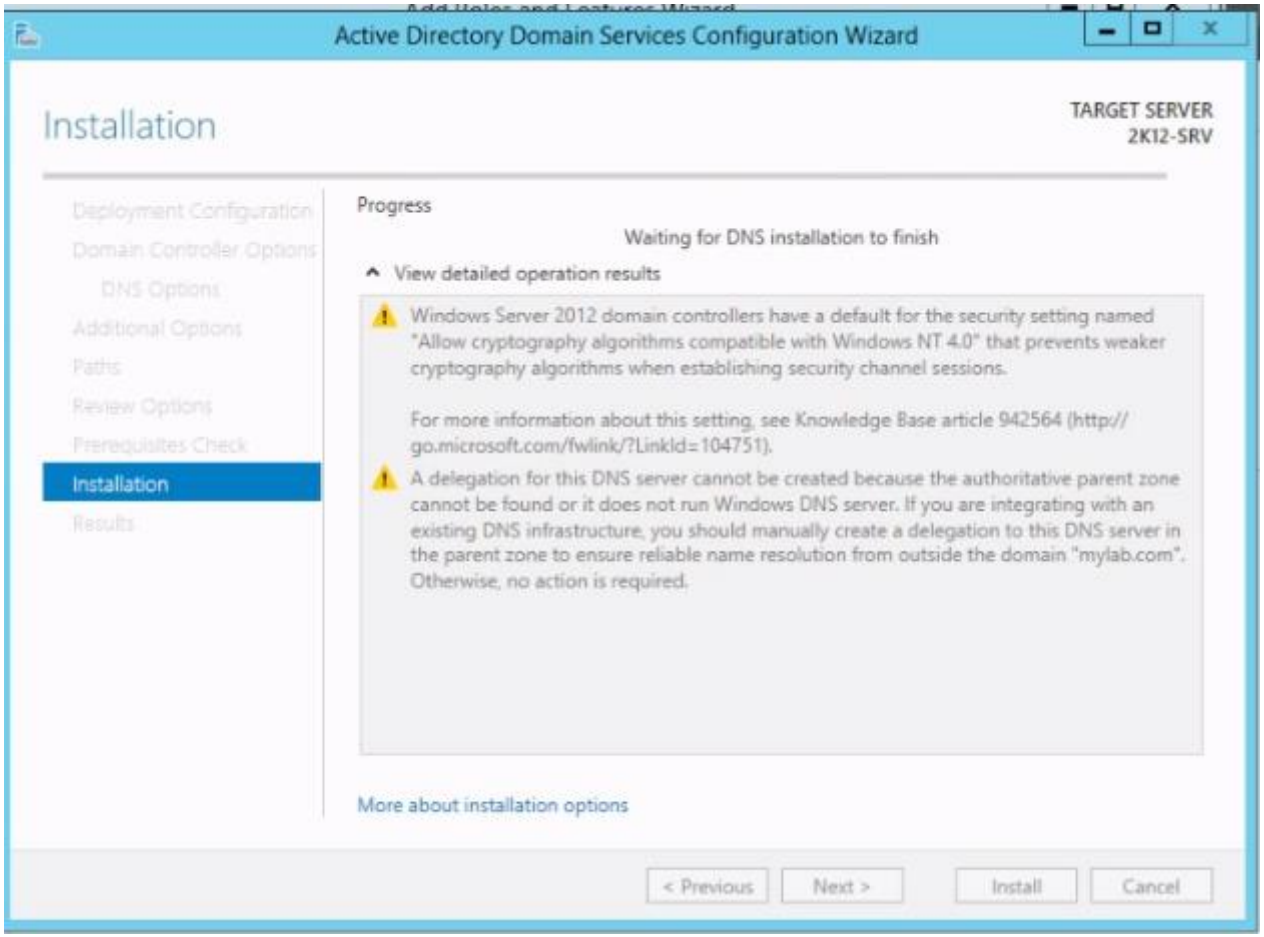

Active Directory Domain Services Configuration Wizard
Paths
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Specify the location of the AD DS database, log files, and SYSVOL
Database folder:
C:\Windows\NTDS
Log files folder:
C:\Windows\NTDS
SYSVOL folder:
C:\Windows\SYSVOL
More about Active Directory paths
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Review Options
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Review your selections:
Global catalog: Yes
DNS Server: Yes
Update DNS Delegation: No
Database folder: C:\Windows\NTDS
Log file folder: C:\Windows\NTDS
SYSVOL folder: C:\Windows\SYSVOL
The DNS Server service will be configured on this computer.
