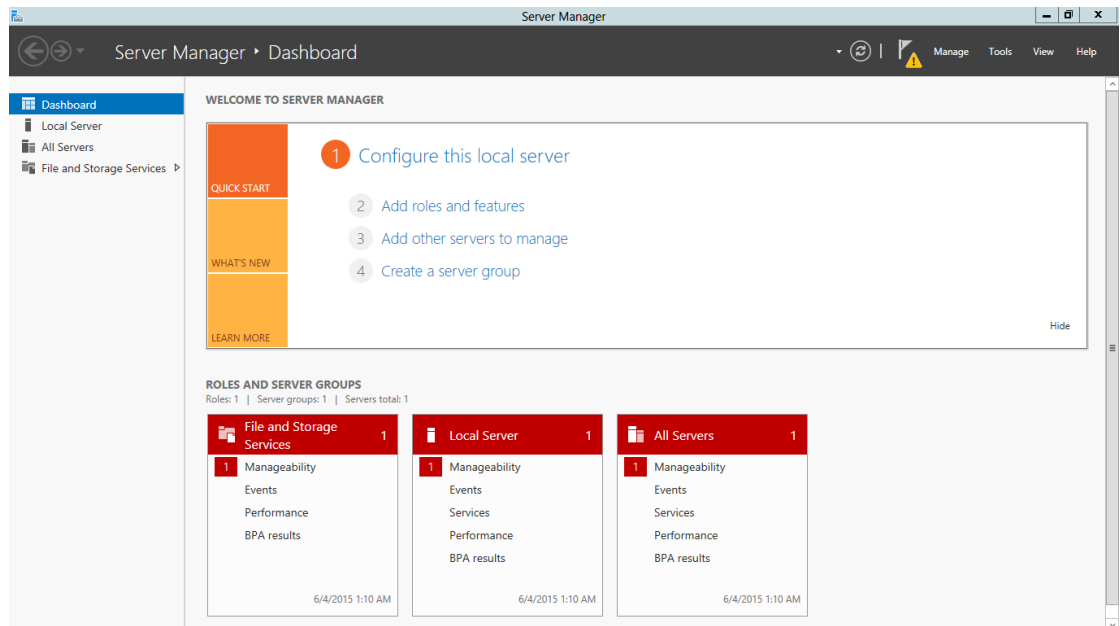


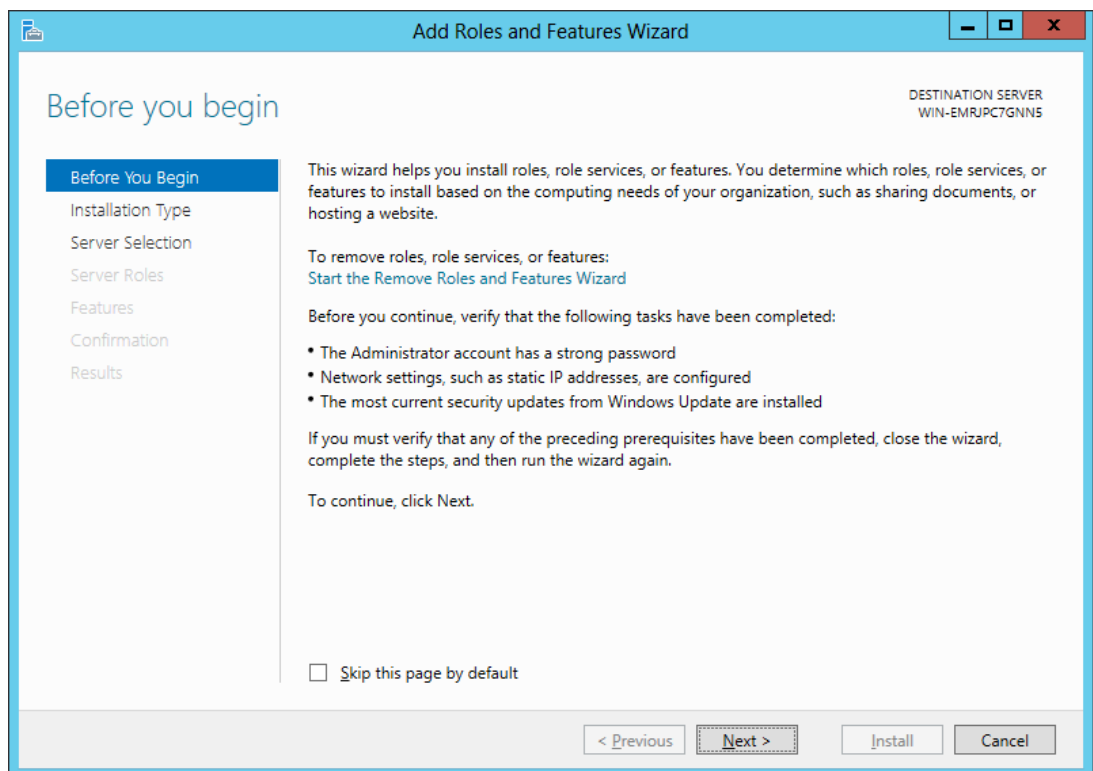
This is the **Dashboard** view of **Server Manager**

Now click on **Add roles and features**

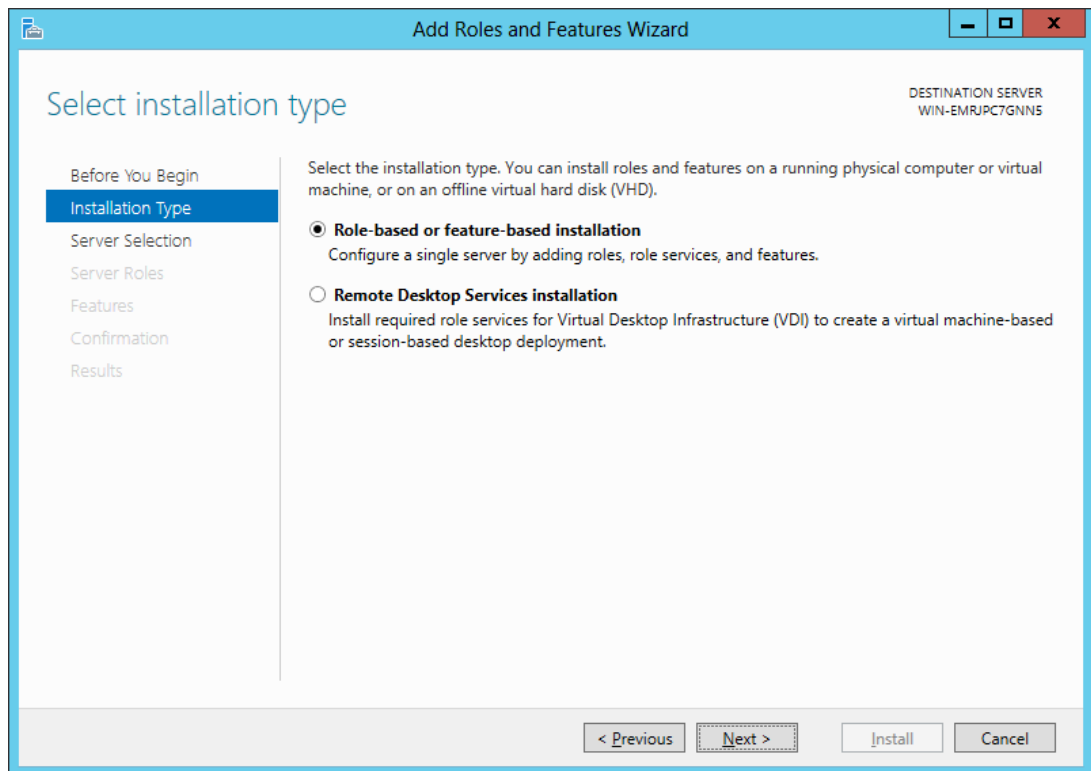


Add Roles and Features wizard opens

Click **Next** to begin

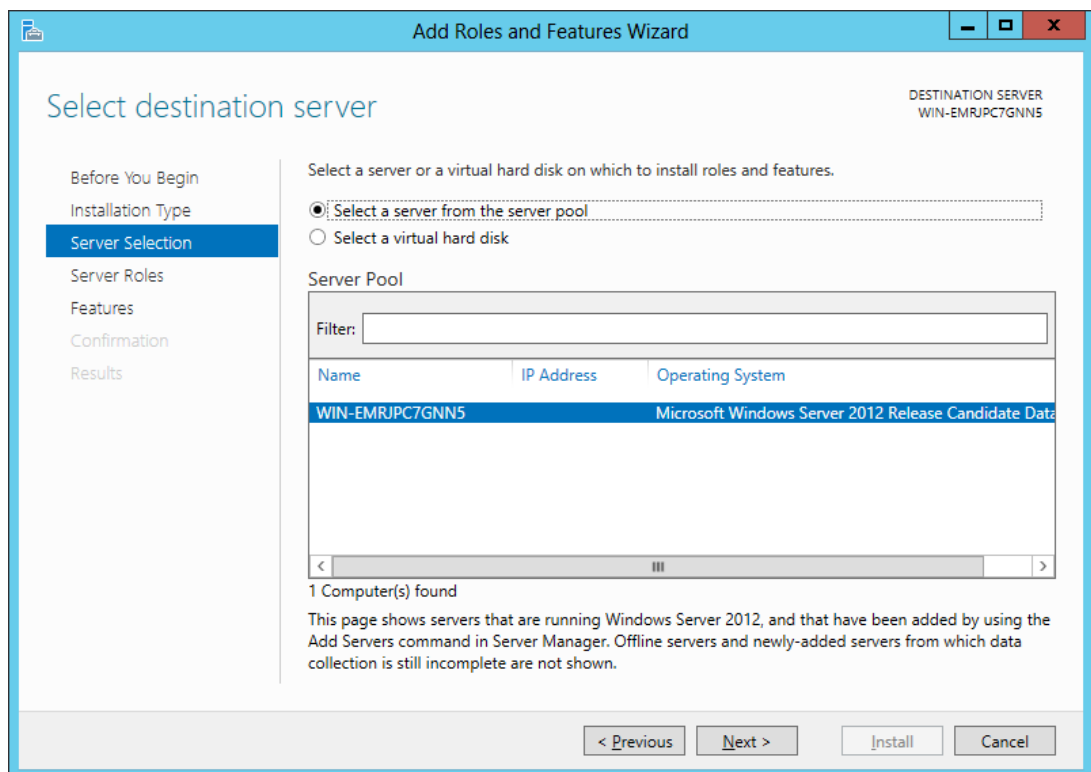


Select **Role-based or feature based installation** and click **Next**



The screenshot shows the 'Add Roles and Features Wizard' window. The title bar says 'Add Roles and Features Wizard'. The main heading is 'Select installation type'. On the right, it says 'DESTINATION SERVER WIN-EMRIPC7GNN5'. On the left, there is a navigation pane with the following items: 'Before You Begin', 'Installation Type' (highlighted), 'Server Selection', 'Server Roles', 'Features', 'Confirmation', and 'Results'. The main content area has the text: '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)'. There are two radio button options:
1. **Role-based or feature-based installation** (selected): 'Configure a single server by adding roles, role services, and features.'
2. **Remote Desktop Services installation**: 'Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.'
At the bottom, there are four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'.

