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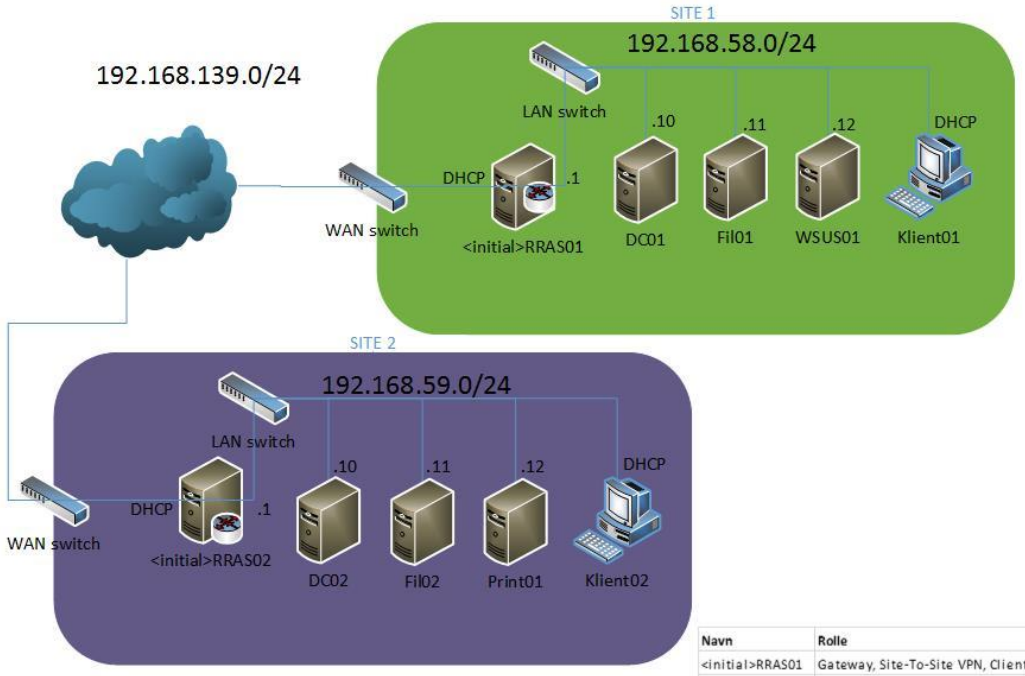
Installing and configuring DHCP on DC01



Navn	Rolle	Operativsystem
<initial>RRAS01	Gateway, Site-To-Site VPN, Client/server VPN	Server 2012 Standard
DC01	Domain Controller, DNS, DHCP, PKI	Server 2012 Standard
Fil01	Filserver	Server 2012 Standard
WSUS01	Windows Server Update Services Server	Server 2012 Standard
<initial>RRAS02	Gateway, Site-To-Site VPN, Client/server VPN	Server 2012 Standard
DC02	Domain Controller, DNS, DHCP	Server 2012 Standard
Fil02	Filserver	Server 2012 Standard
Print01	Printserver	Server 2012 Standard
Klient01	Workstation	Windows 8 Enterprise
Klient02	Workstation	Windows 8 Enterprise

In this guide we will install and configure the DHCP service on DC01 in site 1. The server will only offer DHCP services in site 1 as the gateway RRAS01 will block the DHCP broadcast packets.

We will configure that the DHCP clients in site 1 automatically get an IP address in the site subnet. We will also configure DHCP scope options, giving the DHCP clients a DNS server and a gateway so they can access and browse the internet.

As DC01 is also the local DNS server in site 1, we will use it as the primary DNS server and we will use DC02 as the secondary DNS server. A connection to the secondary DNS server will not be available before a site-to-site VPN connection has been established between RRAS01 and RRAS02.

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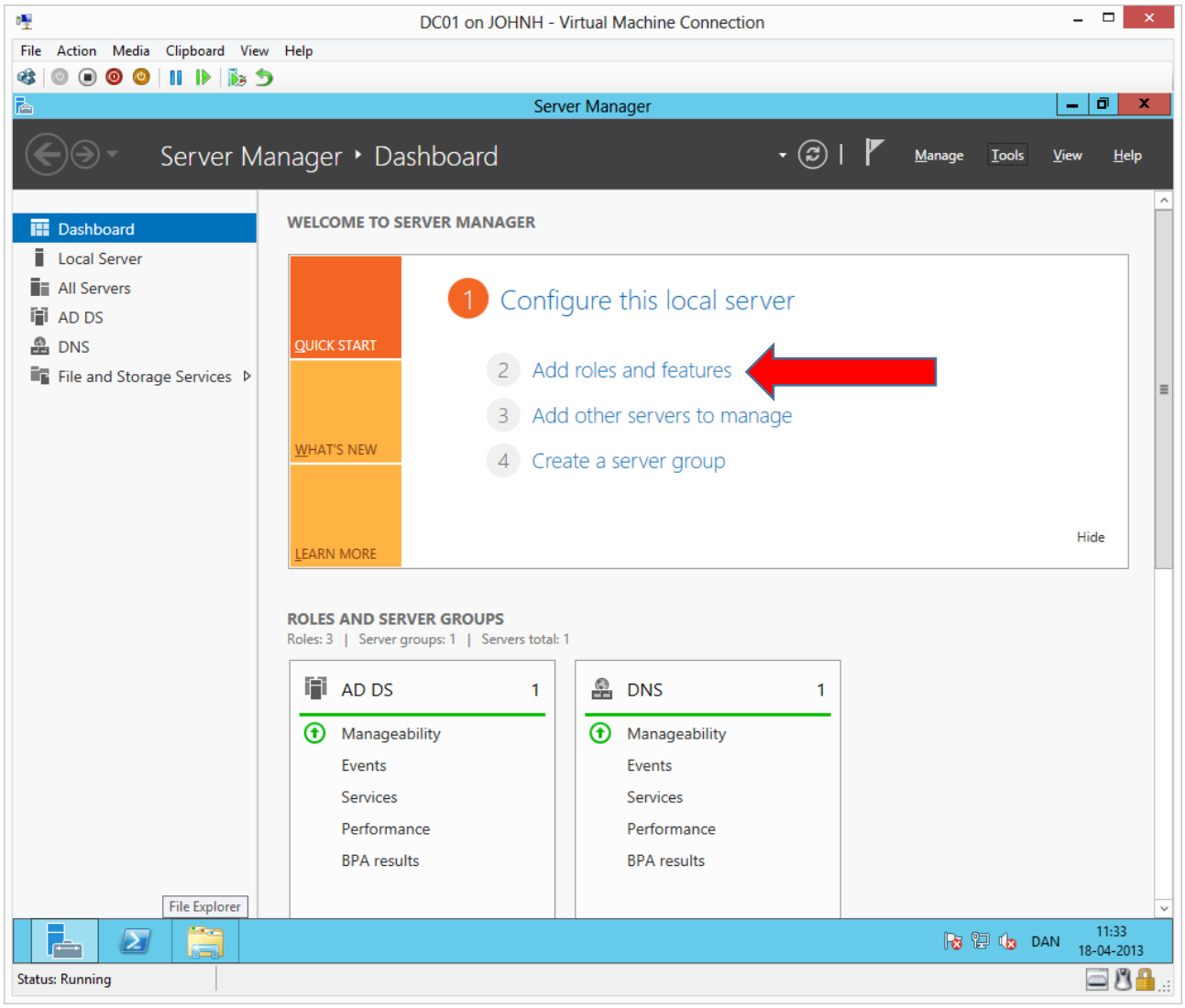
Installation and configuration of the DHCP role on DC01



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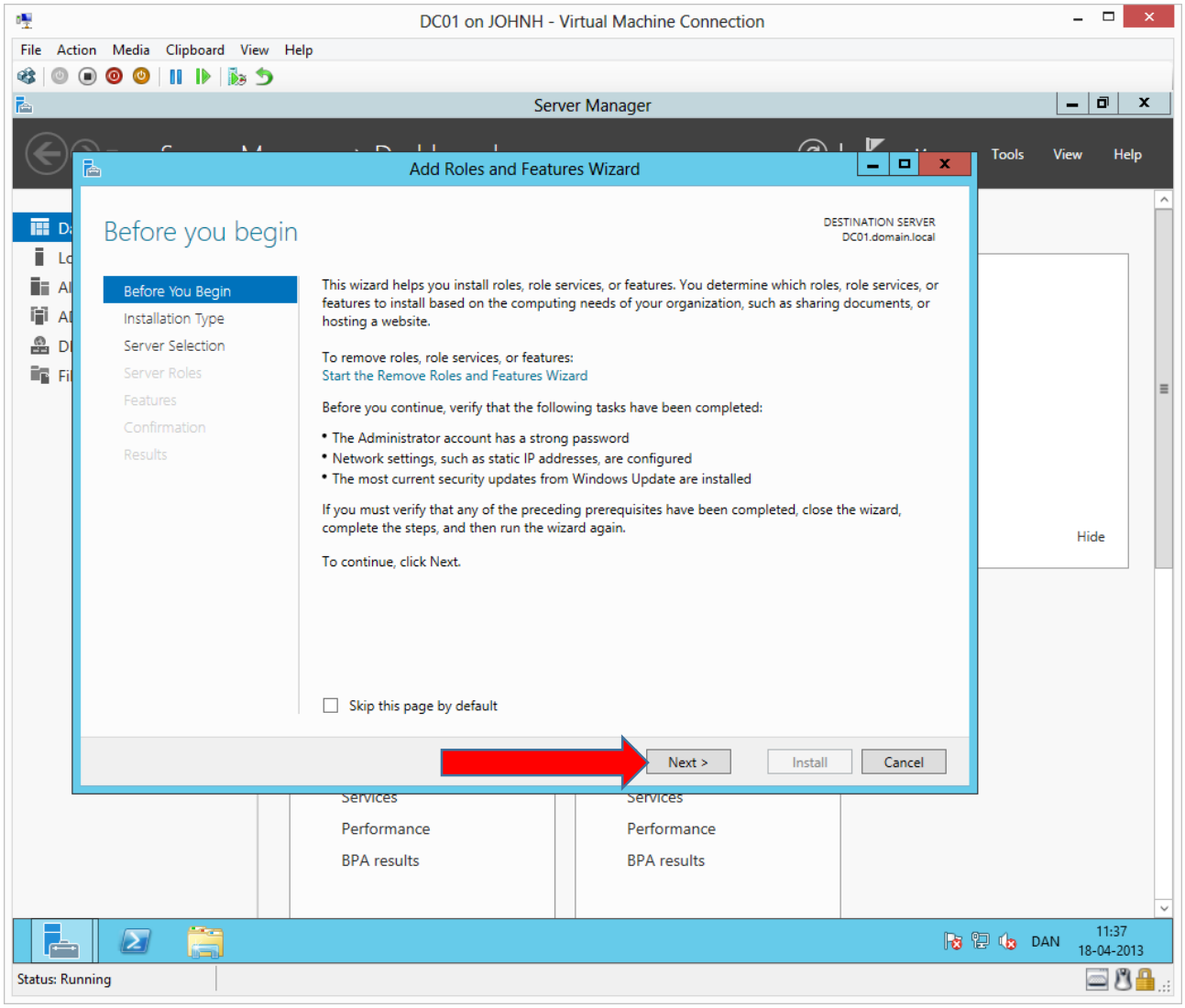

