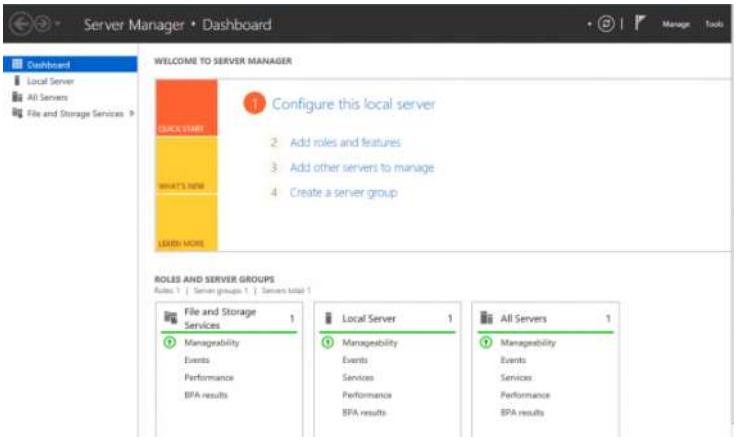
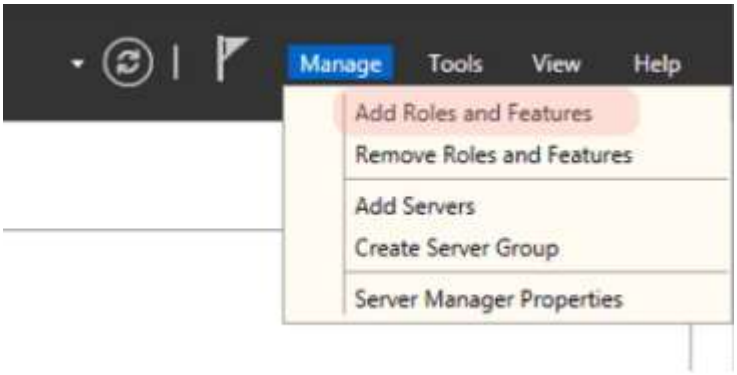
Window Server 2012 R2