Check the **Select a server from the pool** and select your **server** and click **Next**

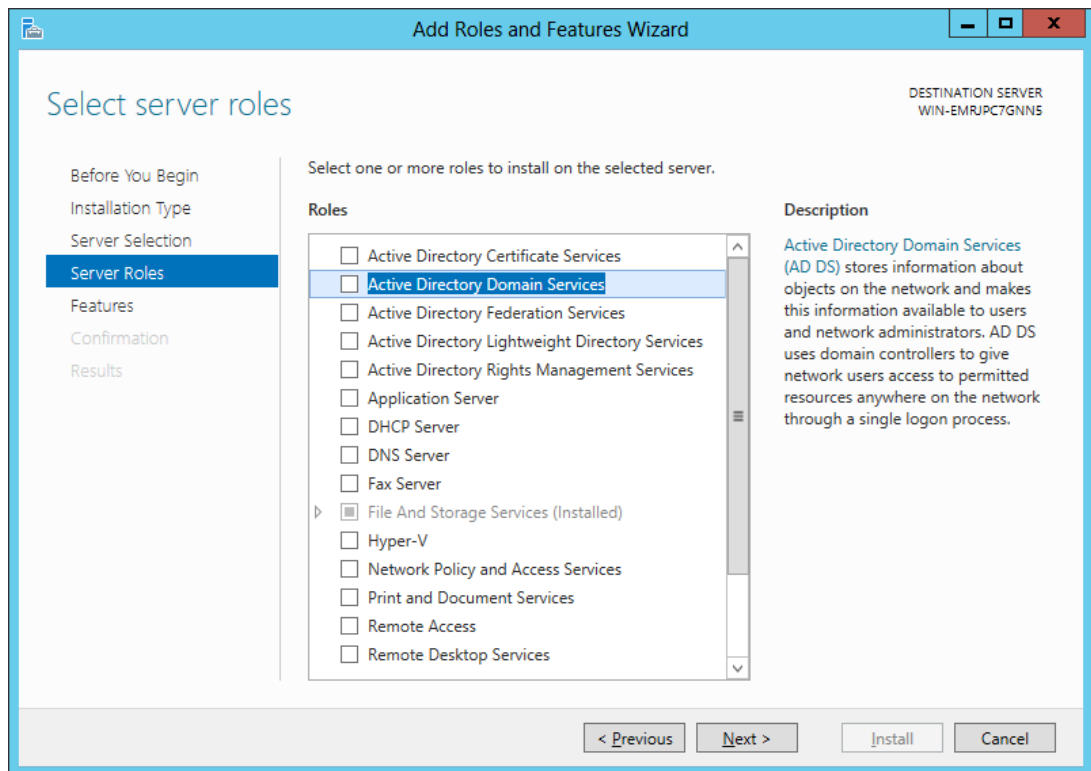


The screenshot shows the 'Add Roles and Features Wizard' window. The title bar says 'Add Roles and Features Wizard'. The main heading is 'Select destination server'. On the right, it says 'DESTINATION SERVER WIN-EMRIPC7GNN5'. On the left, the navigation pane has 'Server Selection' highlighted. The main content area has the text: 'Select a server or a virtual hard disk on which to install roles and features.' There are two radio button options:
1. **Select a server from the server pool** (selected)
2. **Select a virtual hard disk**
Below the options is a section titled 'Server Pool'. It contains a 'Filter:' text box. Below that is a table with the following data:

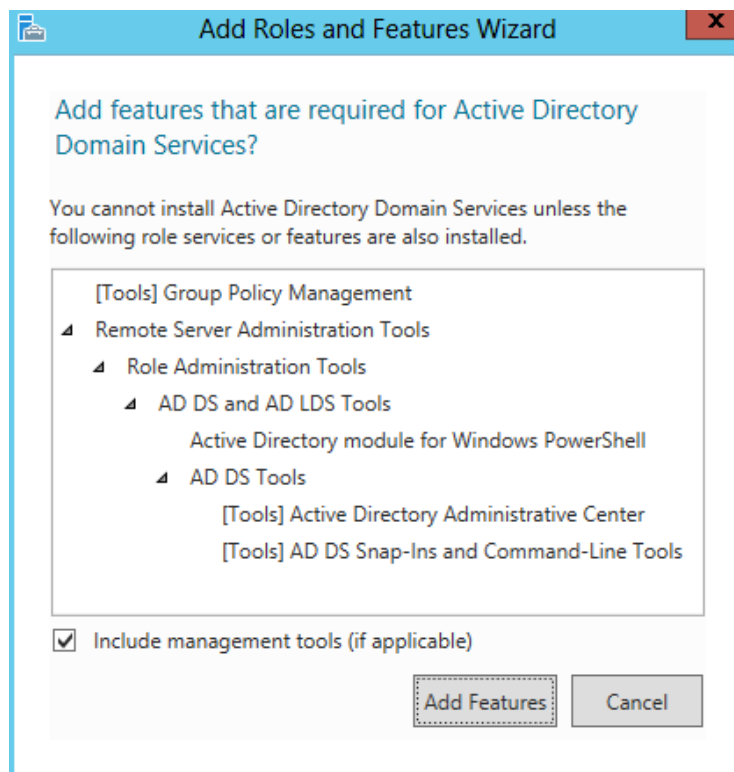
Name	IP Address	Operating System
WIN-EMRIPC7GNN5		Microsoft Windows Server 2012 Release Candidate Data

Below the table is a scrollbar and the text '1 Computer(s) found'. At the bottom, there is a note: '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.'
At the bottom of the window, there are four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'.

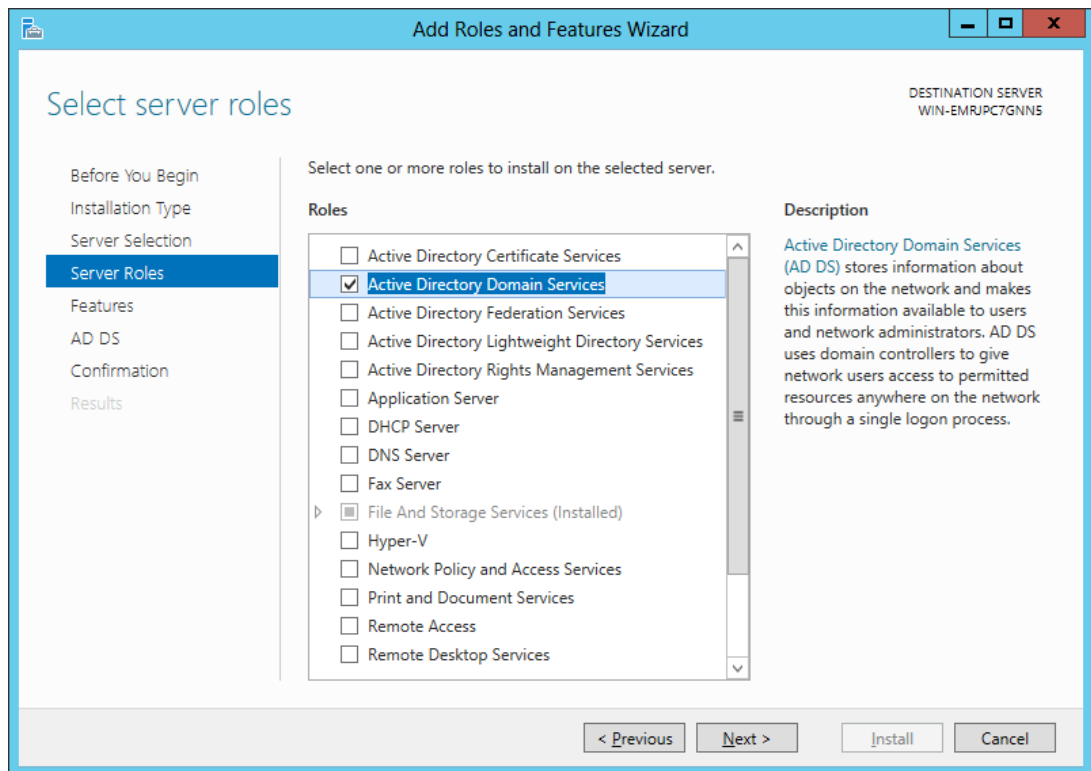
Check the Active Directory Domain Services under the Server Roles



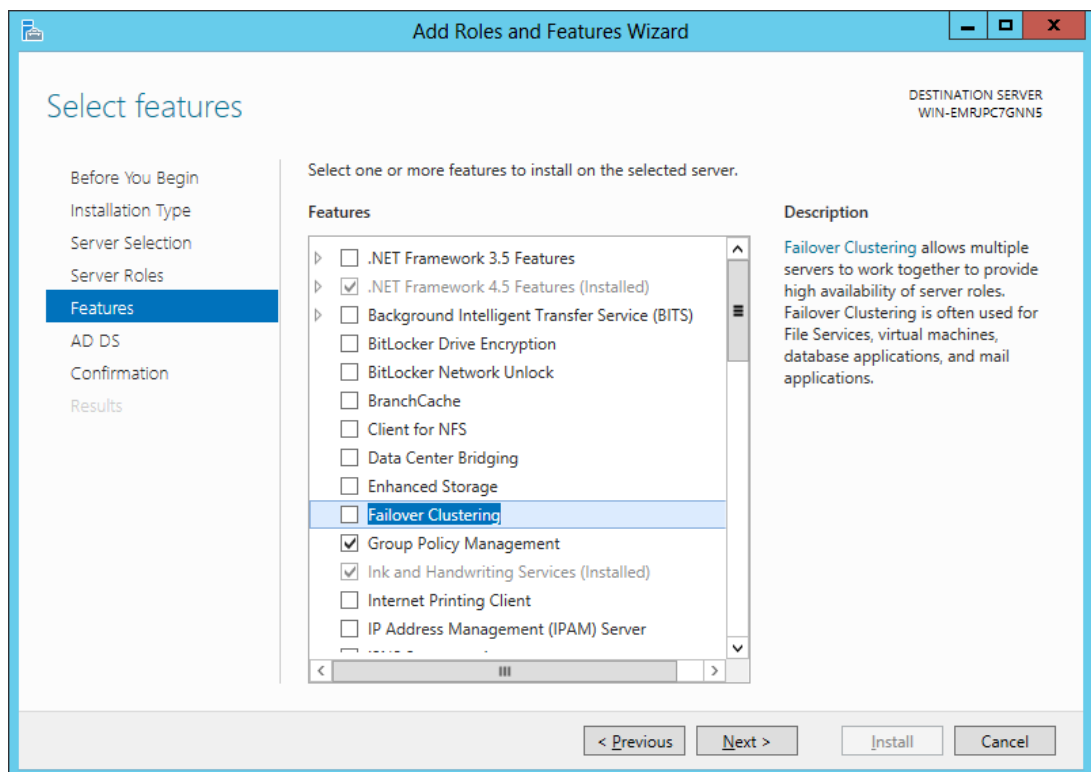
Click on Add Features



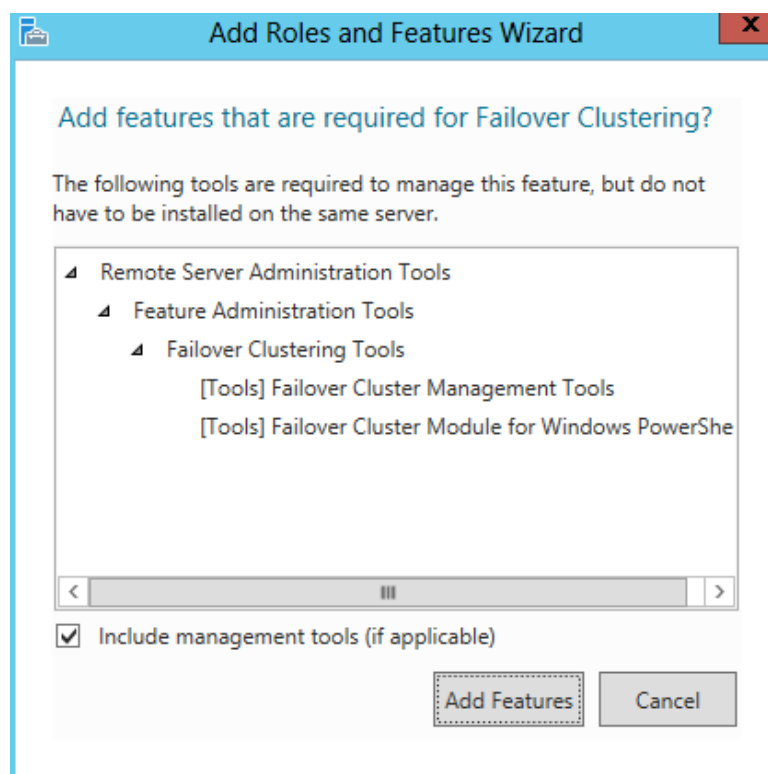
Click **Next** to continue



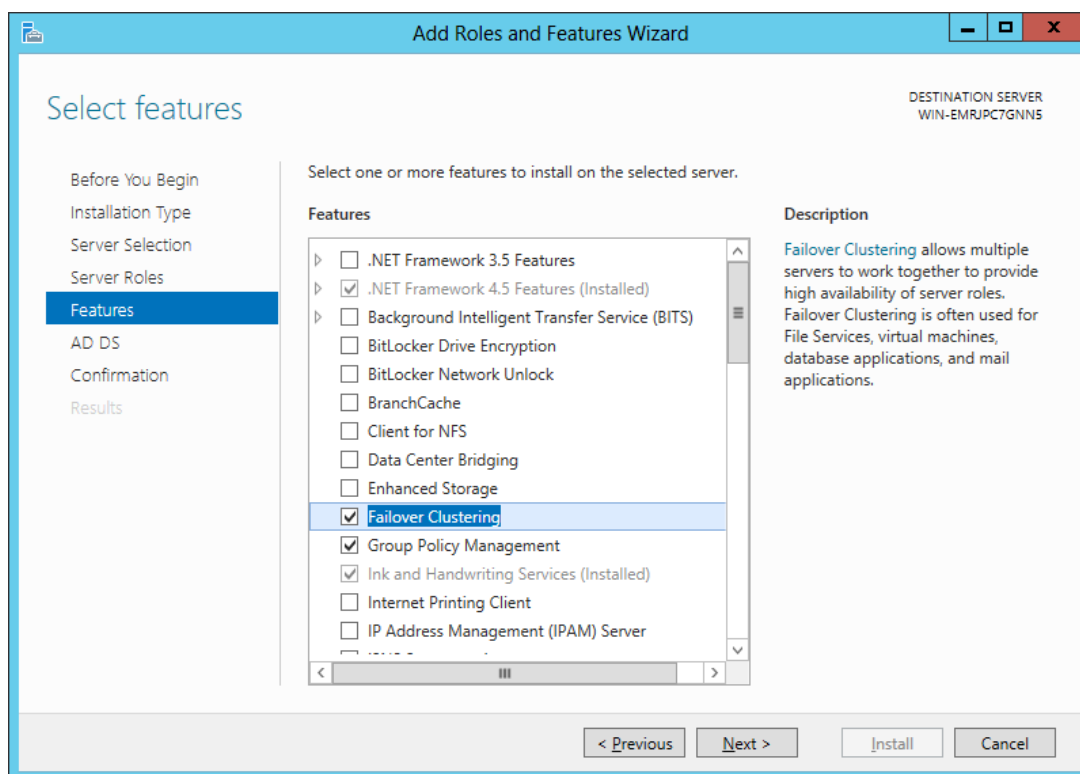
Check the **Failover Clustering** under the **Features** list