This computer will be configured to use this DNS server as its preferred DNS server.
These settings can be exported to a Windows PowerShell script to automate additional installations
View script
More about installation options
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Prerequisites Check
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Prerequisites need to be validated before Active Directory Domain Services is installed on this computer
Verifying prerequisites for domain controller operation...
View results
If you click Install, the server automatically reboots at the end of the promotion operation.
More about prerequisites
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Prerequisites Check
TARGET SERVER
2K12-SRV
All prerequisite checks passed successfully. Click 'Install' to begin installation.
Show more
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Prerequisites need to be validated before Active Directory Domain Services is installed on this computer
Rerun prerequisites check
View results
Windows Server 2012 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
For more information about this setting, see Knowledge Base article 942564 (http://go.microsoft.com/fwlink/?LinkId=104751).
A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found or it does not run Windows DNS server. If you are integrating with an existing DNS infrastructure, you should manually create a delegation to this DNS server in the parent zone to ensure reliable name resolution from outside the domain "mylab.com". Otherwise, no action is required.
If you click Install, the server automatically reboots at the end of the promotion operation.
More about prerequisites
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Installation
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Progress
Checking domain upgrade status
View detailed operation results
Windows Server 2012 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
For more information about this setting, see Knowledge Base article 942564 (http://go.microsoft.com/fwlink/?LinkId=104751).
More about installation options
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Installation
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Progress
Waiting for DNS installation to finish
View detailed operation results
Windows Server 2012 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
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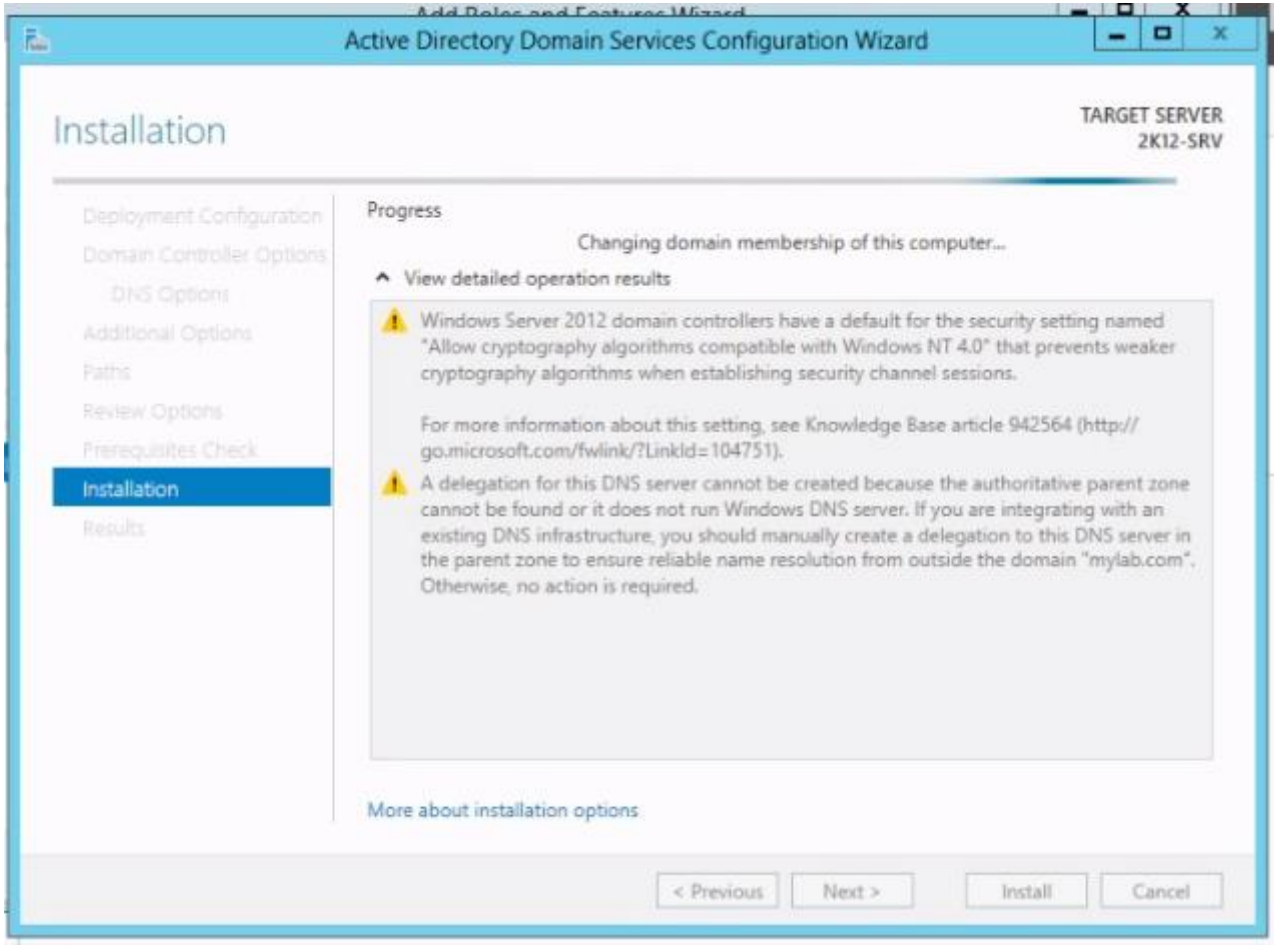
More about installation options
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Installation
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Progress
Changing domain membership of this computer...