1. Adding the Windows 2012R2 Server Domain Services Role

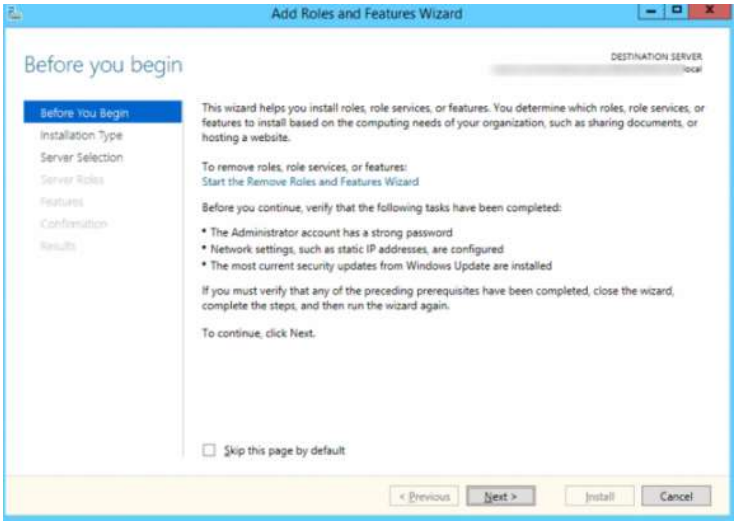
- Execute Server Manager

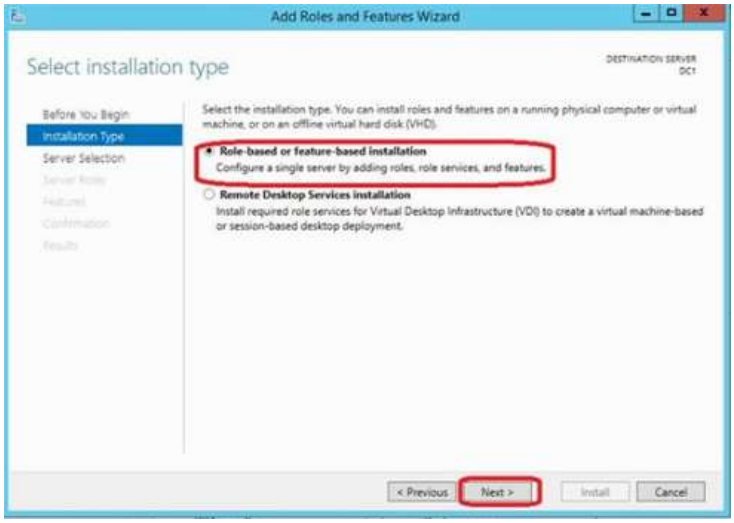


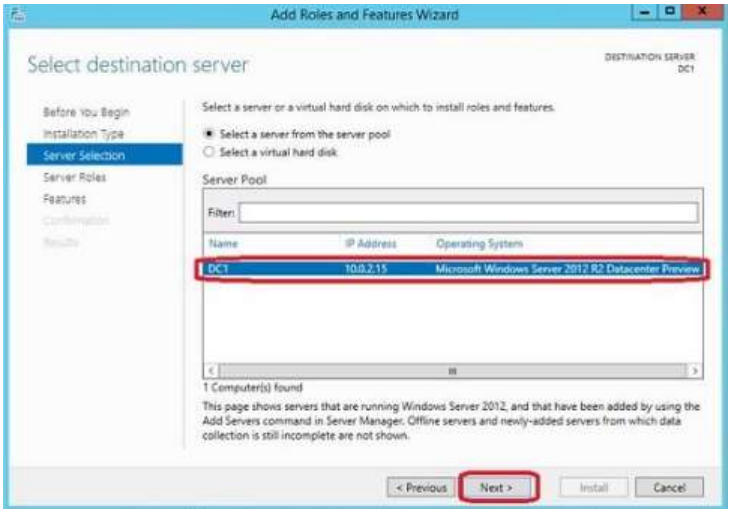

- click on Manage and select Add Roles and Features Wizard.