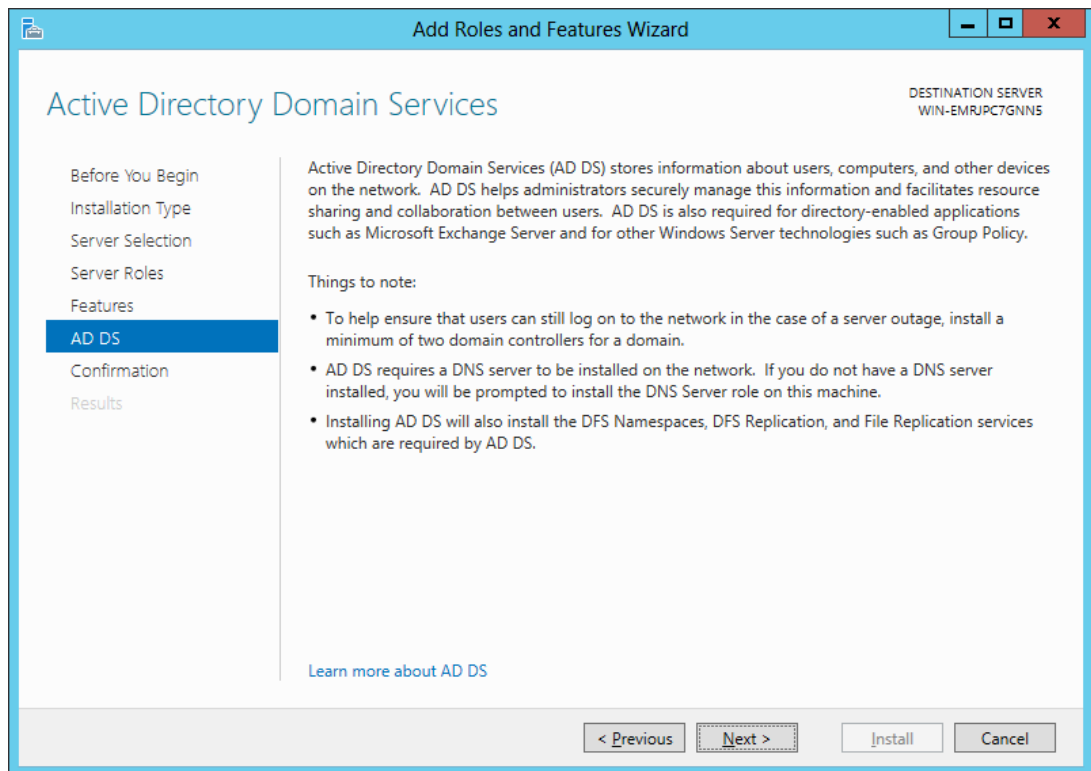
Click on **Add Features**



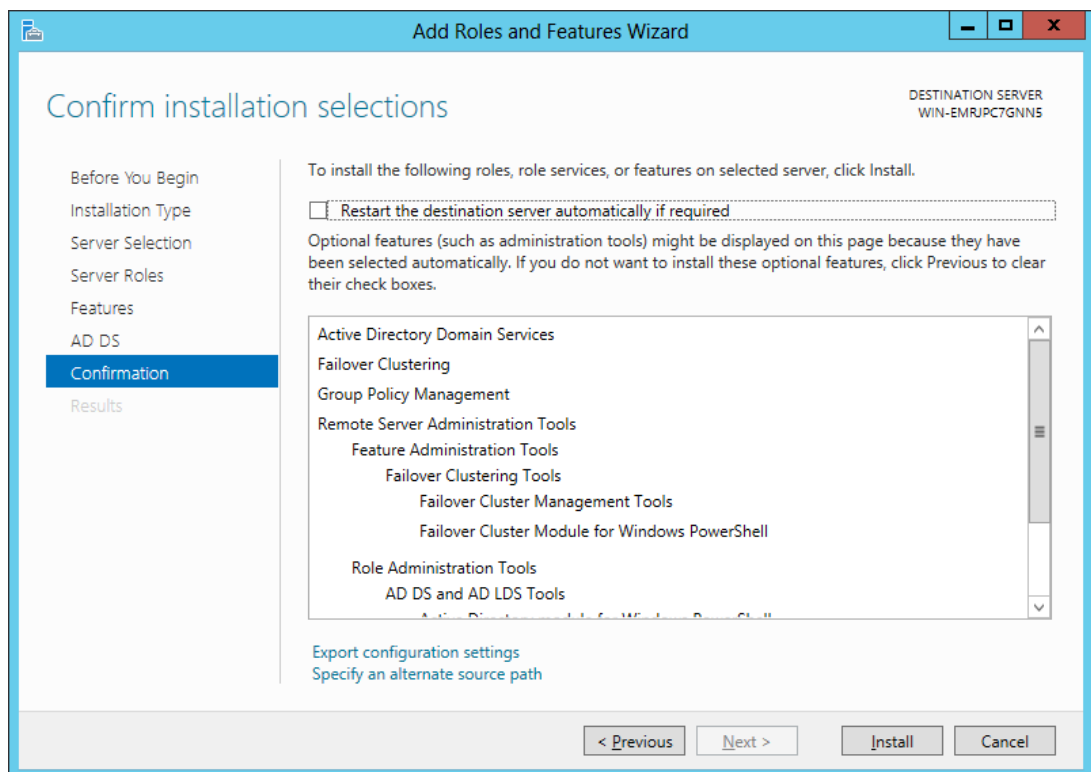
Click **Next** to continue



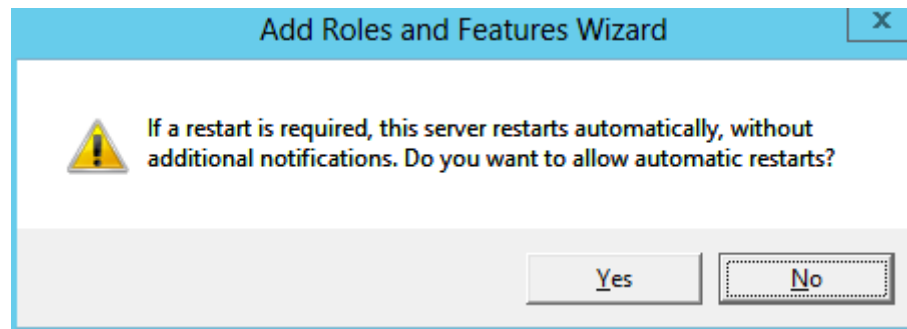
Have a look on the **AD DS** and click **Next** to continue



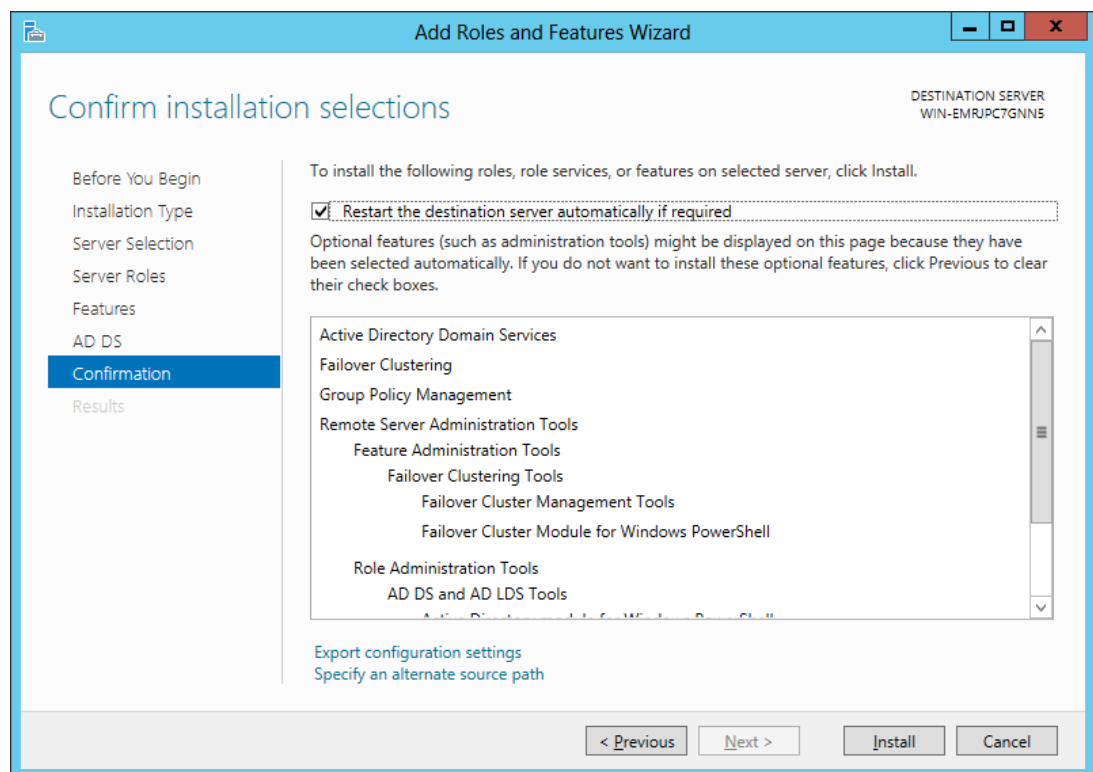
Check the **Restart the destination server automatically**