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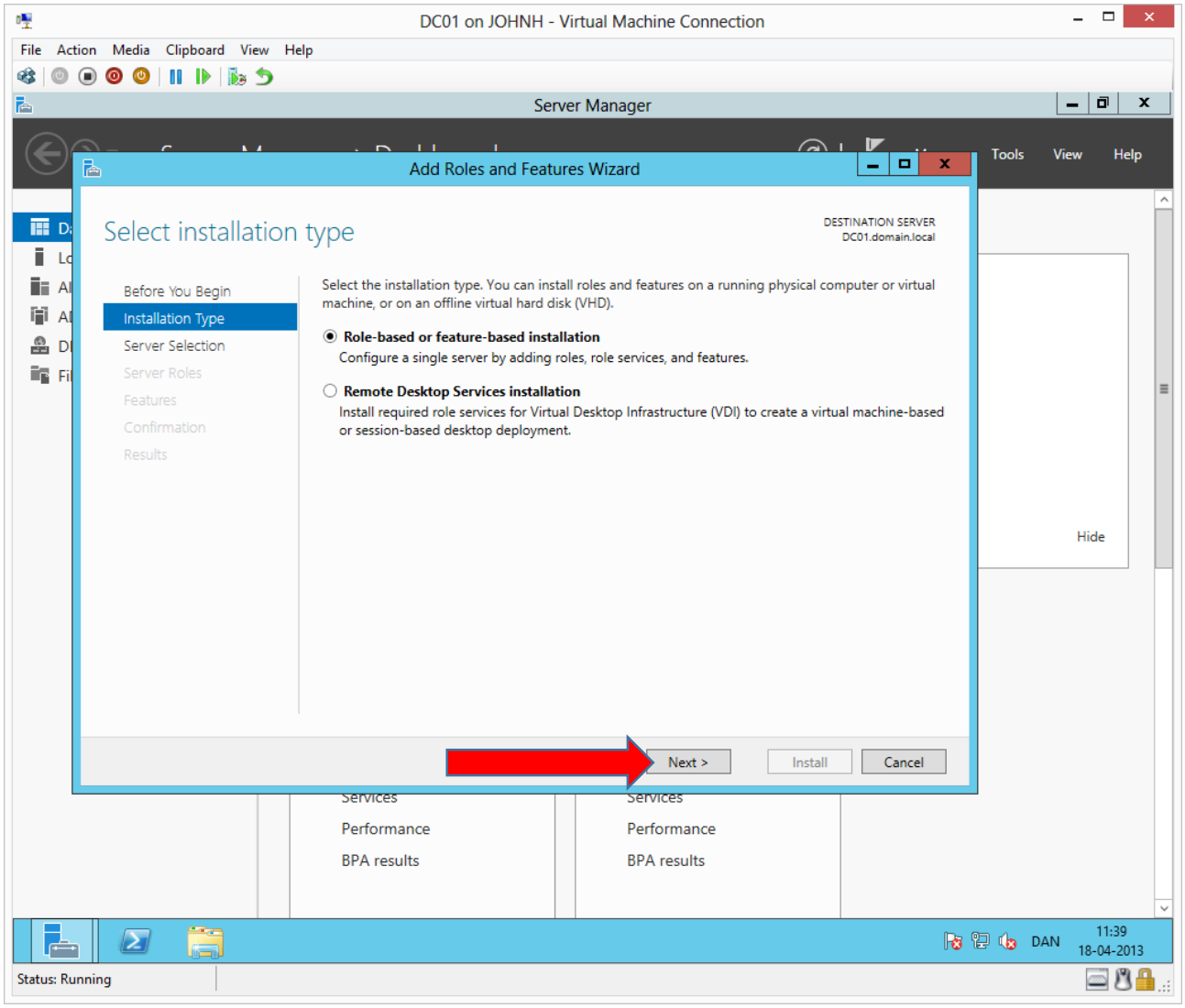

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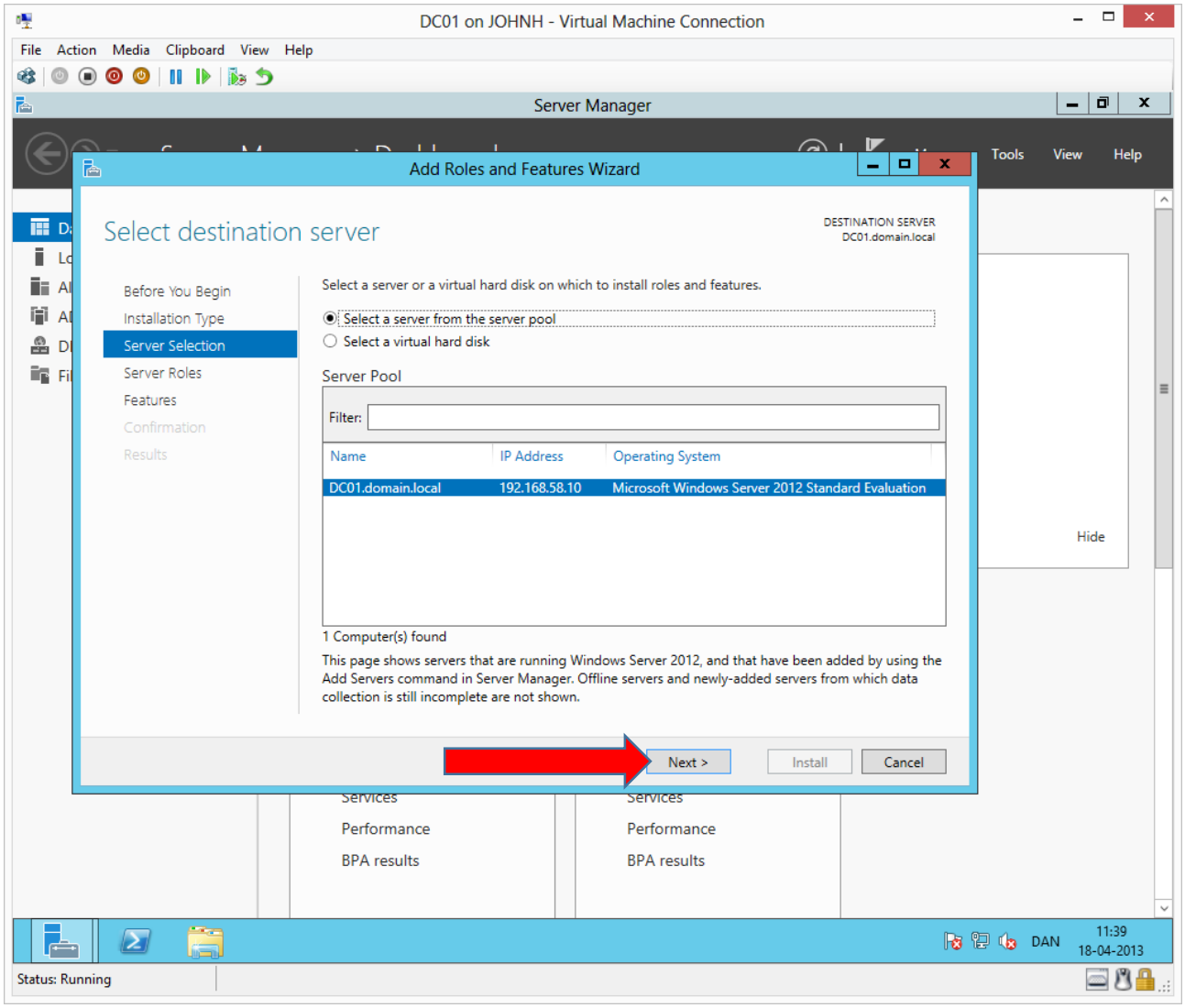