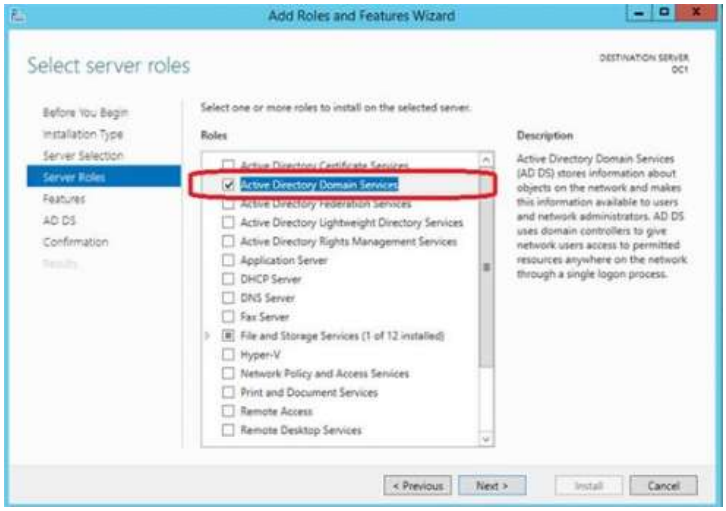

- Once the Wizard has started up, select Next with default settings



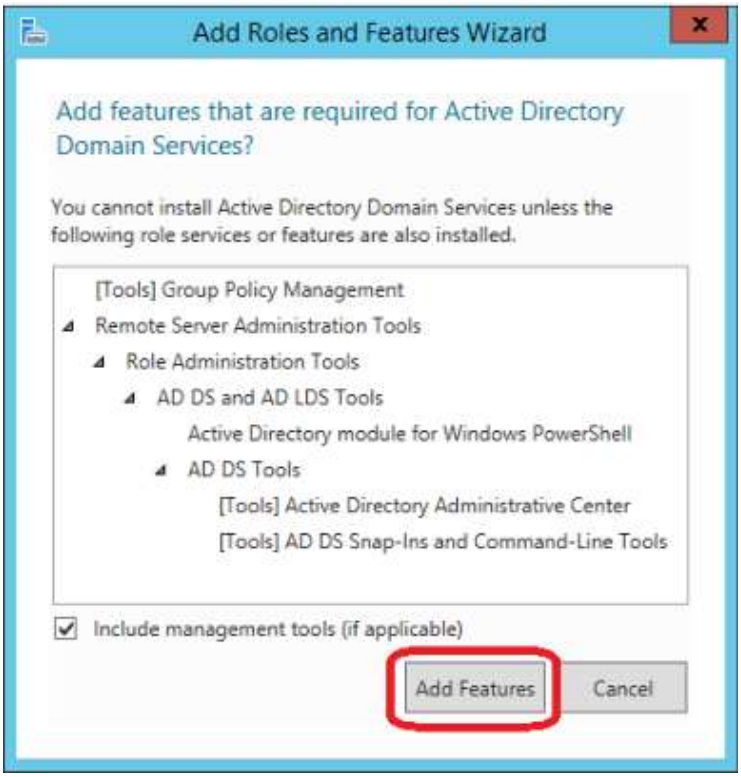


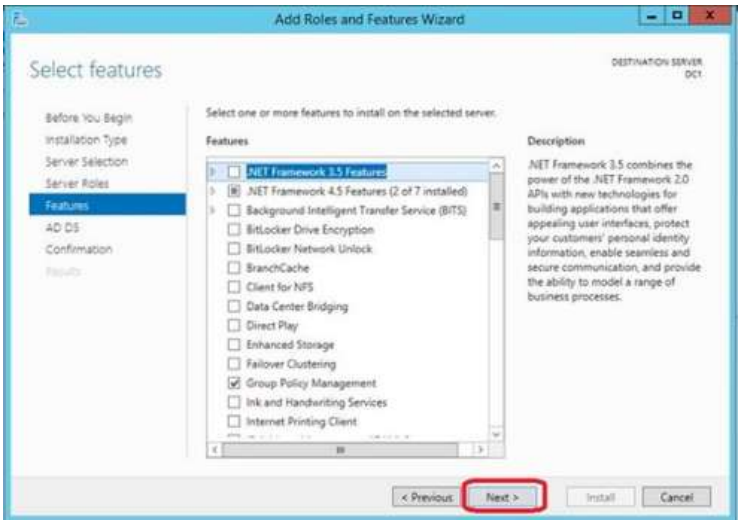



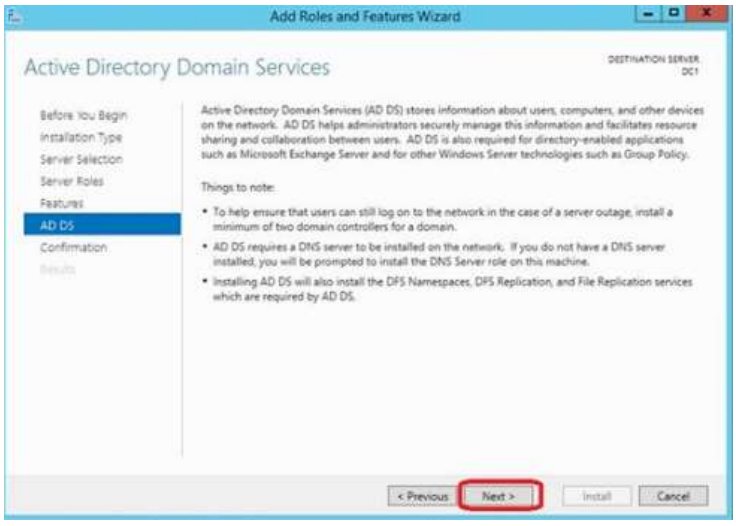

- On the Server Roles page, select Active Directory Domain Services , DNS Server, and DHCP Server