Click **Yes** to restart automatically

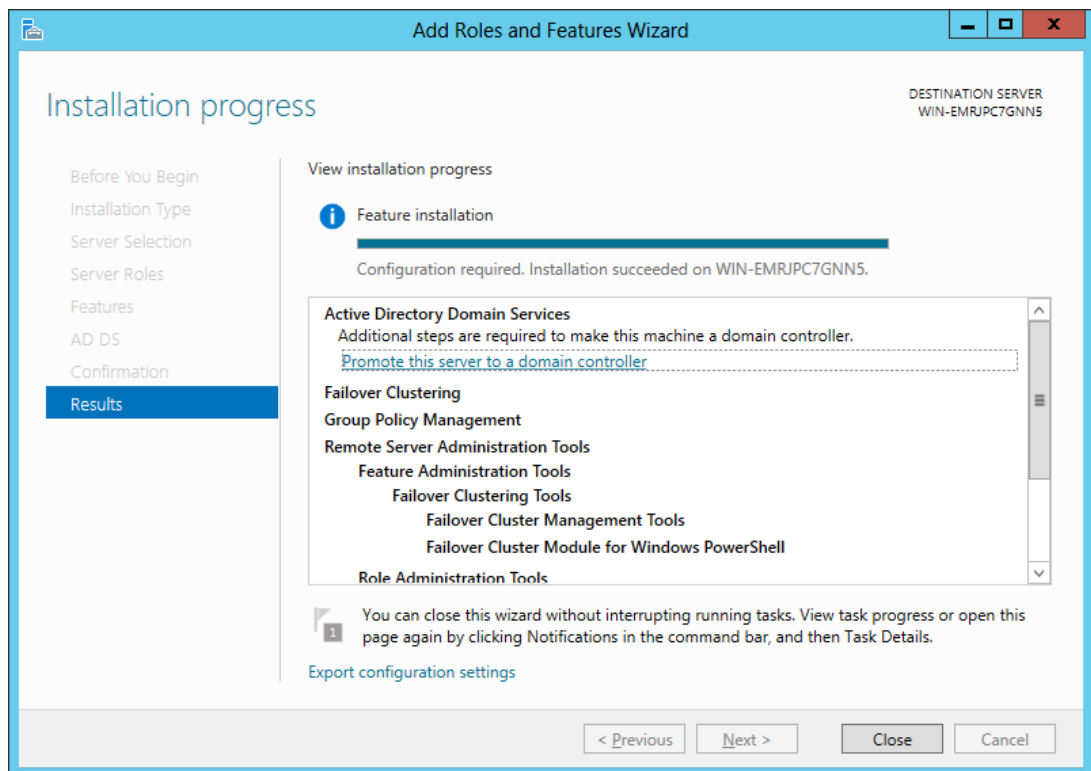


Click **Install** to start the installation

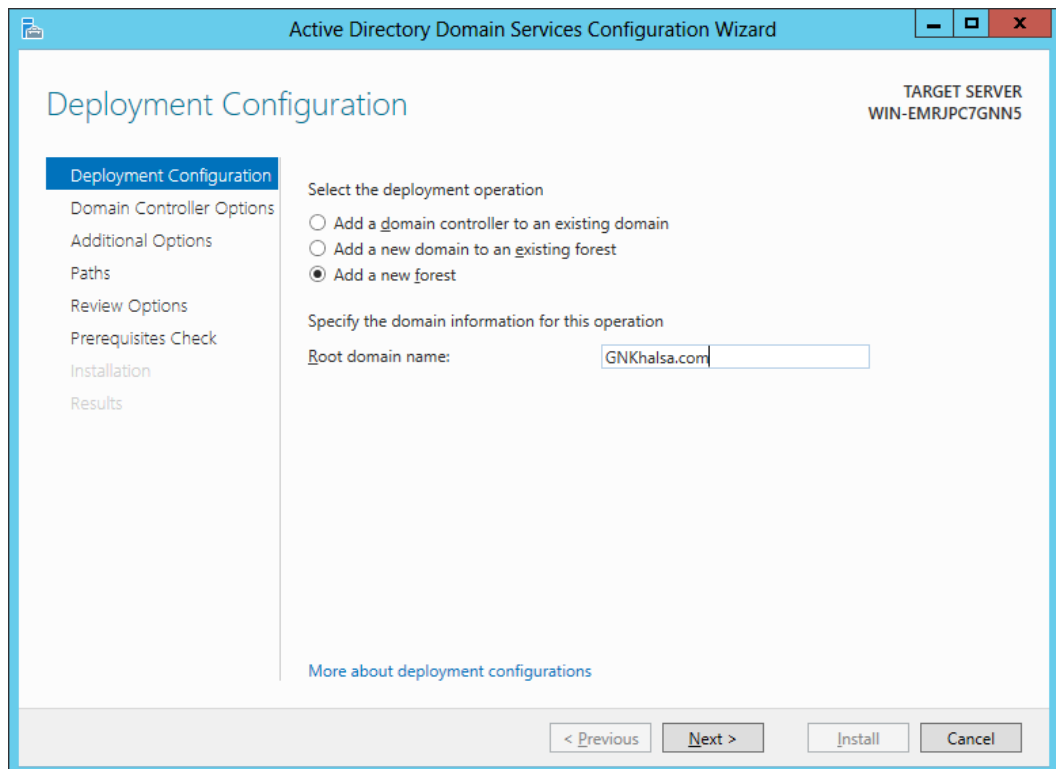


After the installation completes click on the option

Promote this server to a domain controller



Select the **Add a new forest** option and type **Root domain name**



Type the DSRM password and click **Next**

The screenshot shows the 'Active Directory Domain Services Configuration Wizard' window. The title bar includes standard Windows window controls. The main title is 'Domain Controller Options'. In the top right corner, it says 'TARGET SERVER WIN-EMRIPC7GNN5'. On the left, a vertical list of steps includes 'Deployment Configuration', 'Domain Controller Options' (which is highlighted with a blue bar), 'DNS Options', 'Additional Options', 'Paths', 'Review Options', 'Prerequisites Check', 'Installation', and 'Results'. The main content area is divided into two sections. The top section, 'Select functional level of the new forest and root domain', contains two dropdown menus: 'Forest functional level:' and 'Domain functional level:', both set to 'Windows Server 2012 Release C...'. The bottom section, 'Specify domain controller capabilities', has three checkboxes: 'Domain Name System (DNS) server' (checked), 'Global Catalog (GC)' (checked), and 'Read only domain controller (RODC)' (unchecked). Below these is a section titled 'Type the Directory Services Restore Mode (DSRM) password' with two password input fields labeled 'Password:' and 'Confirm password:'. At the bottom right of the main area is a link 'More about domain controller options'. The bottom of the window features a grey bar with four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'.

Click **Next** on the **DNS options** page

The screenshot shows the 'Active Directory Domain Services Configuration Wizard' window at the 'DNS Options' step. The title bar and window controls are the same. The main title is 'DNS Options'. The 'TARGET SERVER WIN-EMRIPC7GNN5' label is in the top right. The left-hand list of steps is identical to the previous screenshot, but 'DNS Options' is now highlighted with a blue bar. The main content area is titled 'Specify DNS delegation options' and contains a single checkbox labeled 'Create DNS delegation', which is currently unchecked. At the bottom of the main area is a link 'More about DNS delegation'. The bottom grey bar with navigation buttons ('< Previous', 'Next >', 'Install', 'Cancel') is also present.

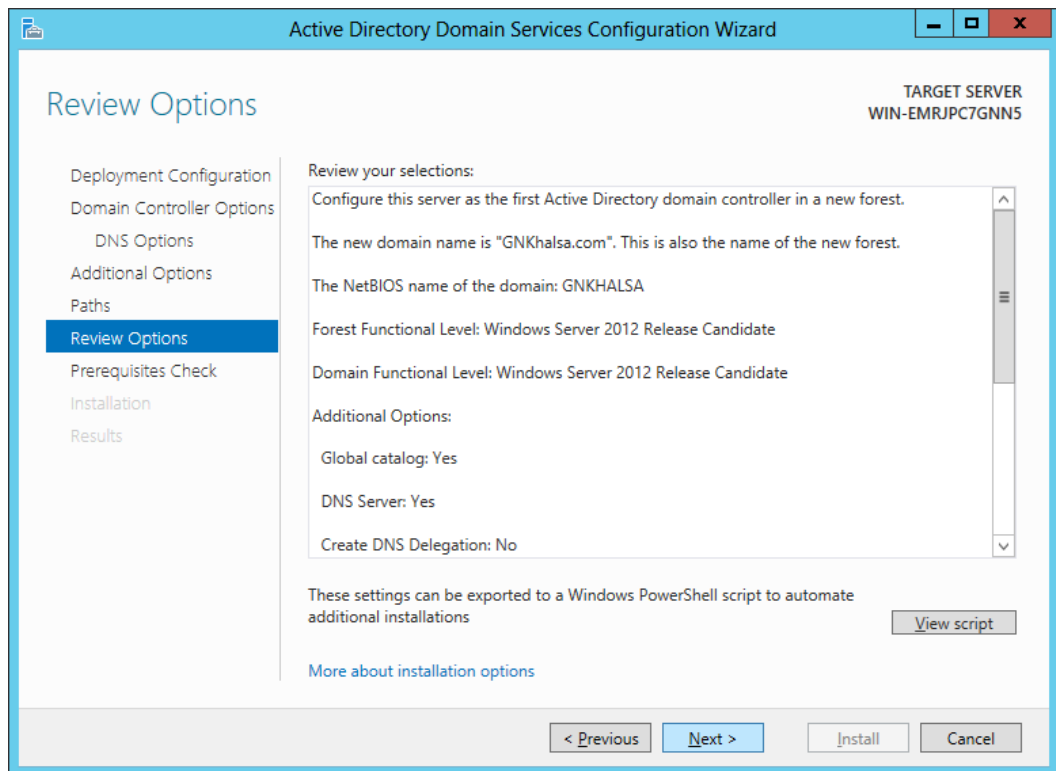
Wait till you see the **NetBIOS domain name** automatically and click **Next**

The screenshot shows the 'Additional Options' step of the Active Directory Domain Services Configuration Wizard. The title bar reads 'Active Directory Domain Services Configuration Wizard'. On the left, a navigation pane lists steps: Deployment Configuration, Domain Controller Options, DNS Options, Additional Options (highlighted), Paths, Review Options, Prerequisites Check, Installation, and Results. The main area is titled 'Additional Options' and contains the instruction 'Verify the NetBIOS name assigned to the domain and change it if necessary'. Below this, it says 'The NetBIOS domain name:' followed by a text box containing 'GNKHALSA'. In the top right corner, it says 'TARGET SERVER WIN-EMRIPC7GNN5'. At the bottom, there are buttons for '< Previous', 'Next >', 'Install', and 'Cancel'. A link 'More about additional options' is also present.

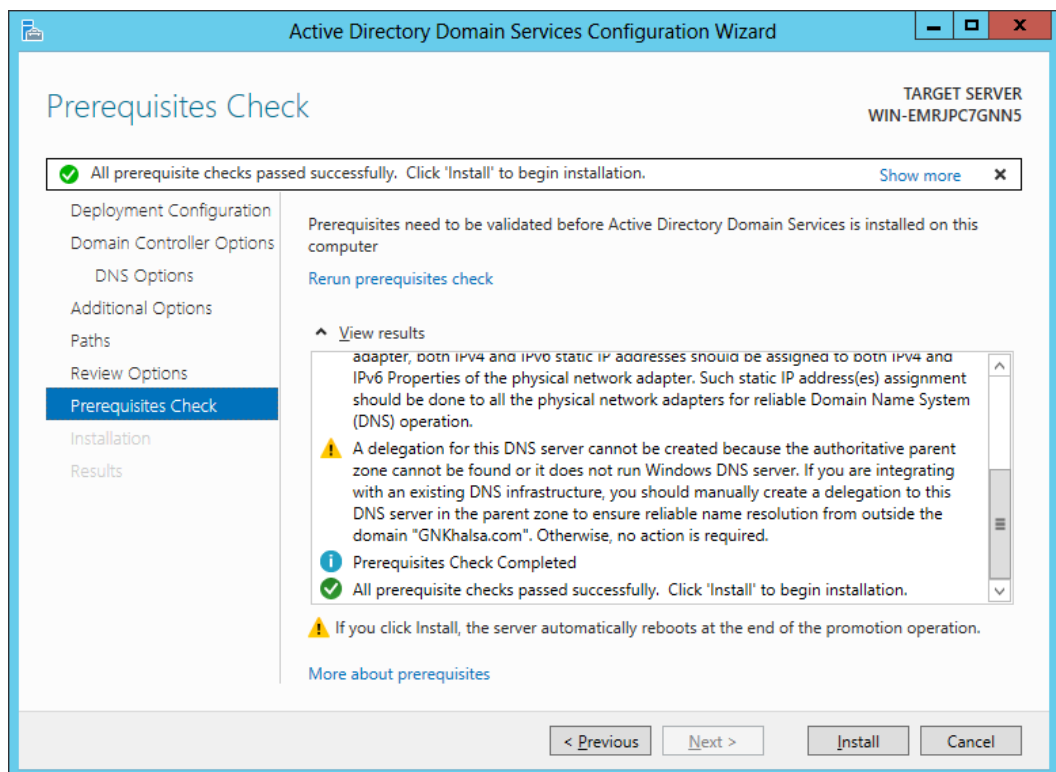
Leave the Paths settings to default and click **Next**

The screenshot shows the 'Paths' step of the Active Directory Domain Services Configuration Wizard. The title bar reads 'Active Directory Domain Services Configuration Wizard'. On the left, a navigation pane lists steps: Deployment Configuration, Domain Controller Options, DNS Options, Additional Options, Paths (highlighted), Review Options, Prerequisites Check, Installation, and Results. The main area is titled 'Paths' and contains the instruction 'Specify the location of the AD DS database, log files, and SYSVOL'. Below this, there are three rows of settings: 'Database folder:' with 'C:\Windows\NTDS', 'Log files folder:' with 'C:\Windows\NTDS', and 'SYSVOL folder:' with 'C:\Windows\SYSVOL'. Each text box has a browse button (three dots) to its right. In the top right corner, it says 'TARGET SERVER WIN-EMRIPC7GNN5'. At the bottom, there are buttons for '< Previous', 'Next >', 'Install', and 'Cancel'. A link 'More about Active Directory paths' is also present.