View detailed operation results
Windows Server 2012 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
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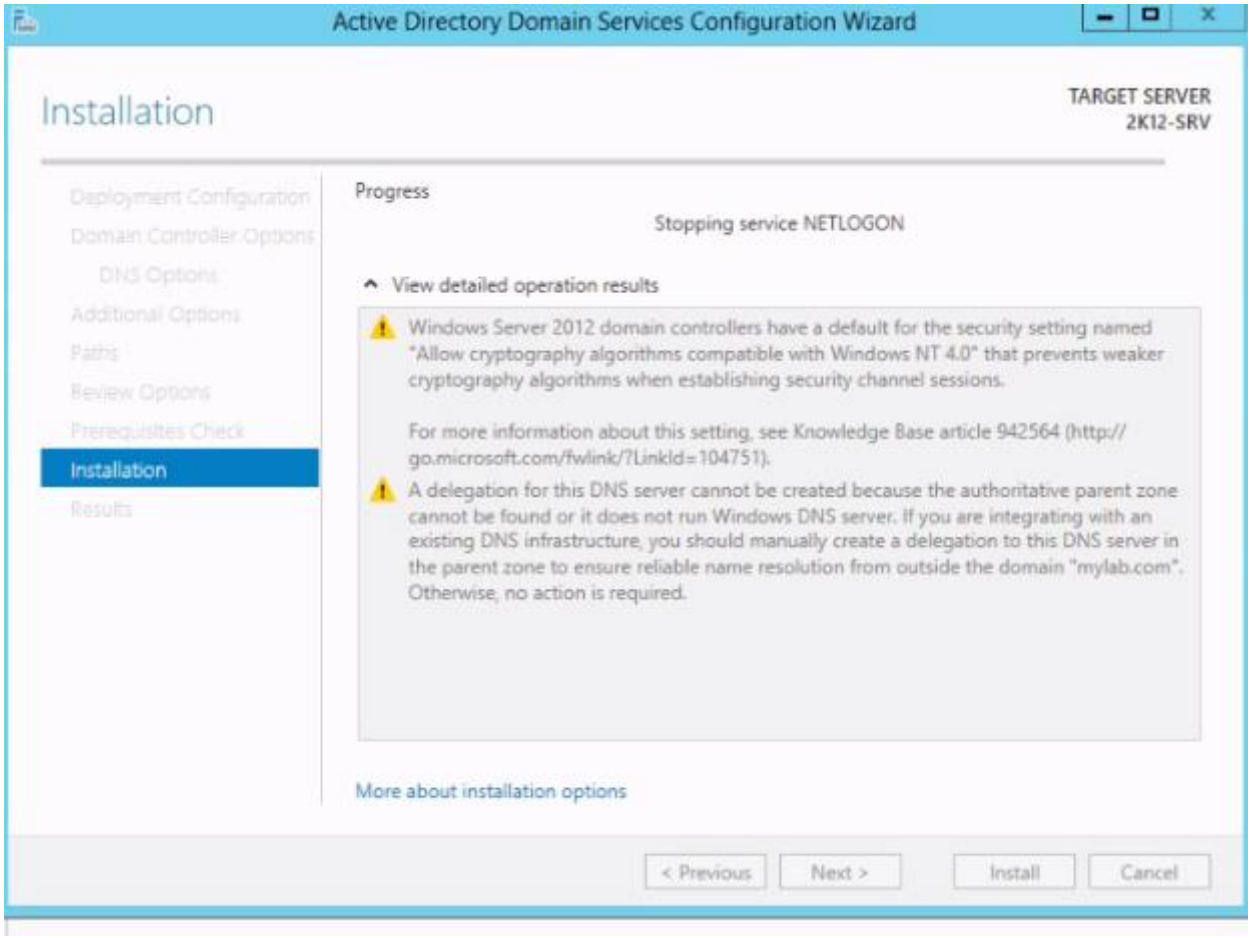
More about installation options
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Installation
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Progress
Stopping service NETLOGON