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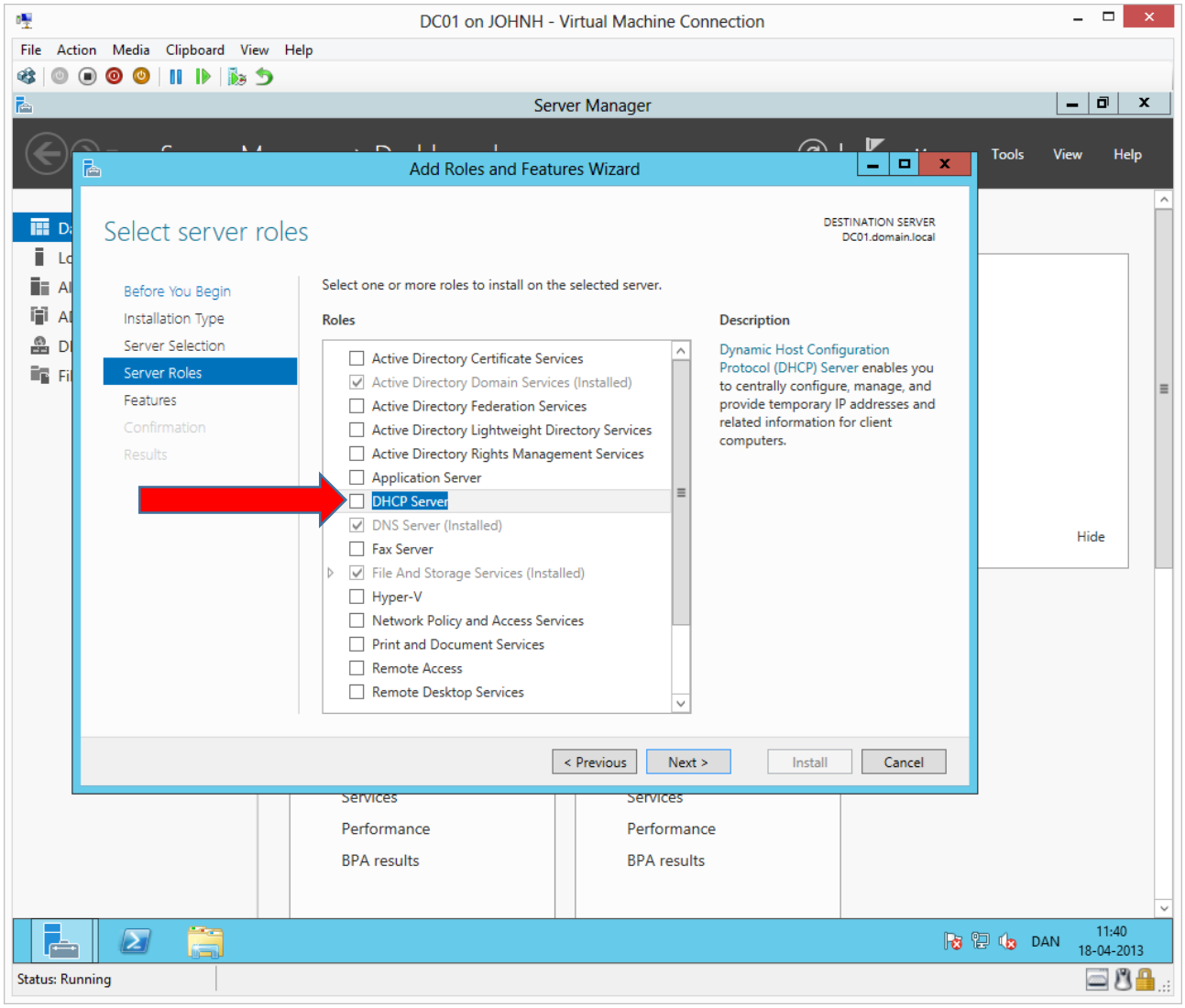

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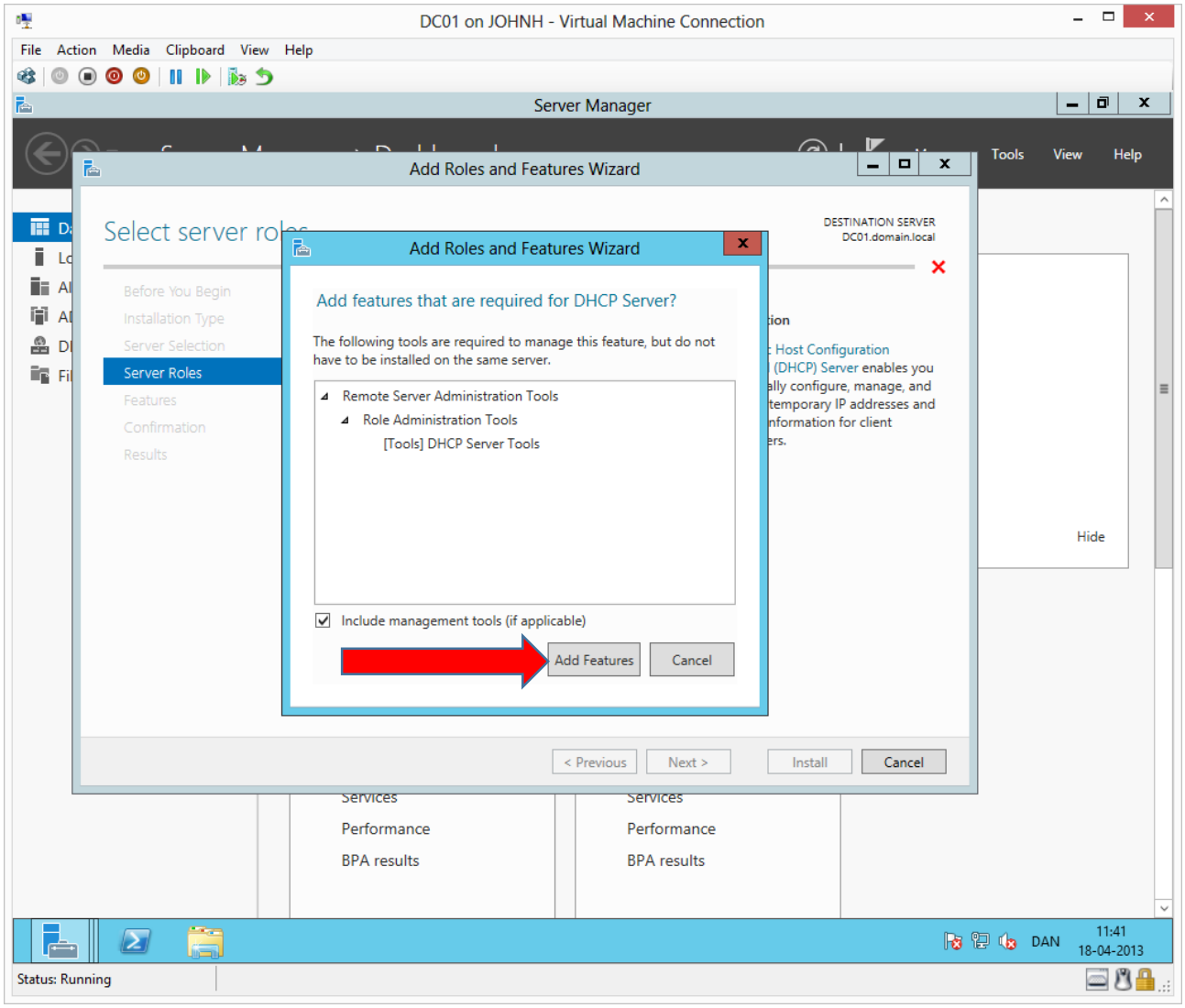

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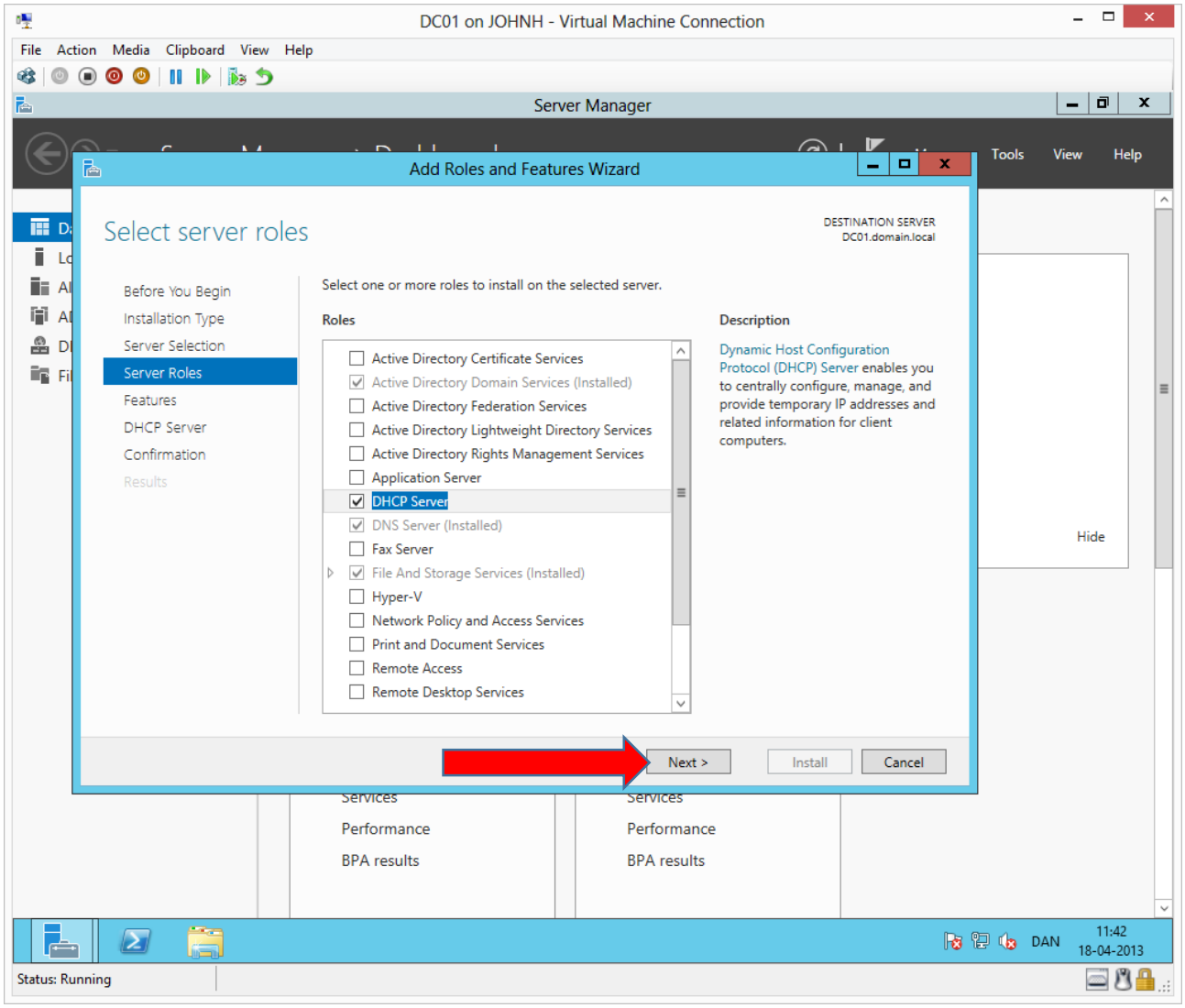