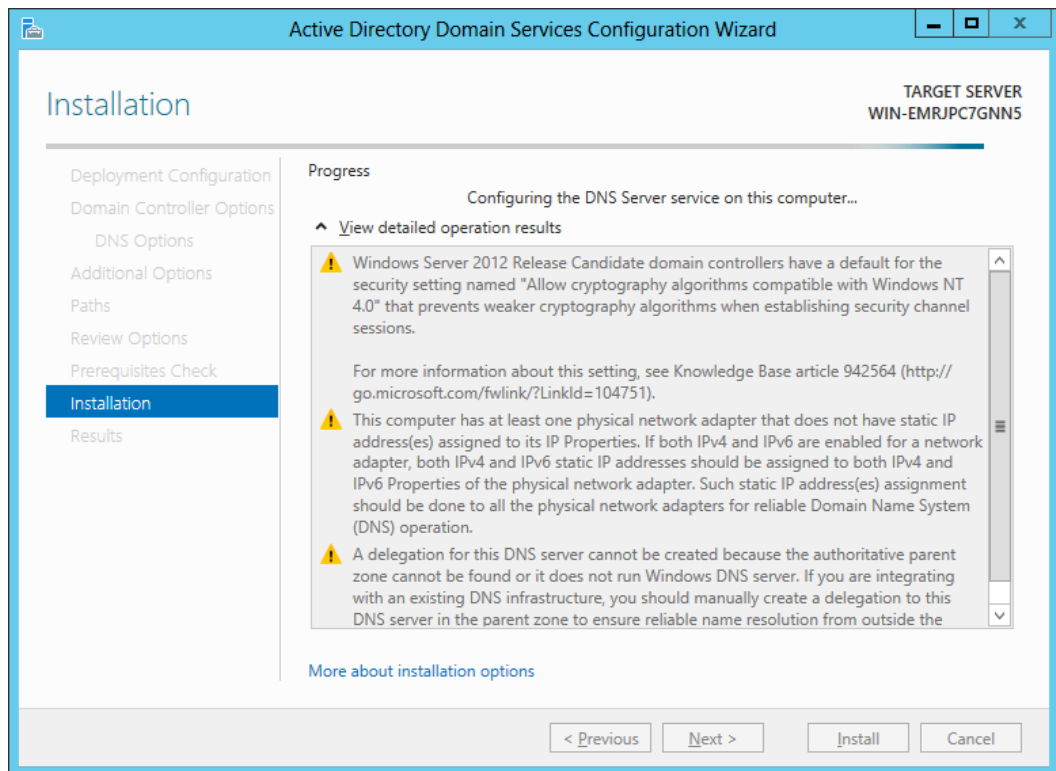
Review the options and click **Next**



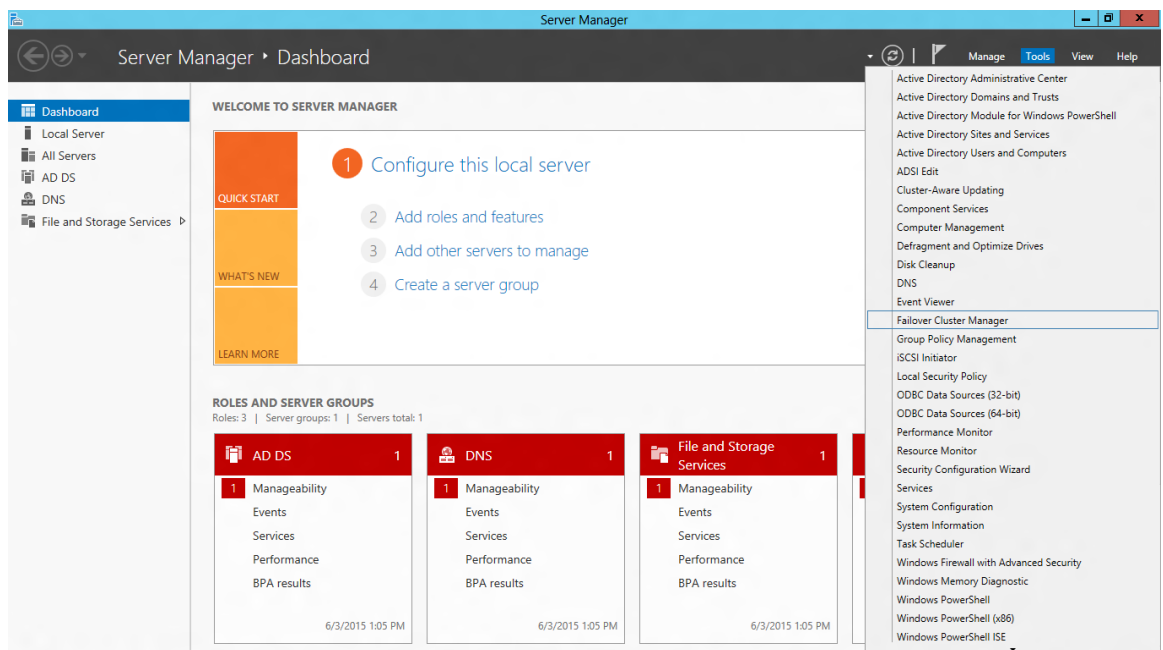
Wait for the **prerequisites check** to pass successfully and then click **Install**



Wait for installation to complete and the server automatically restarts

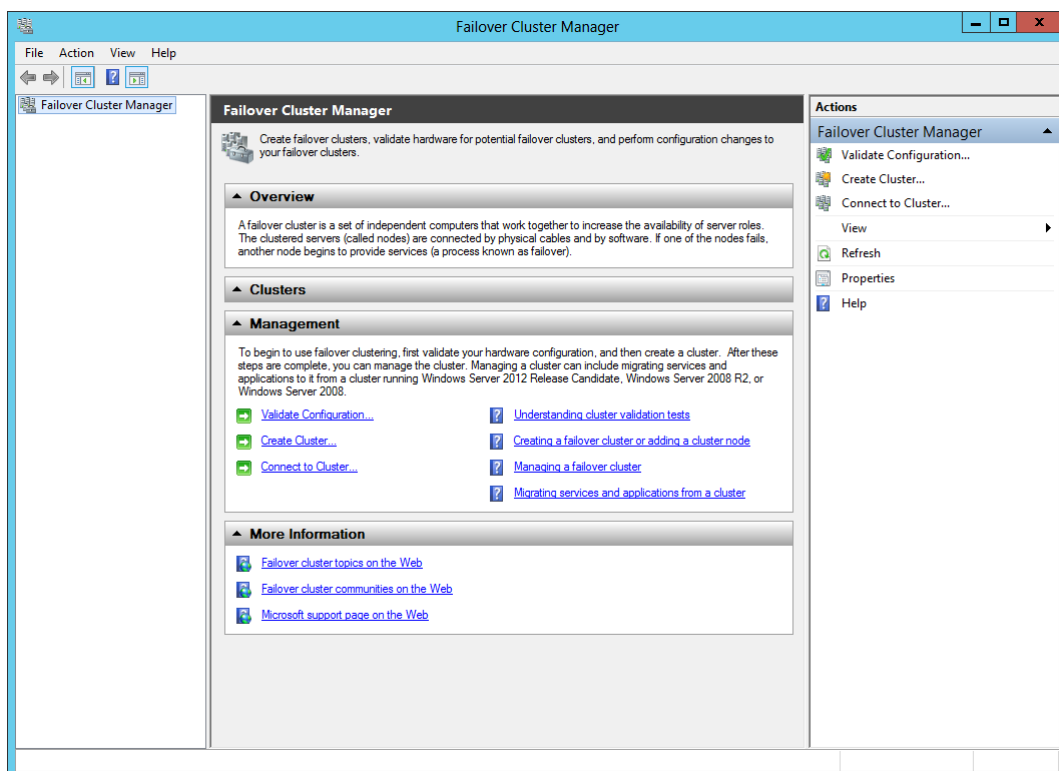


Go to **Tools** menu and select the **Failover Cluster Manager**

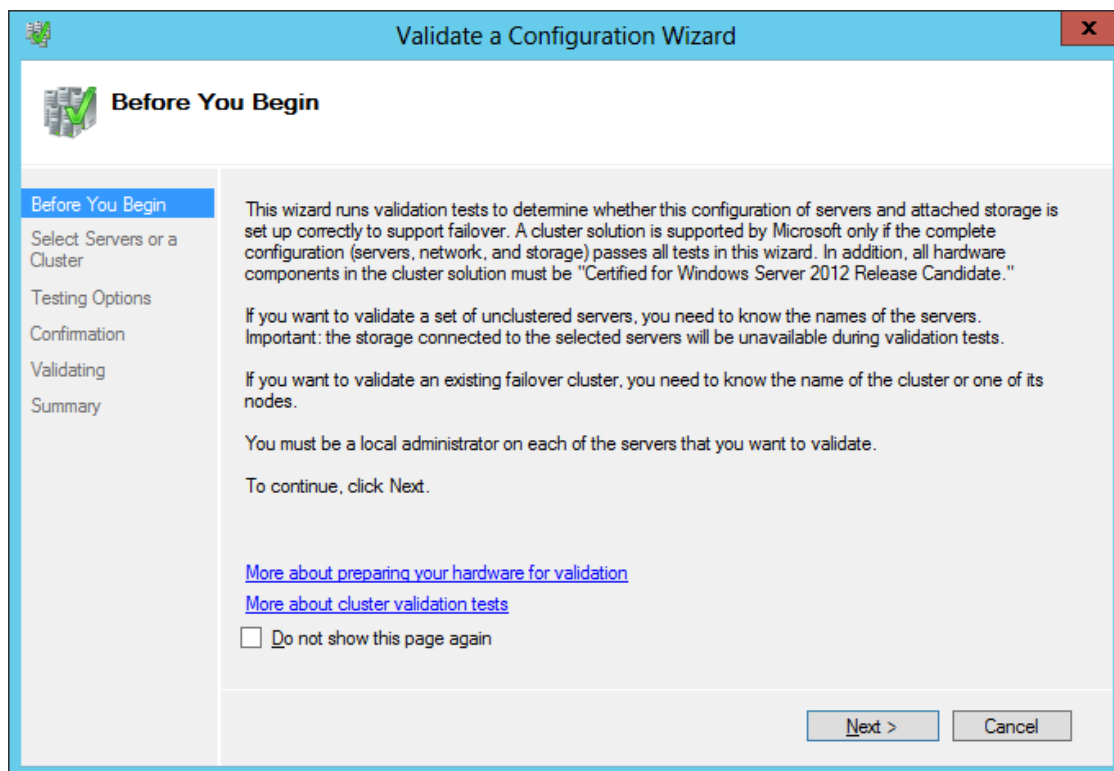


The **Failover Cluster Manager** wizard opens

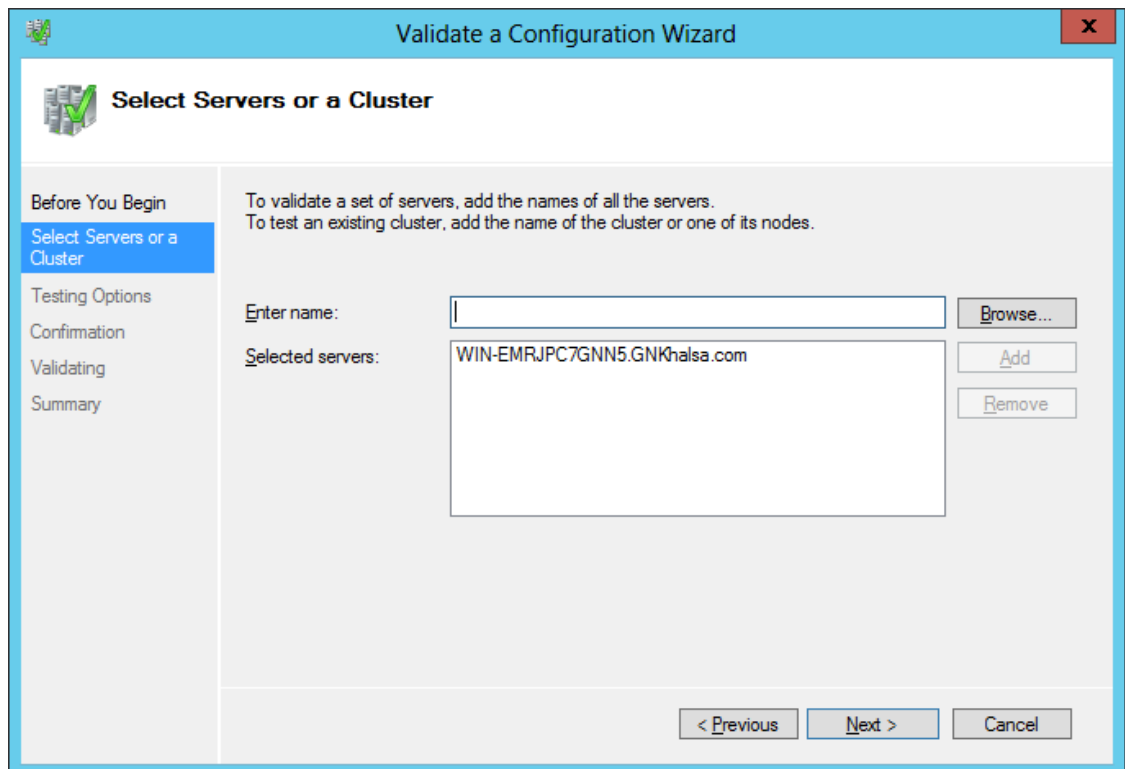
Click on **Validate Configuration** option