View detailed operation results
Windows Server 2012 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
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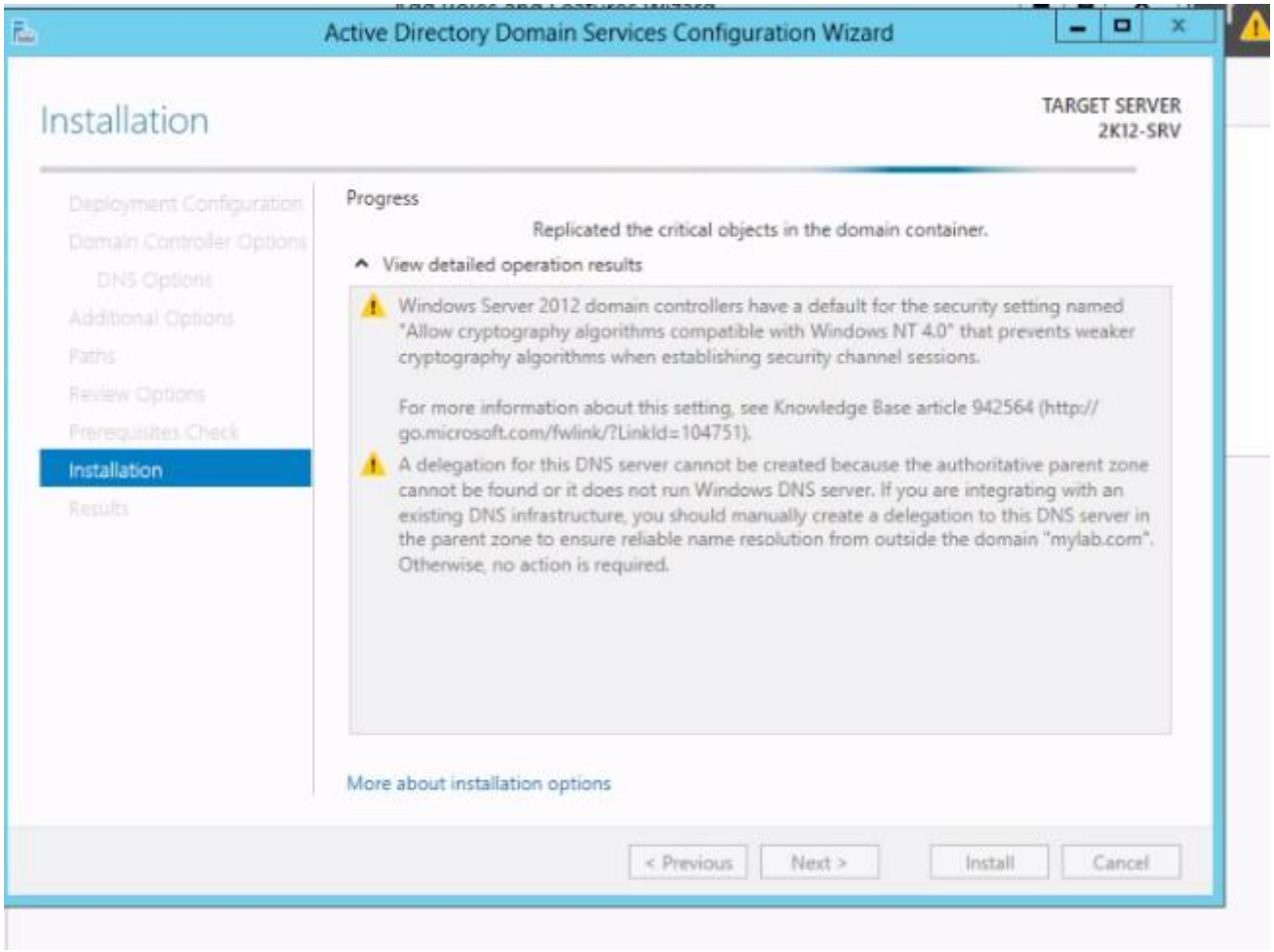
More about installation options
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Installation
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Progress
Replicated the critical objects in the domain container.