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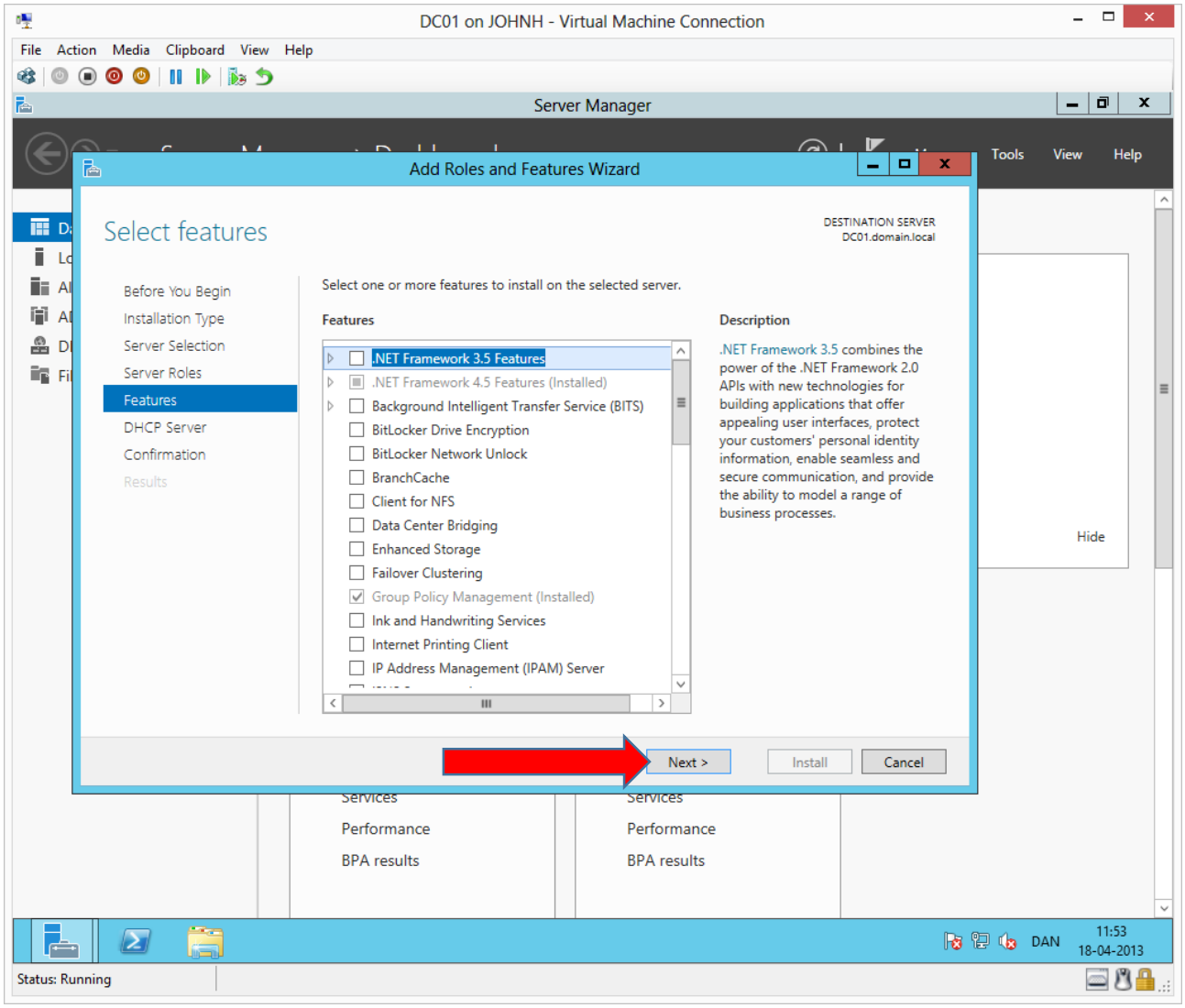

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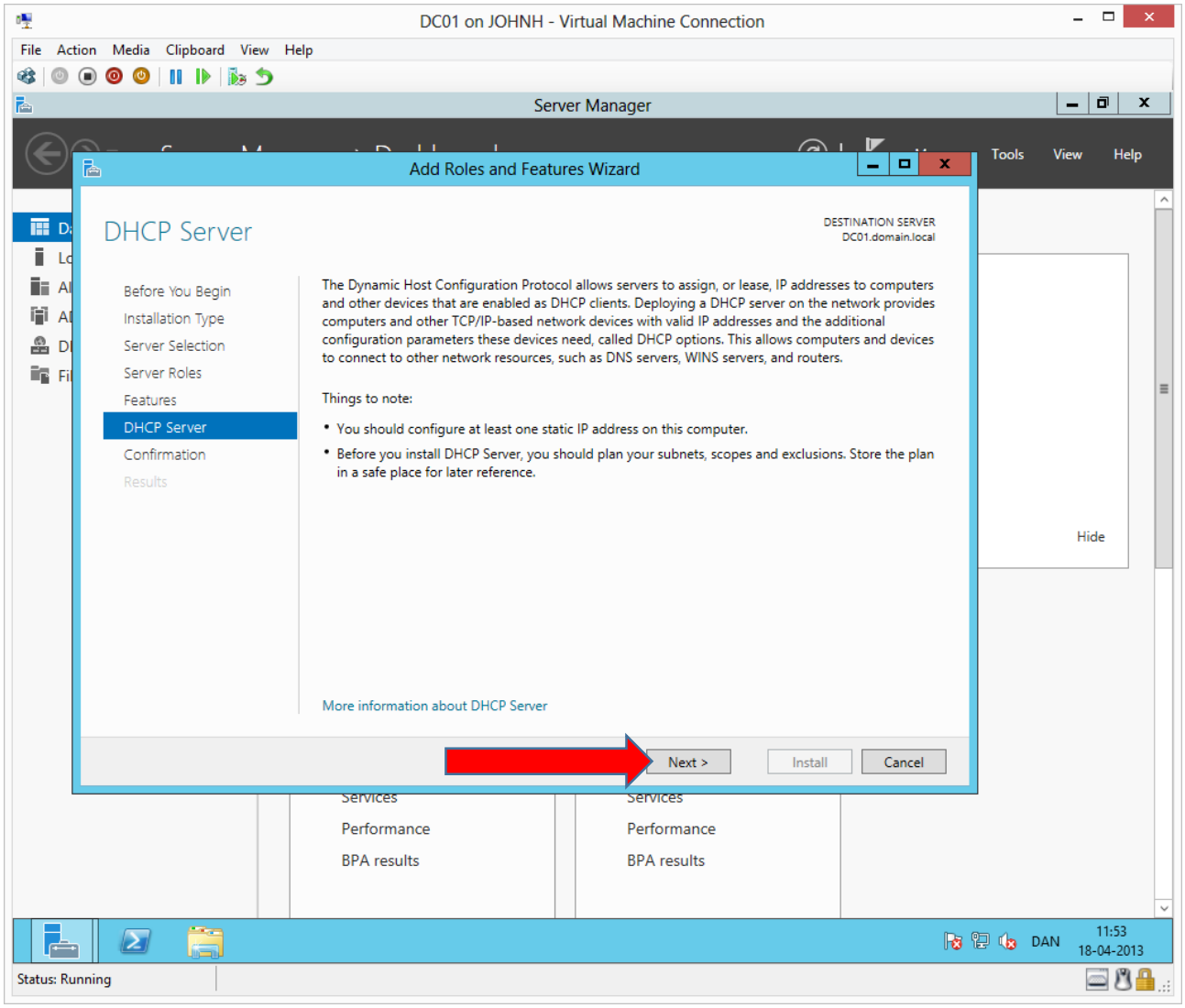