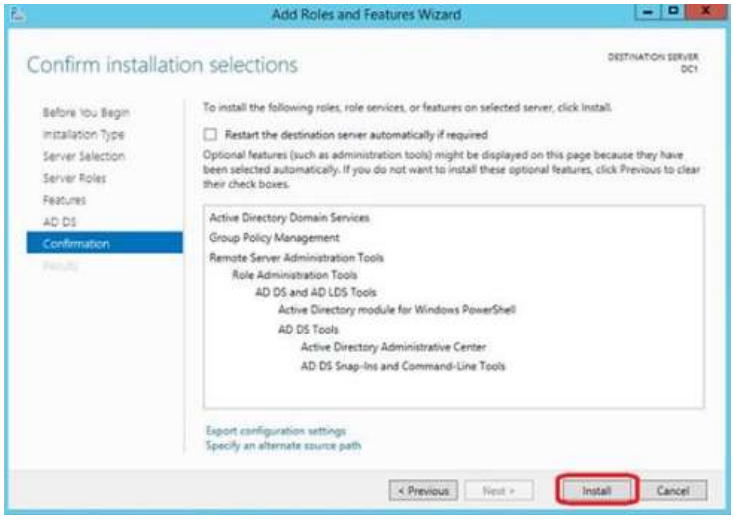


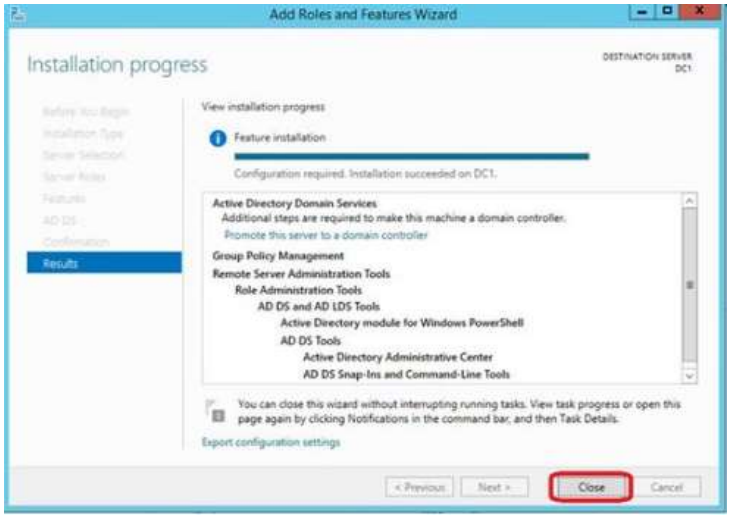

- Click Add Features.


Add Roles and Features Wizard
Add features that are required for Active Directory Domain Services?
You cannot install Active Directory Domain Services unless the following role services or features are also installed.
[Tools] 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
[Tools] Active Directory Administrative Center
[Tools] AD DS Snap-Ins and Command-Line Tools
Include management tools (if applicable)
Add Features
Cancel

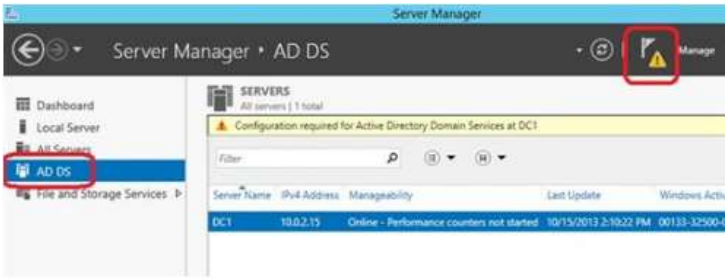

Add Roles and Features Wizard
Select features
DESTINATION SERVER
DC1
Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD DS
Confirmation
Results
Select one or more features to install on the selected server.
Features
Description
.NET Framework 3.5 Features
.NET Framework 4.5 Features (2 of 7 installed)
Background Intelligent Transfer Service (BITS)
BitLocker Drive Encryption
BitLocker Network Unlock
BranchCache
Client for NFS
Data Center Bridging
Direct Play
Enhanced Storage
Failover Clustering
Group Policy Management
Ink and Handwriting Services
Internet Printing Client
.NET Framework 3.5 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.
< Previous
Next >
Install
Cancel


Add Roles and Features Wizard
Active Directory Domain Services
DESTINATION SERVER
DC1
Before You Begin
Installation Type
Server Selection
Server Roles
Features
AD DS
Confirmation
Results
Active Directory Domain Services (AD DS) stores information about users, computers, and other devices on the network. AD DS helps administrators securely manage this information and facilitates resource sharing and collaboration between users. AD DS is also required for directory-enabled applications such as Microsoft Exchange Server and for other Windows Server technologies such as Group Policy.
Things to note:
To help ensure that users can still log on to the network in the case of a server outage, install a minimum of two domain controllers for a domain.
AD DS requires a DNS server to be installed on the network. If you do not have a DNS server installed, you will be prompted to install the DNS Server role on this machine.
Installing AD DS will also install the DFS Namespaces, DFS Replication, and File Replication services which are required by AD DS.
< Previous
Next >
Install
Cancel