View detailed operation results
Windows Server 2012 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
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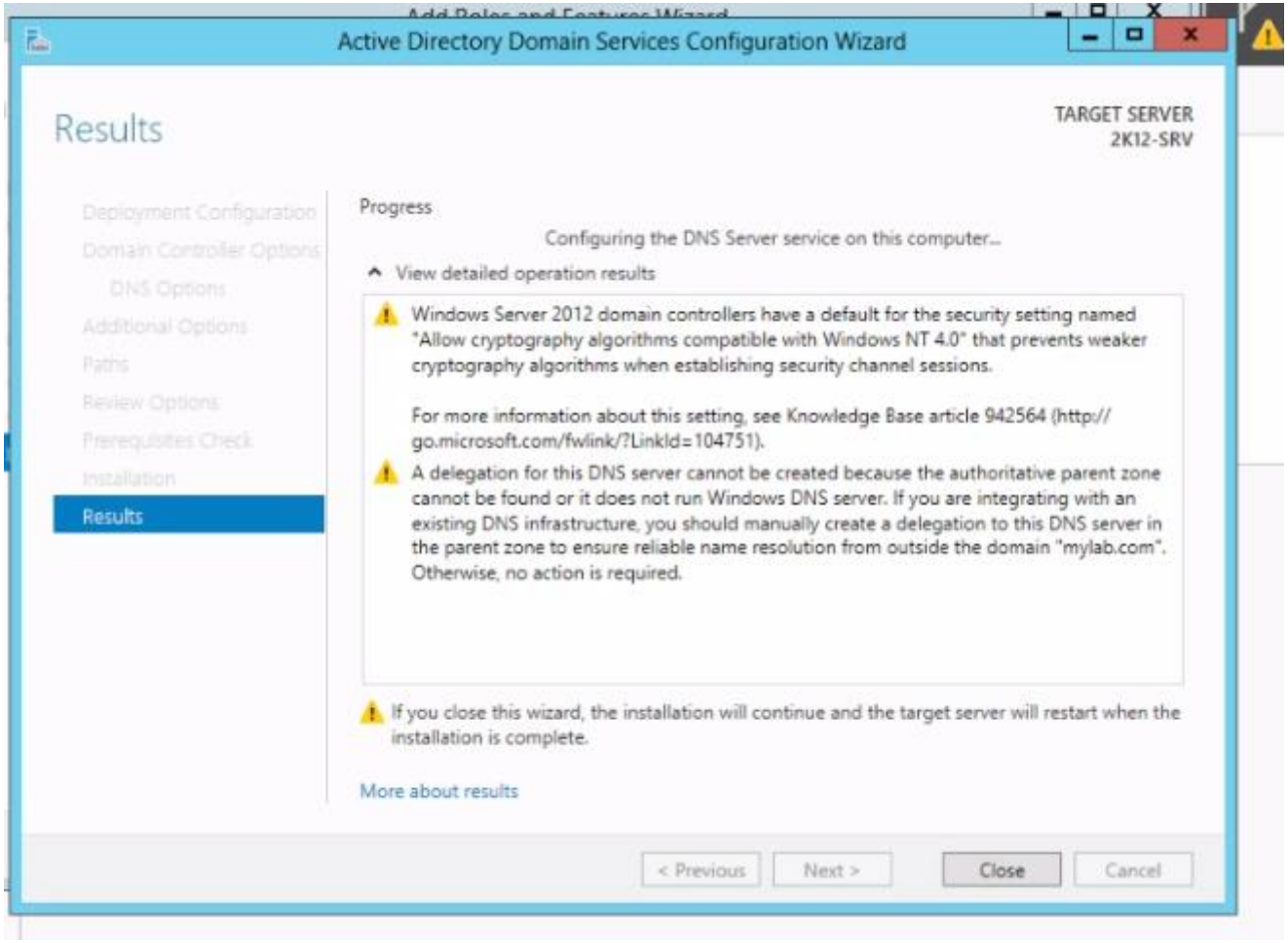
More about installation options
< Previous
Next >
Install
Cancel


Active Directory Domain Services Configuration Wizard
Results
TARGET SERVER
2K12-SRV
Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results
Progress
Configuring the DNS Server service on this computer...
View detailed operation results
Windows Server 2012 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.
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If you close this wizard, the installation will continue and the target server will restart when the installation is complete.
More about results
< Previous
Next >
Close
Cancel