Validate a Configuration Wizard opens, click **Next** to begin

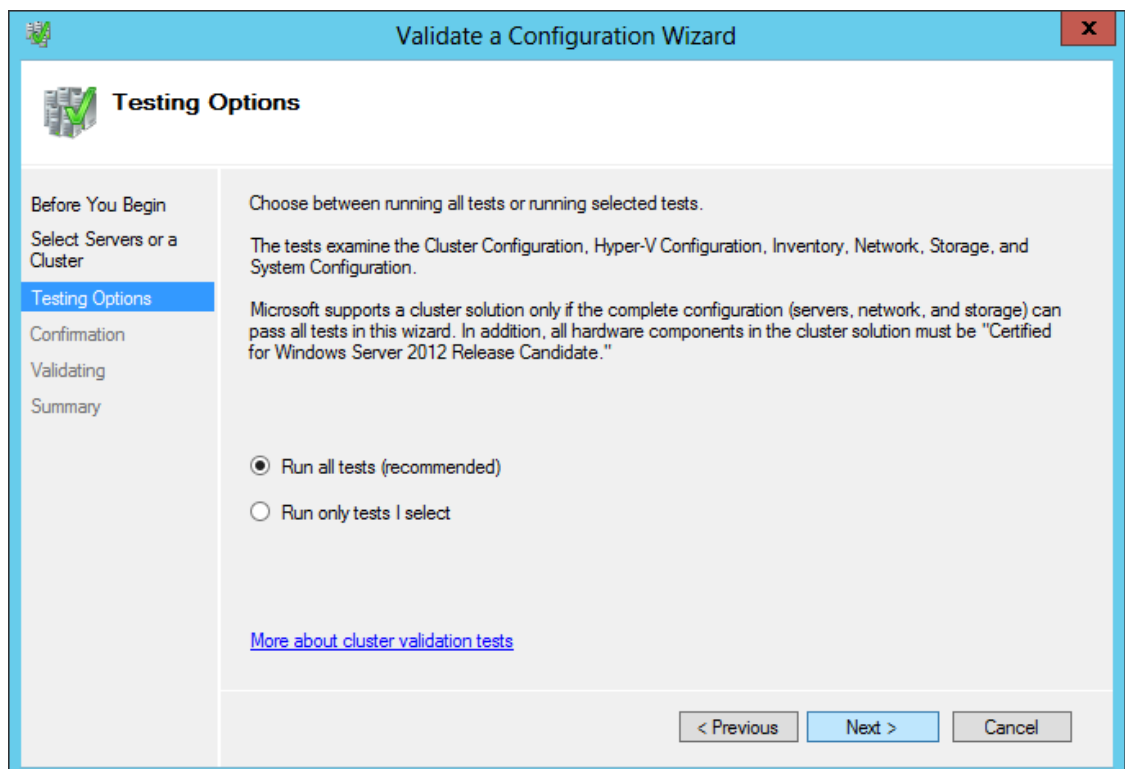


Select a server to validate and click **Next**



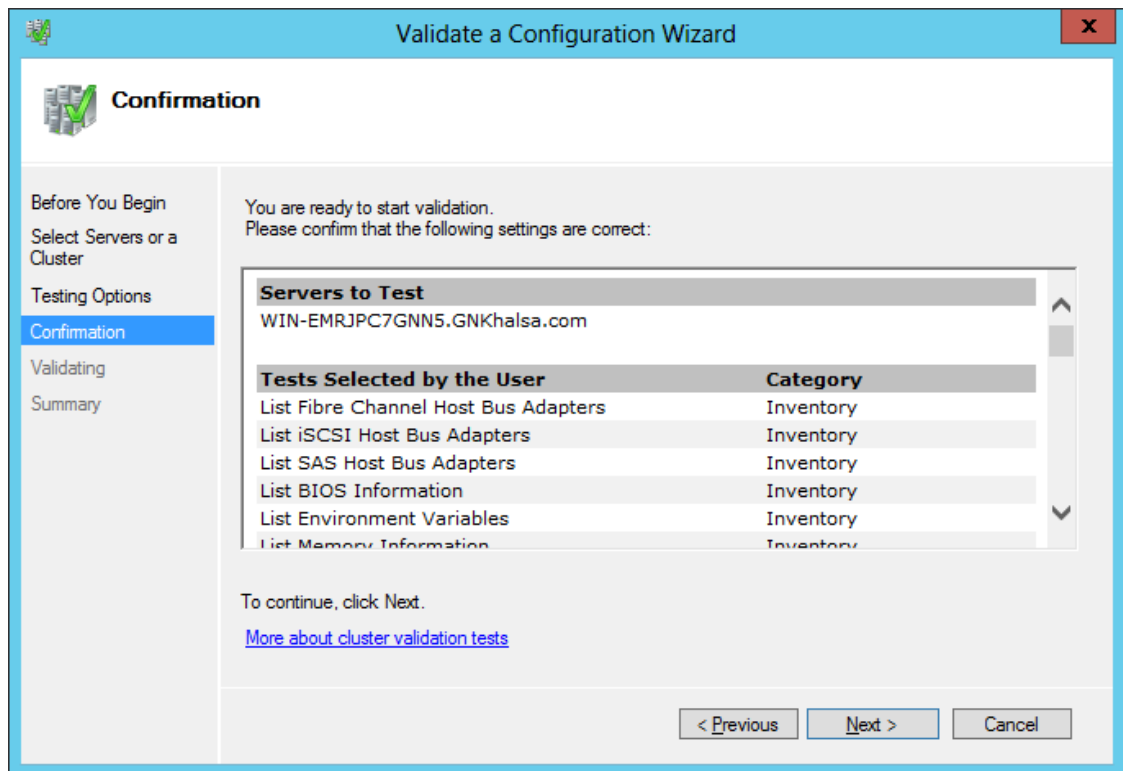
The screenshot shows the 'Validate a Configuration Wizard' window with the title bar 'Validate a Configuration Wizard' and a close button. The main area is titled 'Select Servers or a Cluster' with a green checkmark icon. On the left, a sidebar lists the steps: 'Before You Begin', 'Select Servers or a Cluster' (highlighted), 'Testing Options', 'Confirmation', 'Validating', and 'Summary'. The main content area contains instructions: 'To validate a set of servers, add the names of all the servers. To test an existing cluster, add the name of the cluster or one of its nodes.' Below this, there is an 'Enter name:' text box with a 'Browse...' button to its right. Underneath, a 'Selected servers:' list box contains the text 'WIN-EMRJPC7GNN5.GNKhalsa.com'. To the right of the list box are 'Add' and 'Remove' buttons. At the bottom right, there are three buttons: '< Previous', 'Next >', and 'Cancel'.

Select the option **Run all tests** and click **Next**

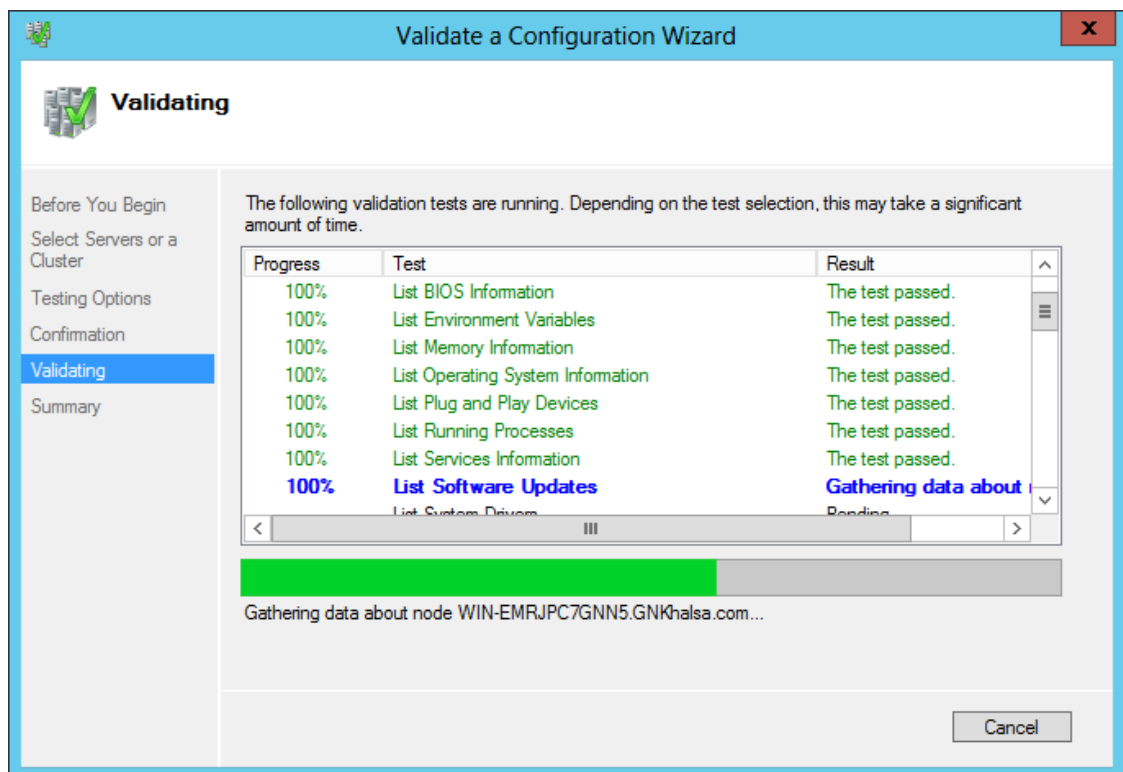


The screenshot shows the 'Validate a Configuration Wizard' window with the title bar 'Validate a Configuration Wizard' and a close button. The main area is titled 'Testing Options' with a green checkmark icon. On the left, a sidebar lists the steps: 'Before You Begin', 'Select Servers or a Cluster', 'Testing Options' (highlighted), 'Confirmation', 'Validating', and 'Summary'. The main content area contains instructions: 'Choose between running all tests or running selected tests. The tests examine the Cluster Configuration, Hyper-V Configuration, Inventory, Network, Storage, and System Configuration. Microsoft supports a cluster solution only if the complete configuration (servers, network, and storage) can pass all tests in this wizard. In addition, all hardware components in the cluster solution must be "Certified for Windows Server 2012 Release Candidate."' Below this, there are two radio button options: 'Run all tests (recommended)' (which is selected) and 'Run only tests I select'. At the bottom, there is a blue hyperlink 'More about cluster validation tests'. At the bottom right, there are three buttons: '< Previous', 'Next >', and 'Cancel'.