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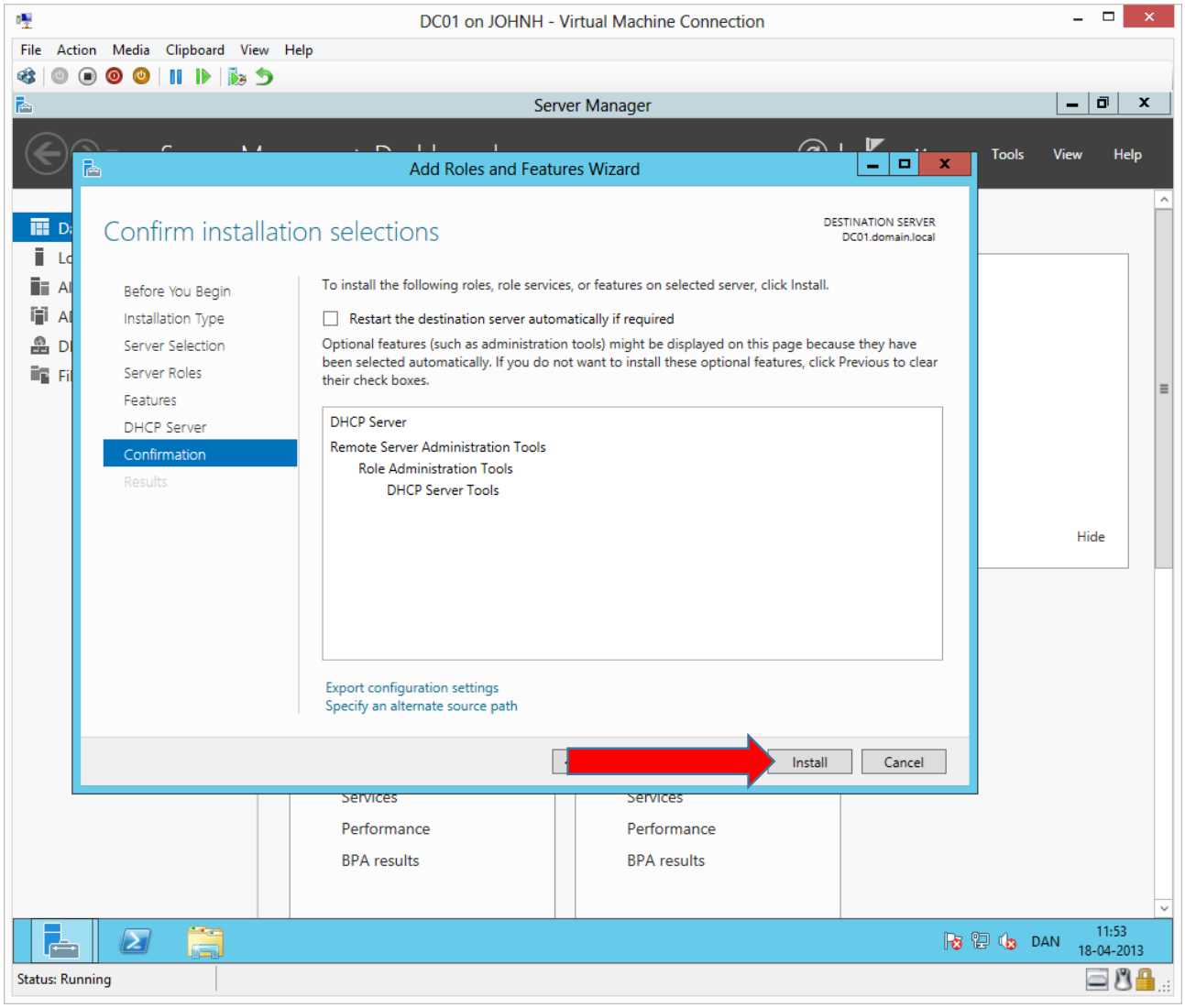

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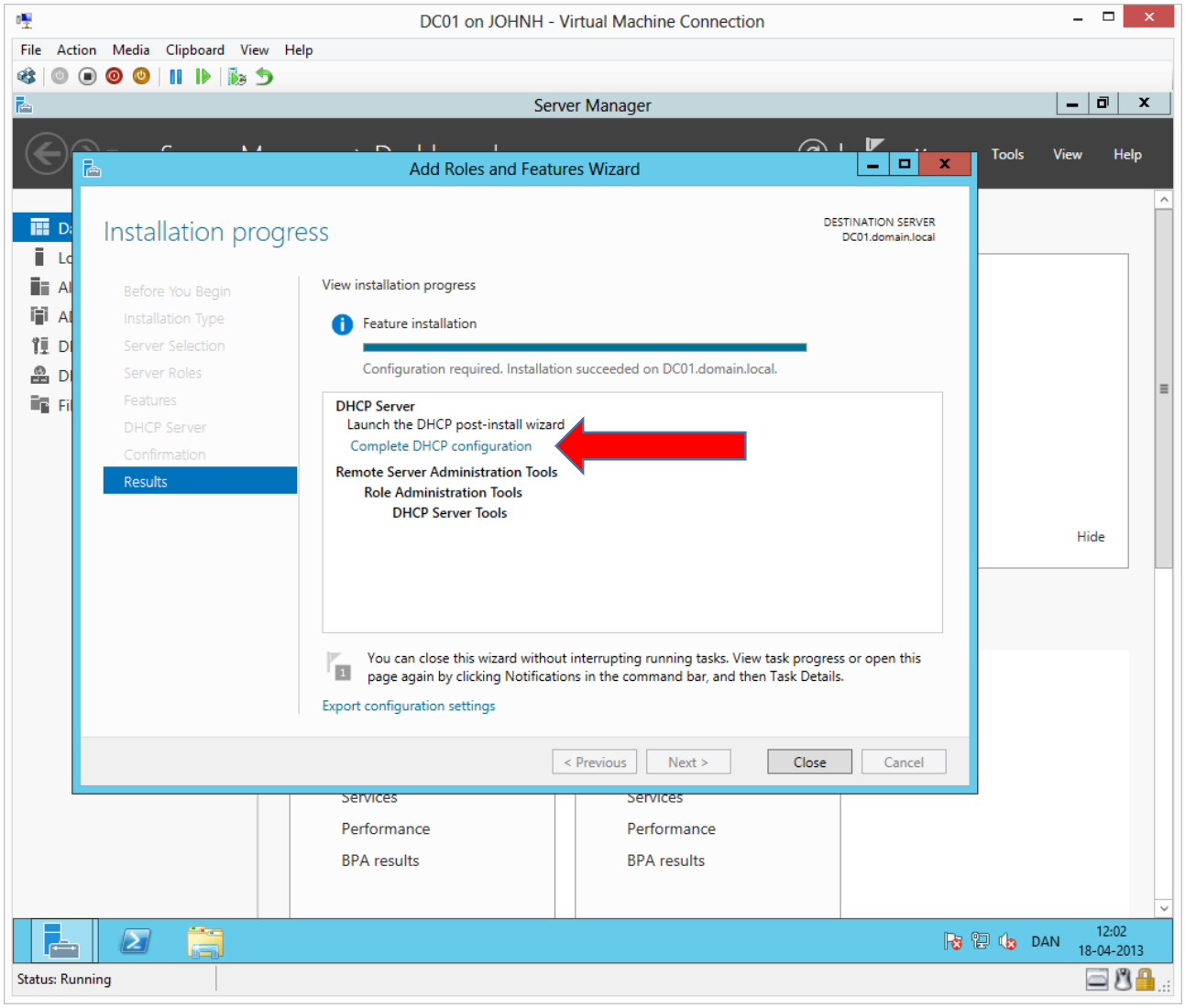

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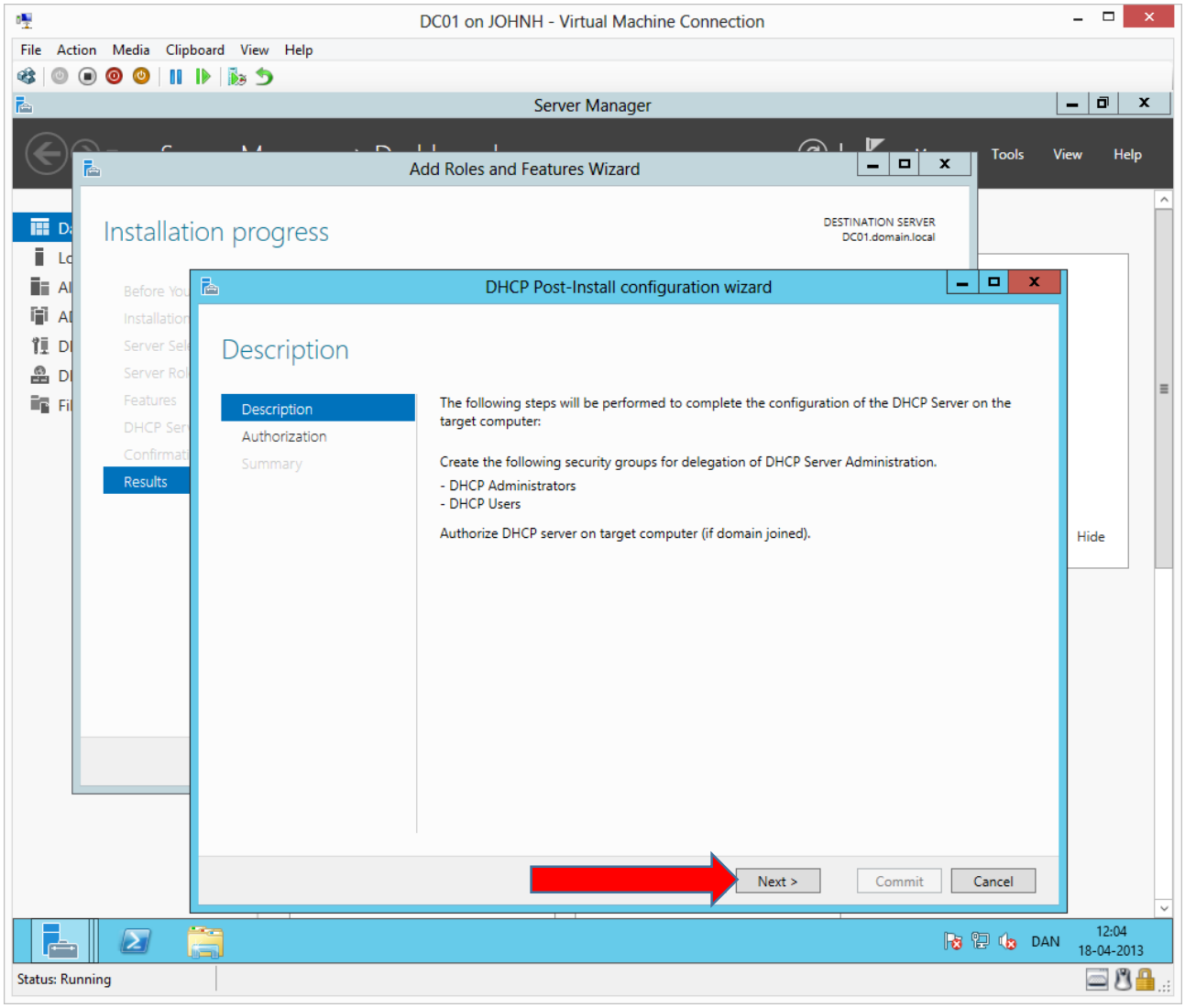