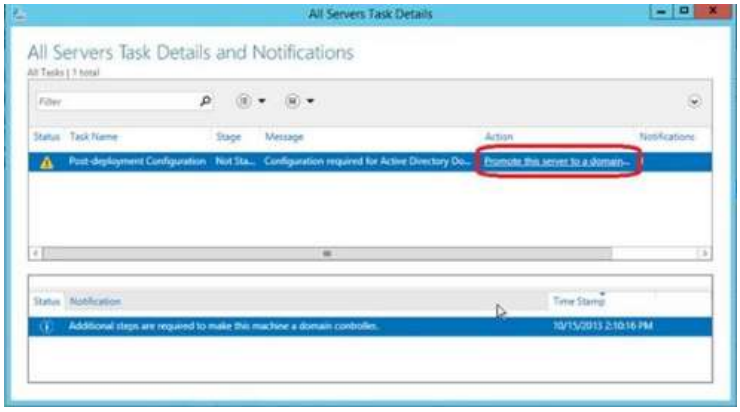


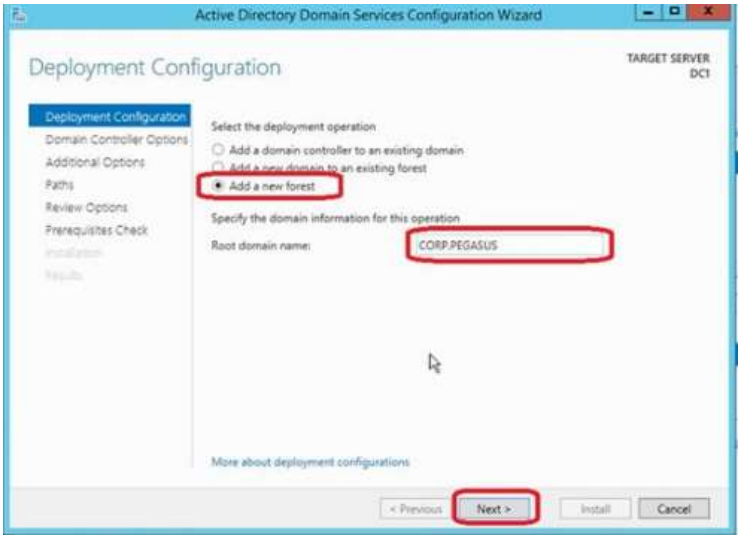

- In the server manager click the alert in the upper right.



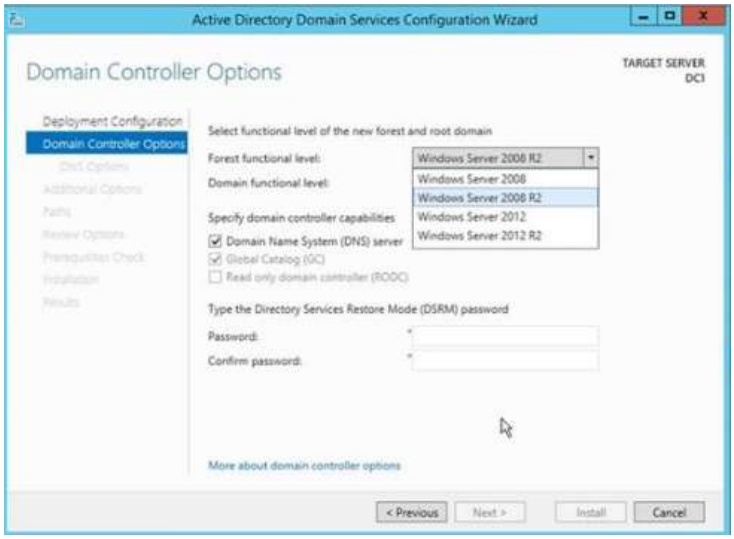

- In that window click Promote this server to a domain controller



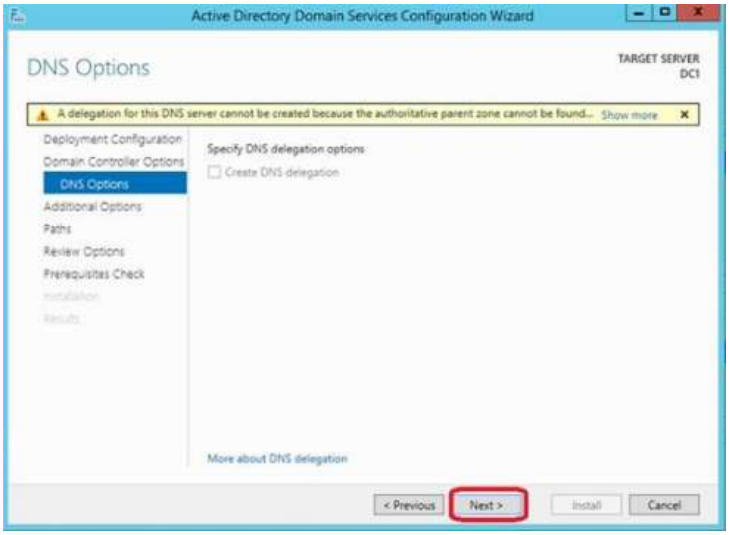

- In this example I select to create a new forest. I choose a domain name too.