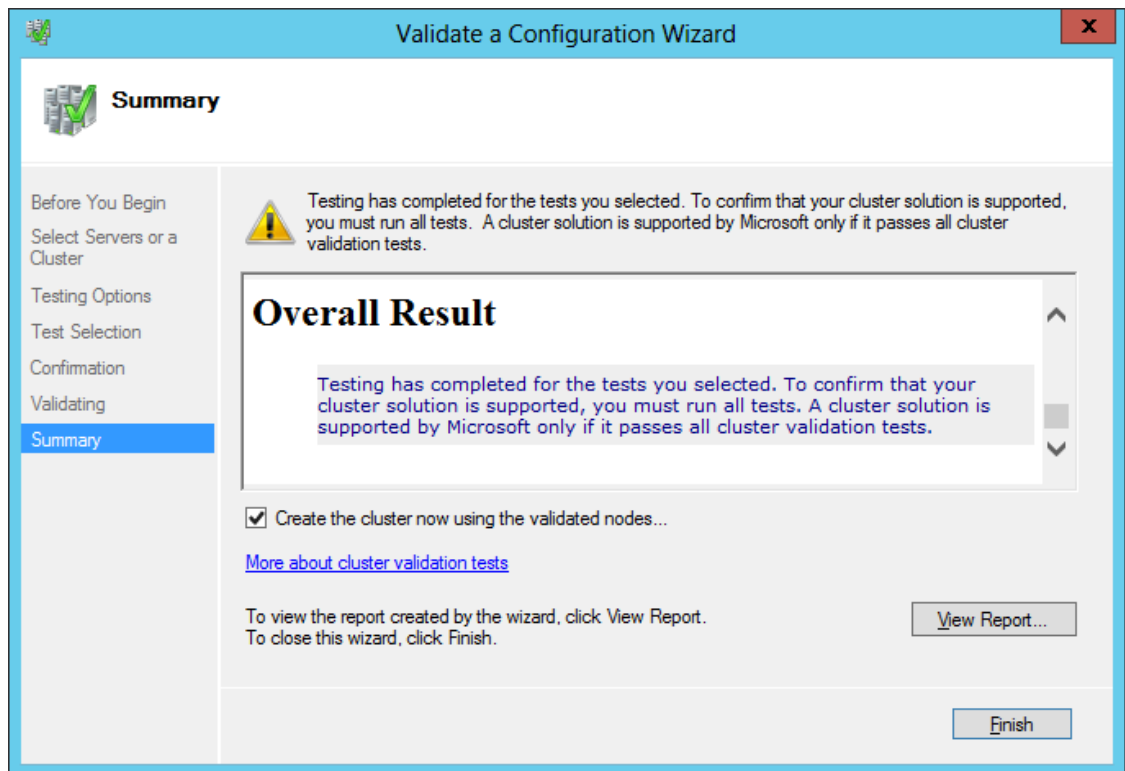
Confirm the list of test and click **Next**



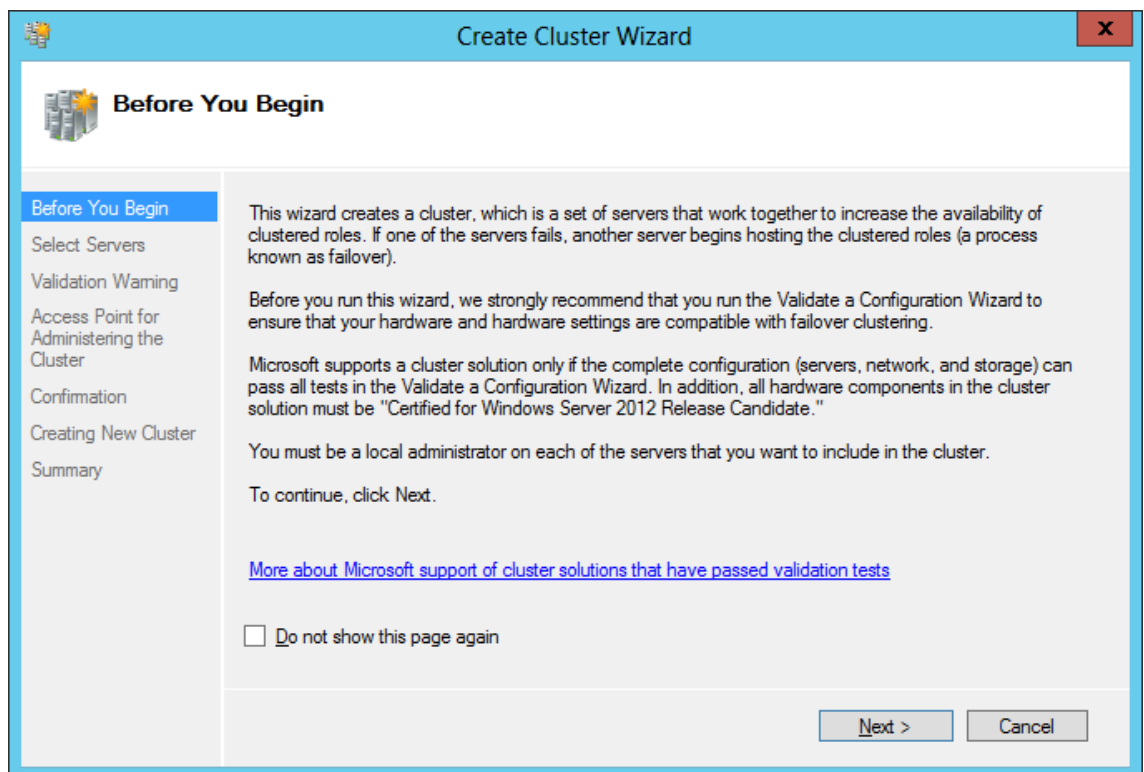
You can see the tests running



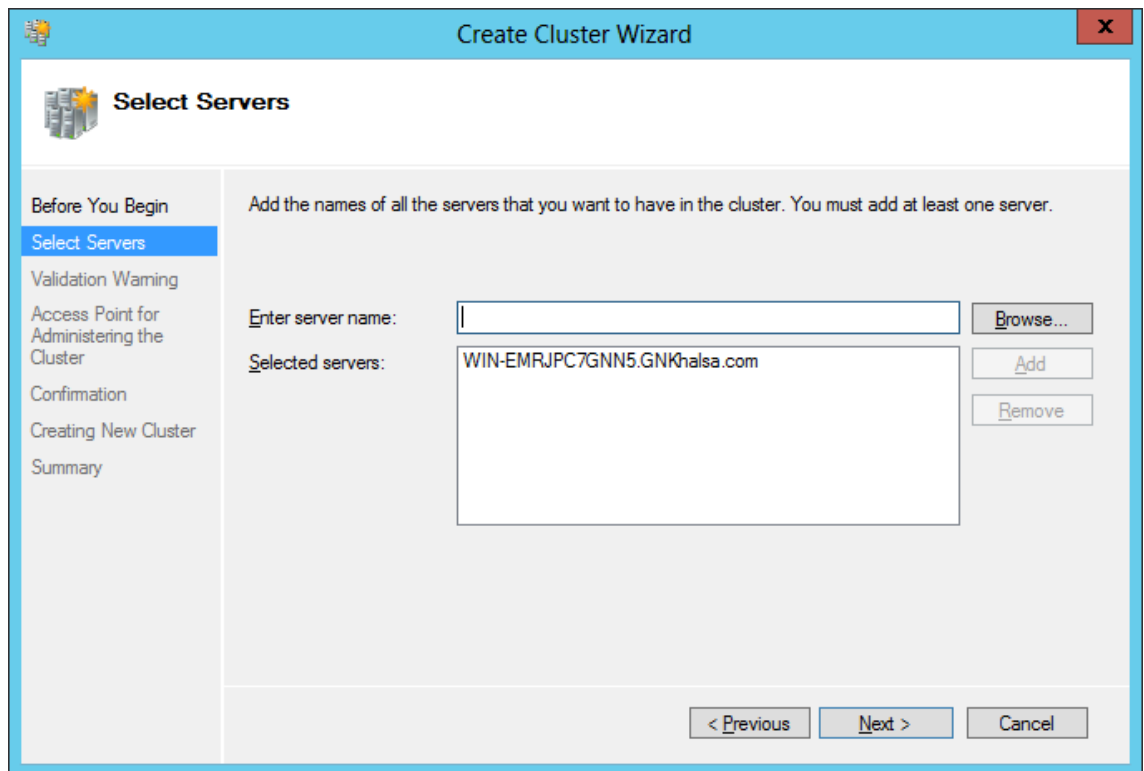
If all tests are passed, click **Finish** to create the cluster



Create Cluster wizard opens, click Next

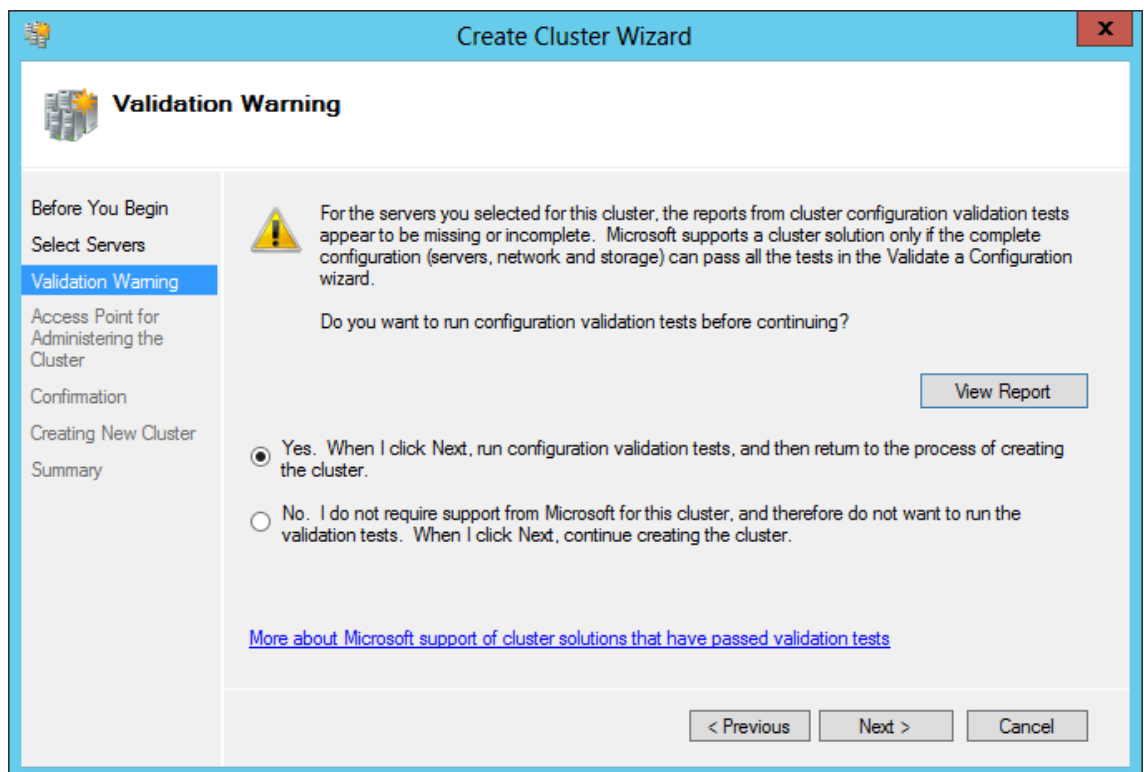


Check the **Select a server from the pool** and select your **server** and click **Next**



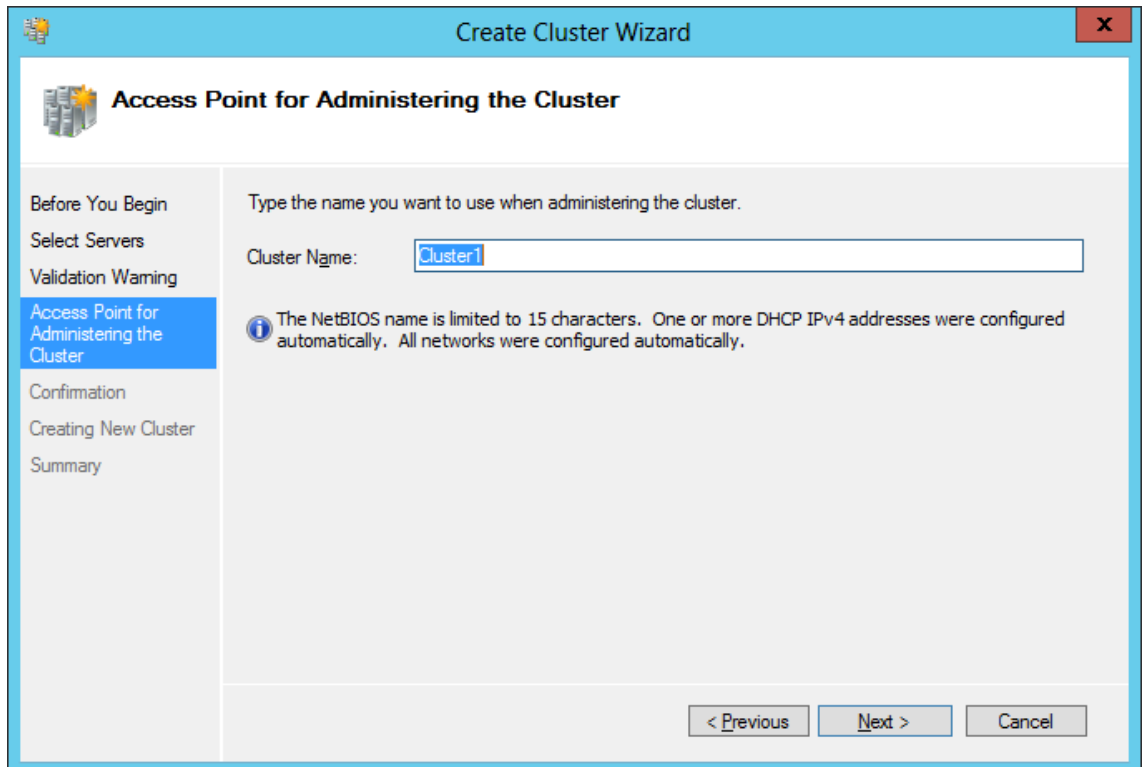
The screenshot shows the 'Create Cluster Wizard' window with the 'Select Servers' step selected in the left-hand navigation pane. The main area contains instructions to add server names. A text box labeled 'Enter server name:' is empty, with a 'Browse...' button to its right. Below it, a list box labeled 'Selected servers:' contains the text 'WIN-EMRJPC7GNN5.GNKhalsa.com'. To the right of the list box are 'Add' and 'Remove' buttons. At the bottom right are '< Previous', 'Next >', and 'Cancel' buttons.