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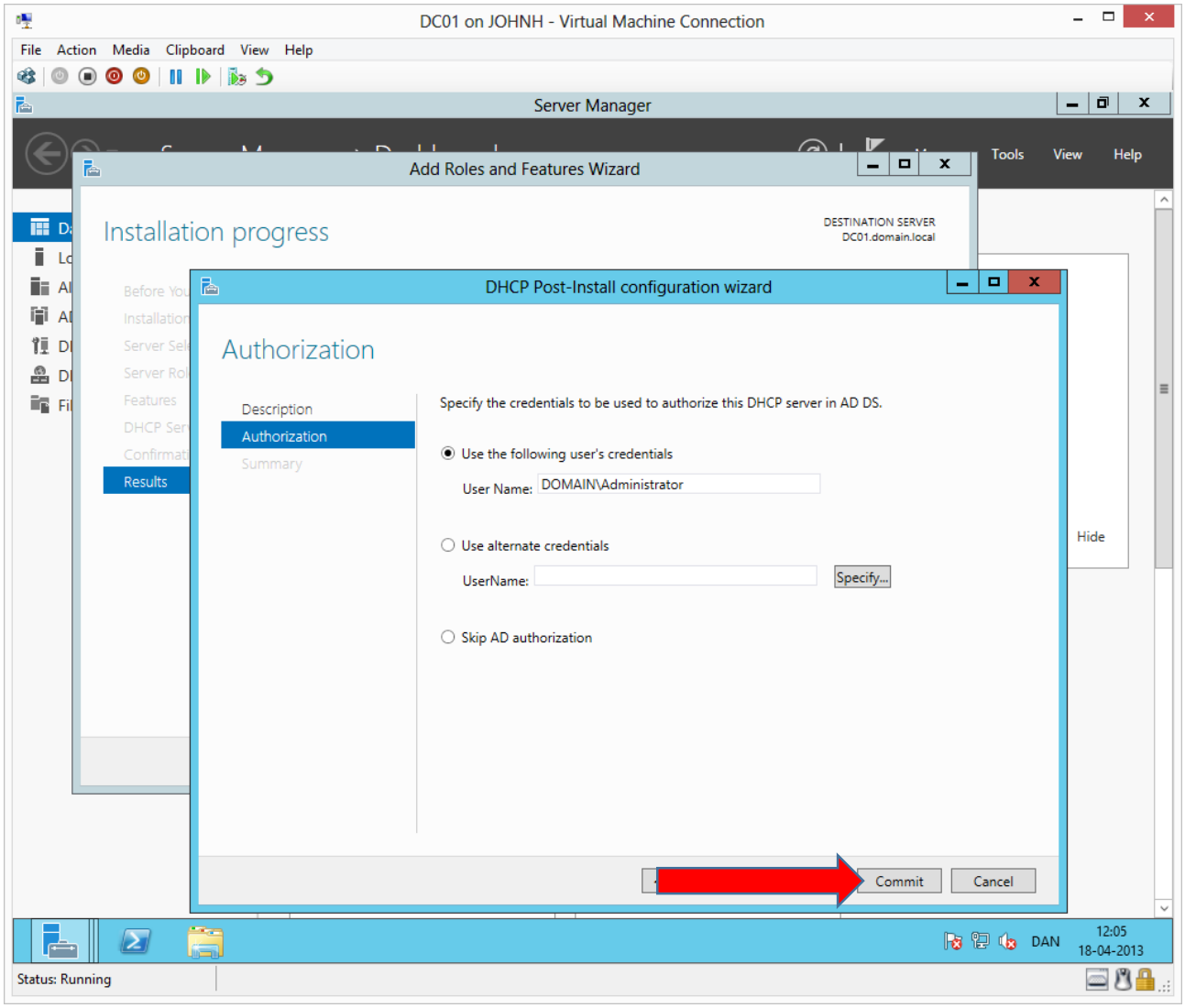

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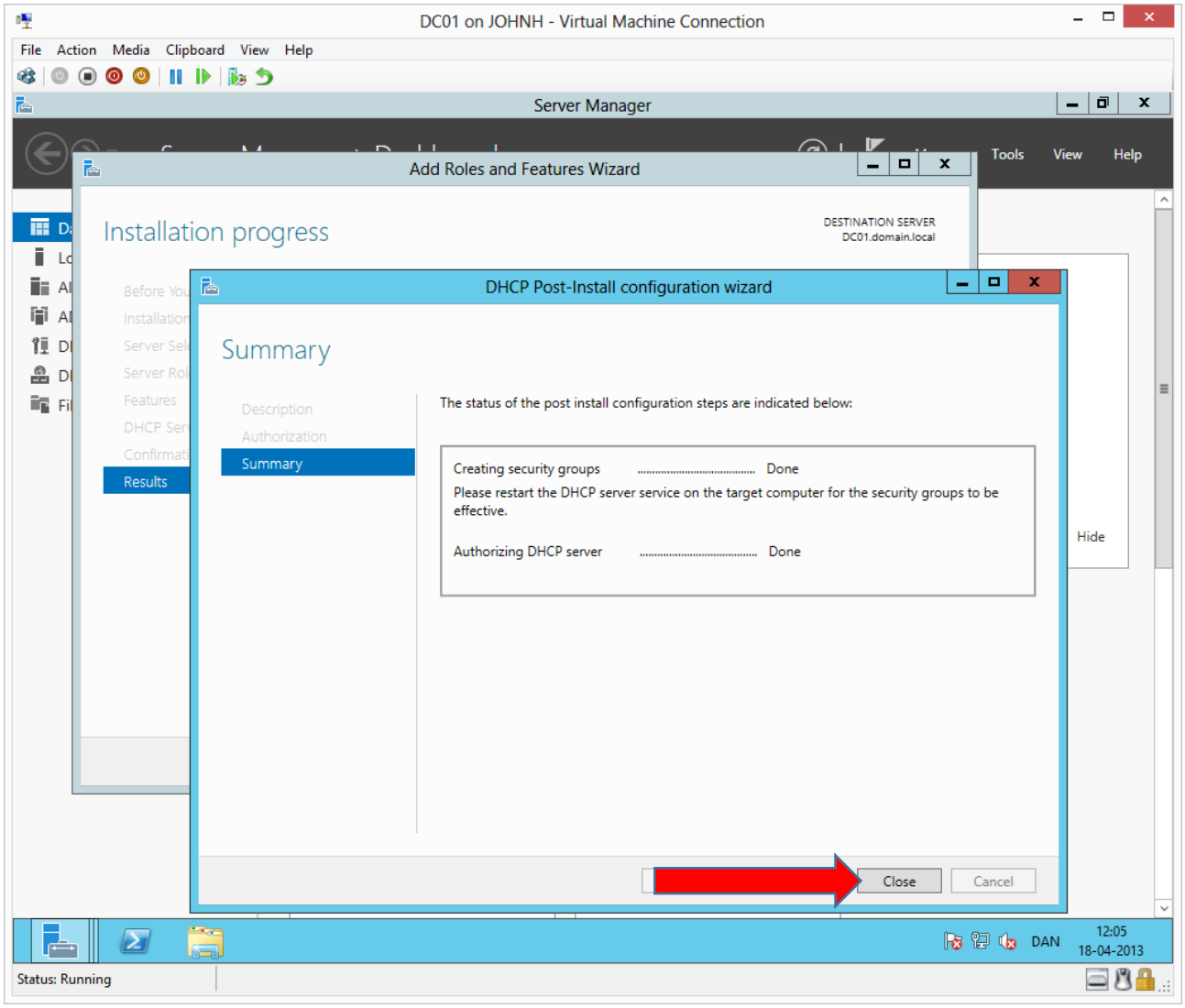