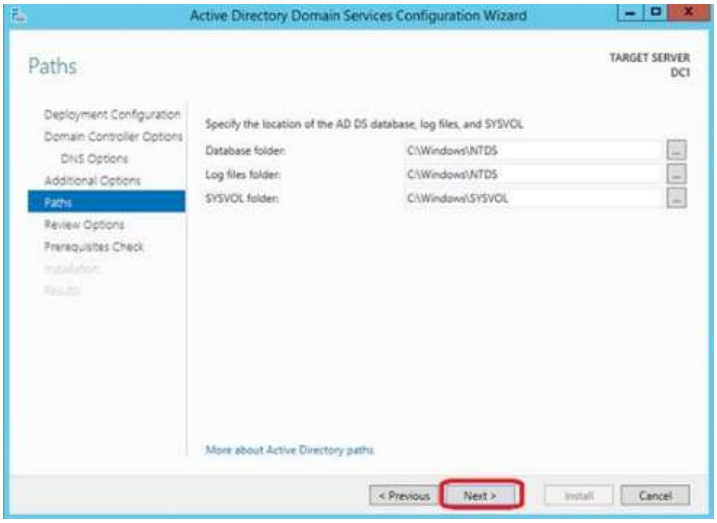

- Select the Functional level, enter the DSRM password and click Next.

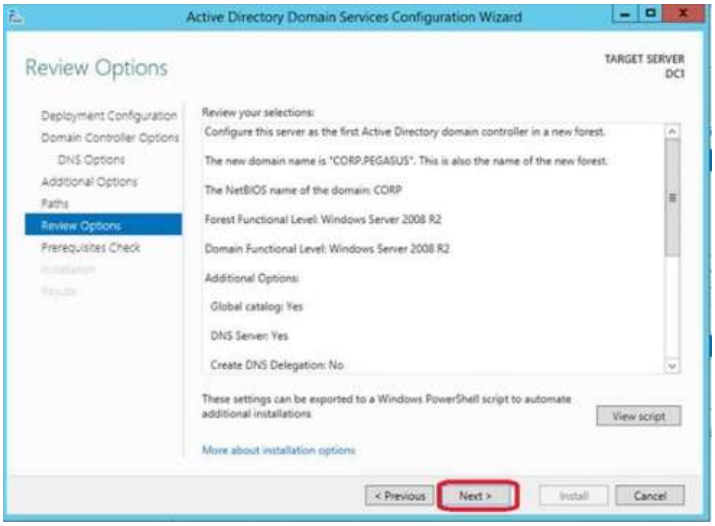



- Click Next ! (and ignore that error, it's a normal error)

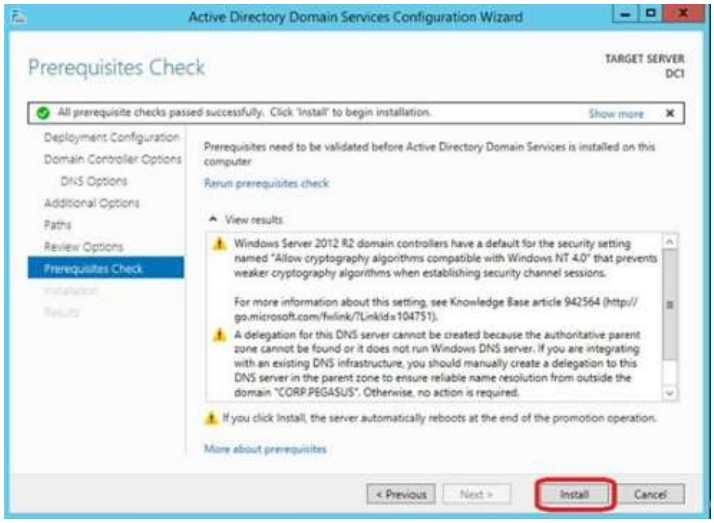


- Use the default value and click Next.






- Now click Install !




- After a reboot we can finally login with our domain credential!