Select **Yes** to run validation test and click **Next**



The screenshot shows the 'Create Cluster Wizard' window with the 'Validation Warning' step selected in the left-hand navigation pane. The main area features a yellow warning triangle icon and text stating: 'For the servers you selected for this cluster, the reports from cluster configuration validation tests appear to be missing or incomplete. Microsoft supports a cluster solution only if the complete configuration (servers, network and storage) can pass all the tests in the Validate a Configuration wizard.' Below this, it asks 'Do you want to run configuration validation tests before continuing?'. There are two radio button options: 'Yes. When I click Next, run configuration validation tests, and then return to the process of creating the cluster.' (which is selected) and 'No. I do not require support from Microsoft for this cluster, and therefore do not want to run the validation tests. When I click Next, continue creating the cluster.' A 'View Report' button is located to the right of the text. At the bottom right are '< Previous', 'Next >', and 'Cancel' buttons.

Type the cluster name



The screenshot shows the 'Create Cluster Wizard' window, specifically the 'Access Point for Administering the Cluster' step. The left sidebar contains a list of steps: 'Before You Begin', 'Select Servers', 'Validation Warning', 'Access Point for Administering the Cluster' (highlighted), 'Confirmation', 'Creating New Cluster', and 'Summary'. The main area has a title bar with a server icon and the text 'Access Point for Administering the Cluster'. Below the title bar, it says 'Type the name you want to use when administering the cluster.' followed by a text input field labeled 'Cluster Name:' containing the text 'Cluster1'. An information icon (i) is followed by a message: 'The NetBIOS name is limited to 15 characters. One or more DHCP IPv4 addresses were configured automatically. All networks were configured automatically.' At the bottom right, there are three buttons: '< Previous', 'Next >', and 'Cancel'.

Create Cluster Wizard

Access Point for Administering the Cluster

Before You Begin
Select Servers
Validation Warning
Access Point for Administering the Cluster
Confirmation
Creating New Cluster
Summary

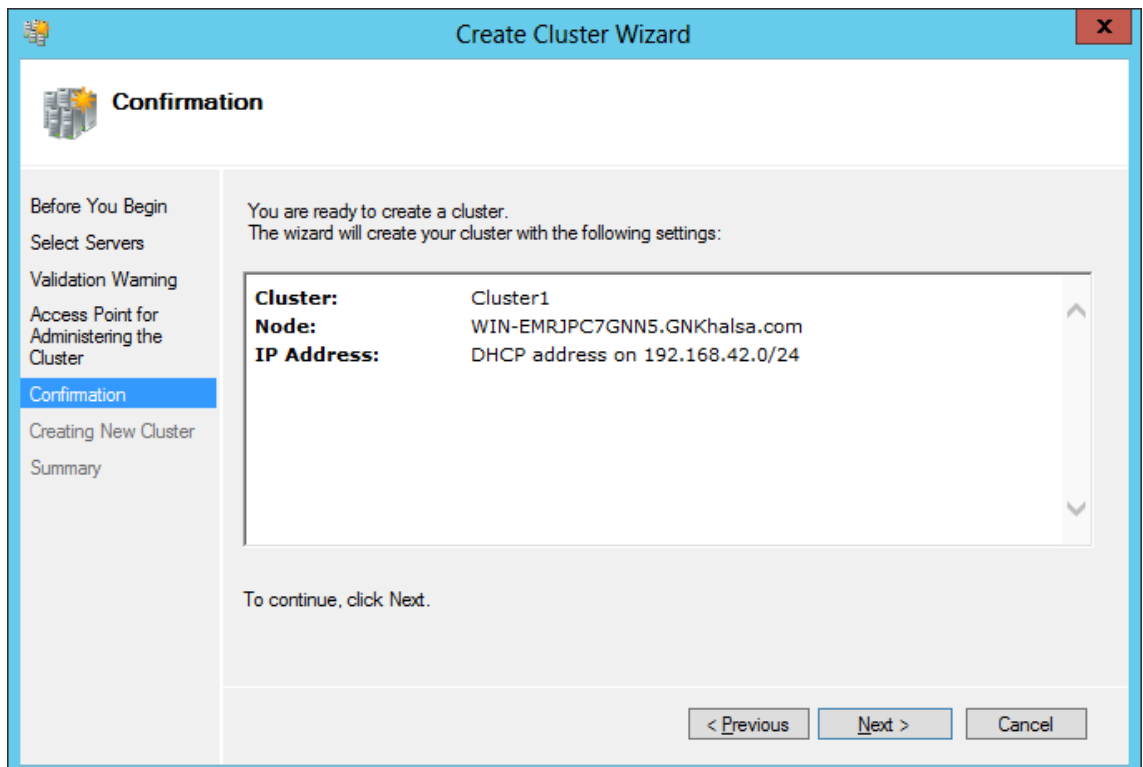
Type the name you want to use when administering the cluster.

Cluster Name:

i The NetBIOS name is limited to 15 characters. One or more DHCP IPv4 addresses were configured automatically. All networks were configured automatically.

< Previous Next > Cancel

Confirm the cluster settings and click **Next**



The screenshot shows the 'Create Cluster Wizard' window, specifically the 'Confirmation' step. The left sidebar contains a list of steps: 'Before You Begin', 'Select Servers', 'Validation Warning', 'Access Point for Administering the Cluster', 'Confirmation' (highlighted), 'Creating New Cluster', and 'Summary'. The main area has a title bar with a server icon and the text 'Confirmation'. Below the title bar, it says 'You are ready to create a cluster. The wizard will create your cluster with the following settings:'. A scrollable box contains the following settings: 'Cluster: Cluster1', 'Node: WIN-EMRJPC7GNN5.GNKhalsa.com', and 'IP Address: DHCP address on 192.168.42.0/24'. Below the scrollable box, it says 'To continue, click Next.' At the bottom right, there are three buttons: '< Previous', 'Next >', and 'Cancel'.

Create Cluster Wizard

Confirmation

Before You Begin
Select Servers
Validation Warning
Access Point for Administering the Cluster
Confirmation
Creating New Cluster
Summary

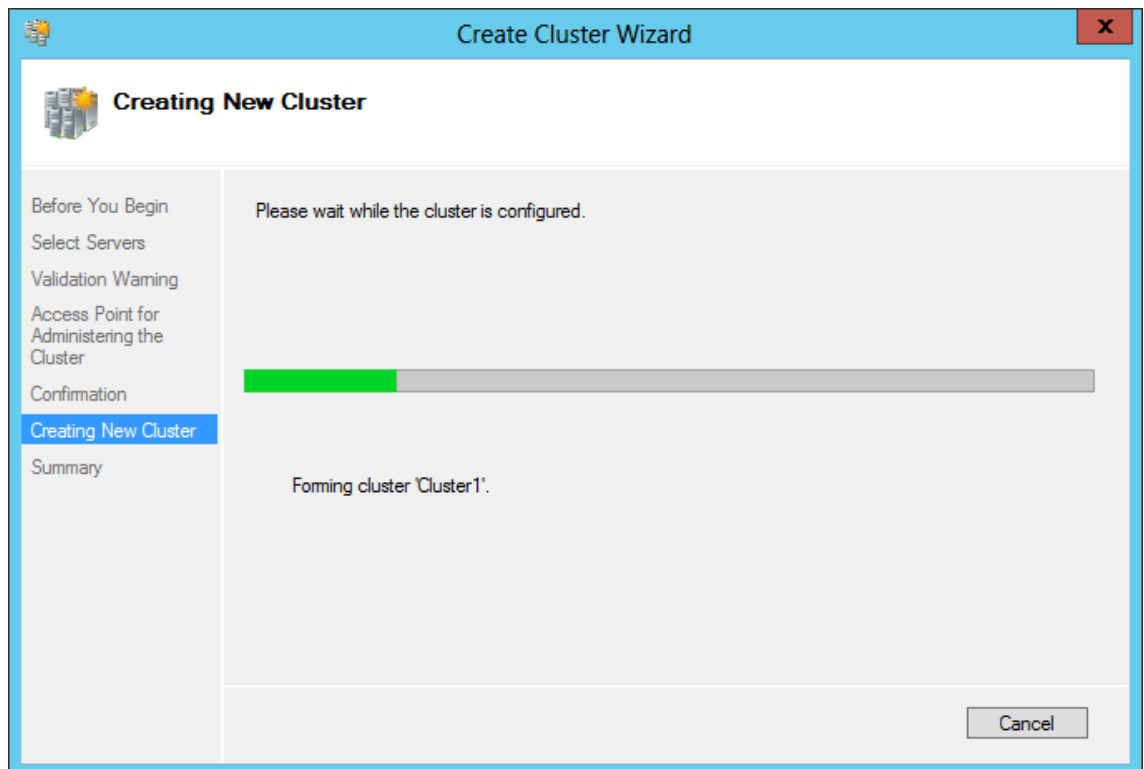
You are ready to create a cluster.
The wizard will create your cluster with the following settings:

Cluster:	Cluster1
Node:	WIN-EMRJPC7GNN5.GNKhalsa.com
IP Address:	DHCP address on 192.168.42.0/24

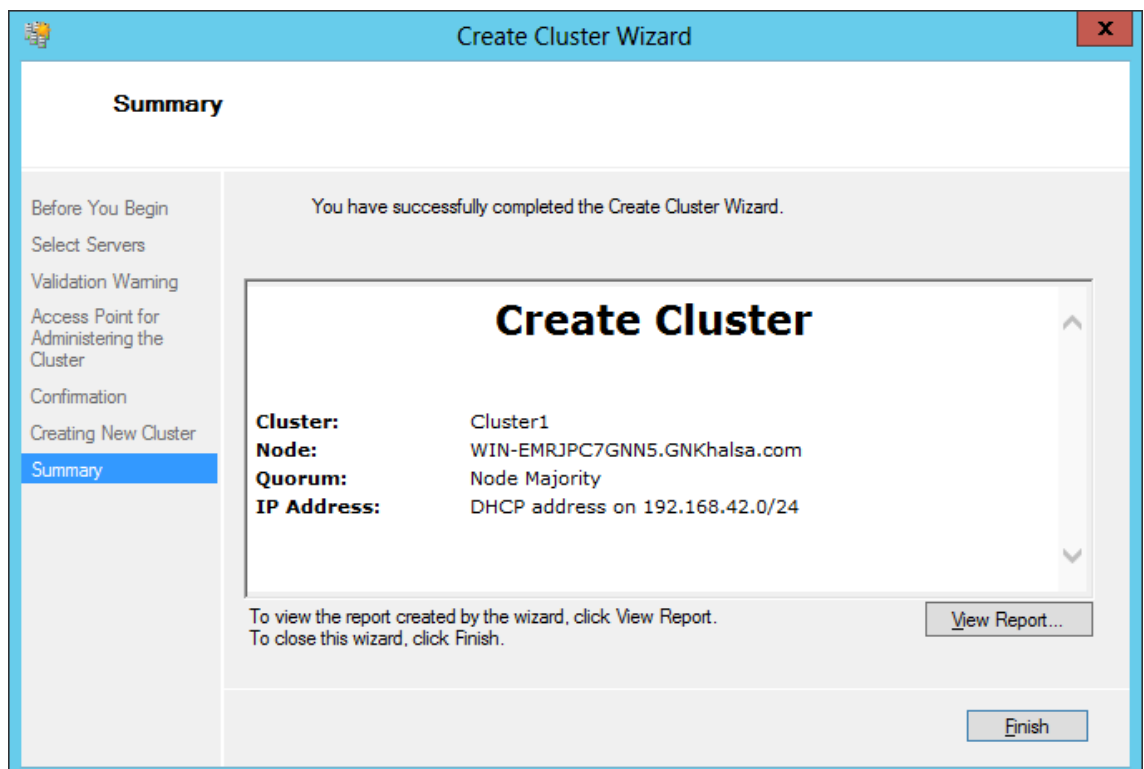
To continue, click Next.

< Previous Next > Cancel

Please wait while the cluster is created



Click **Finish** after successful completion of creating the cluster



Now you can see the cluster created