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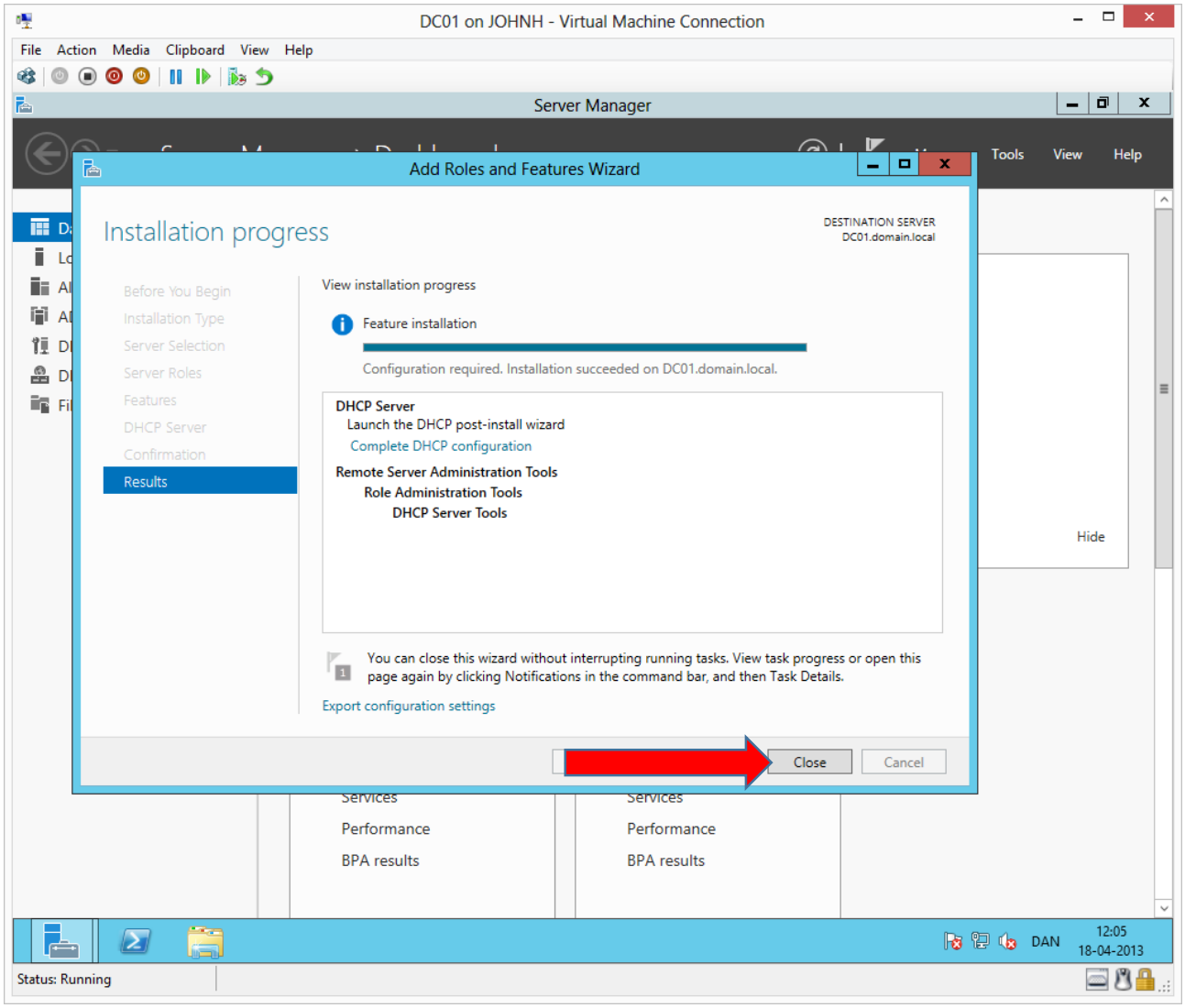

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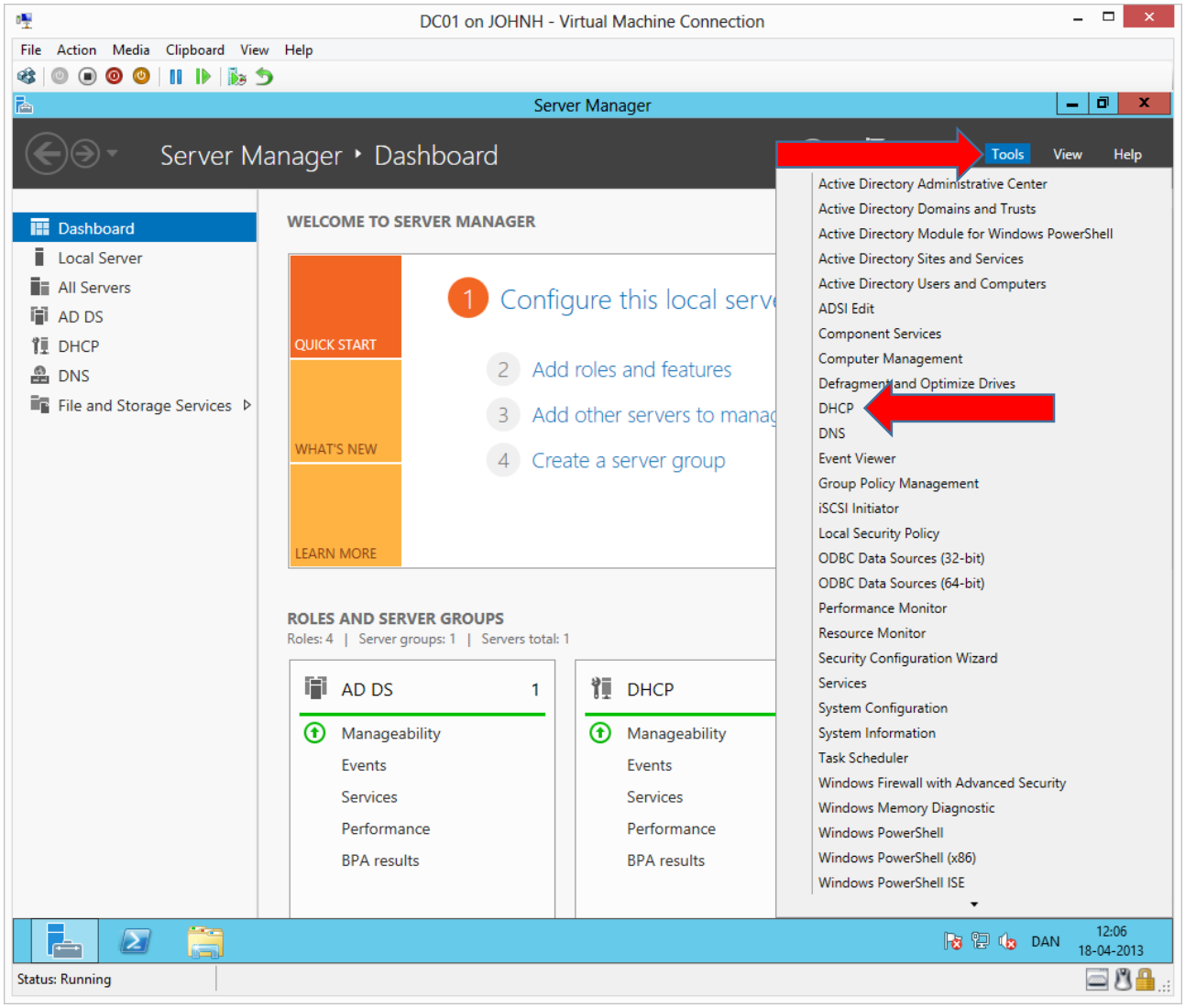

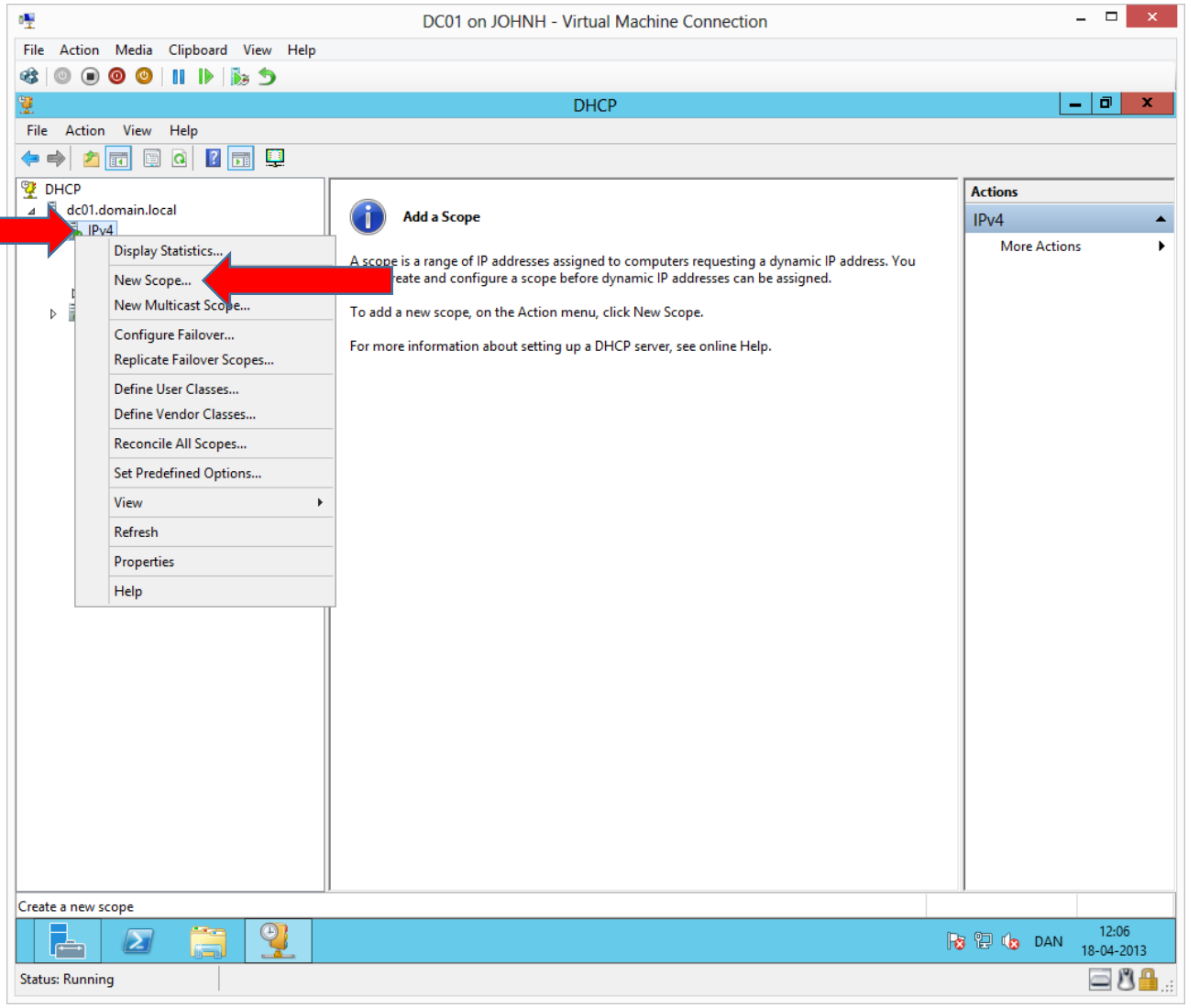

Right click on IPv4 and choose ”New Scope”

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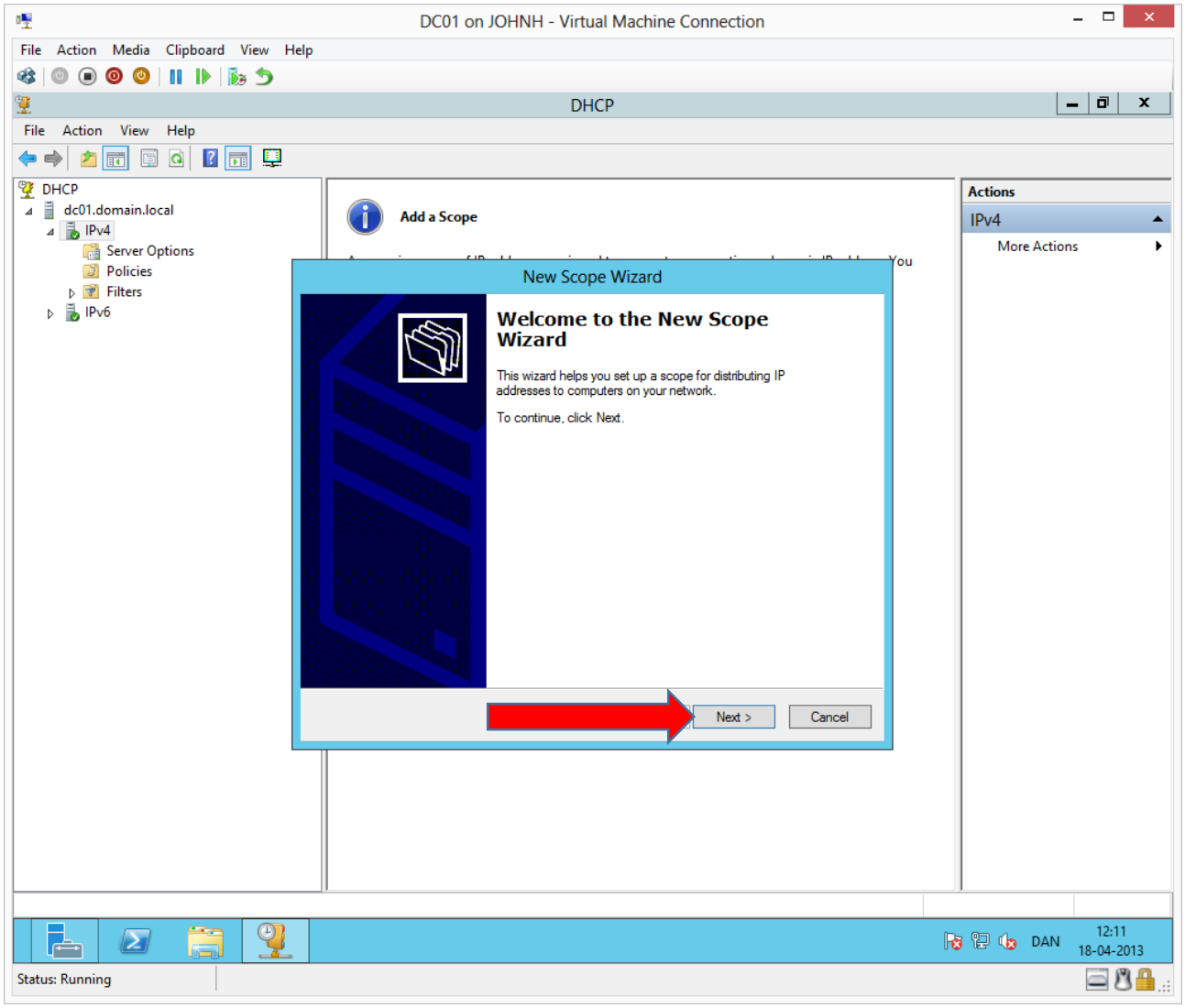

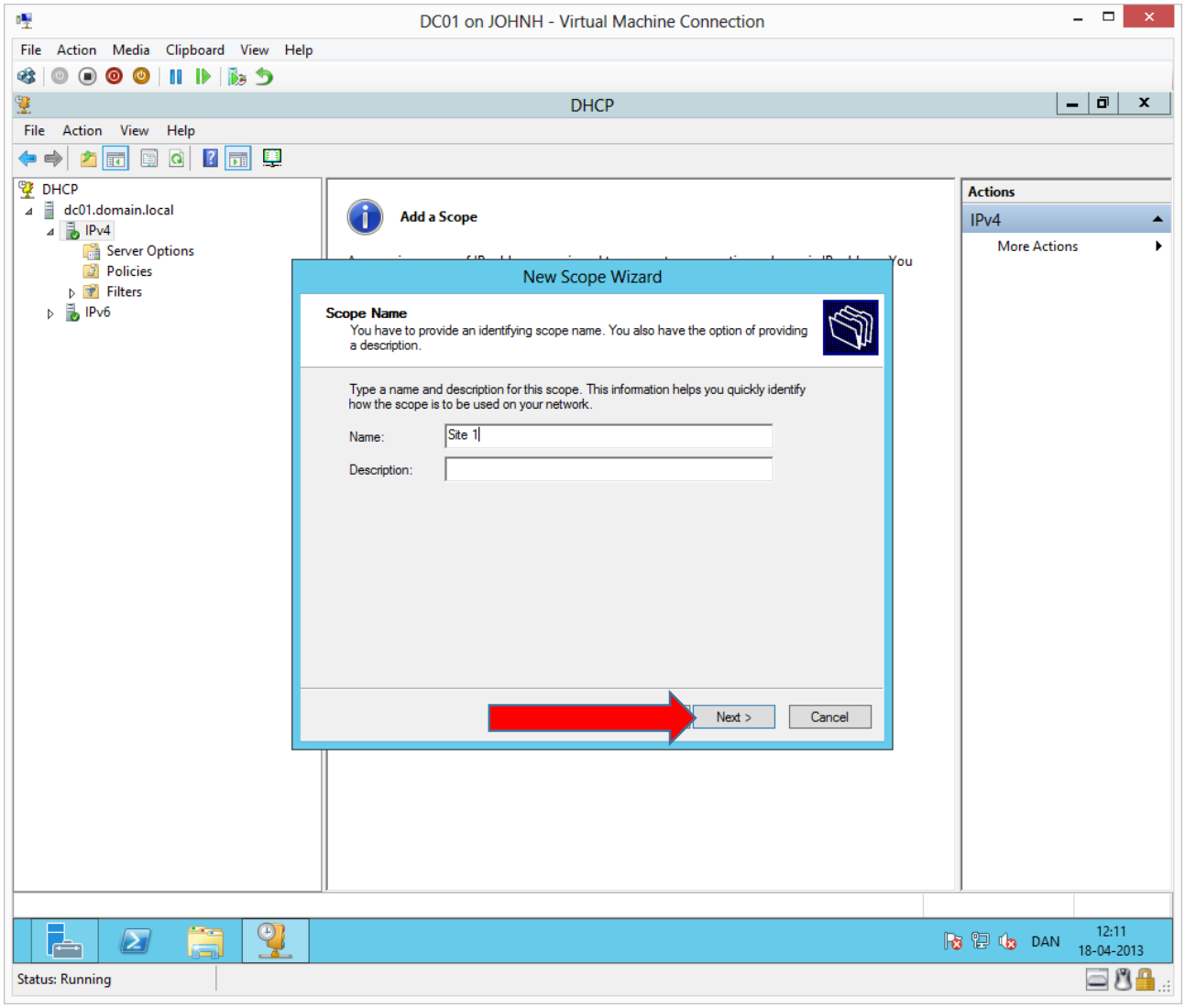

Complete as shown.

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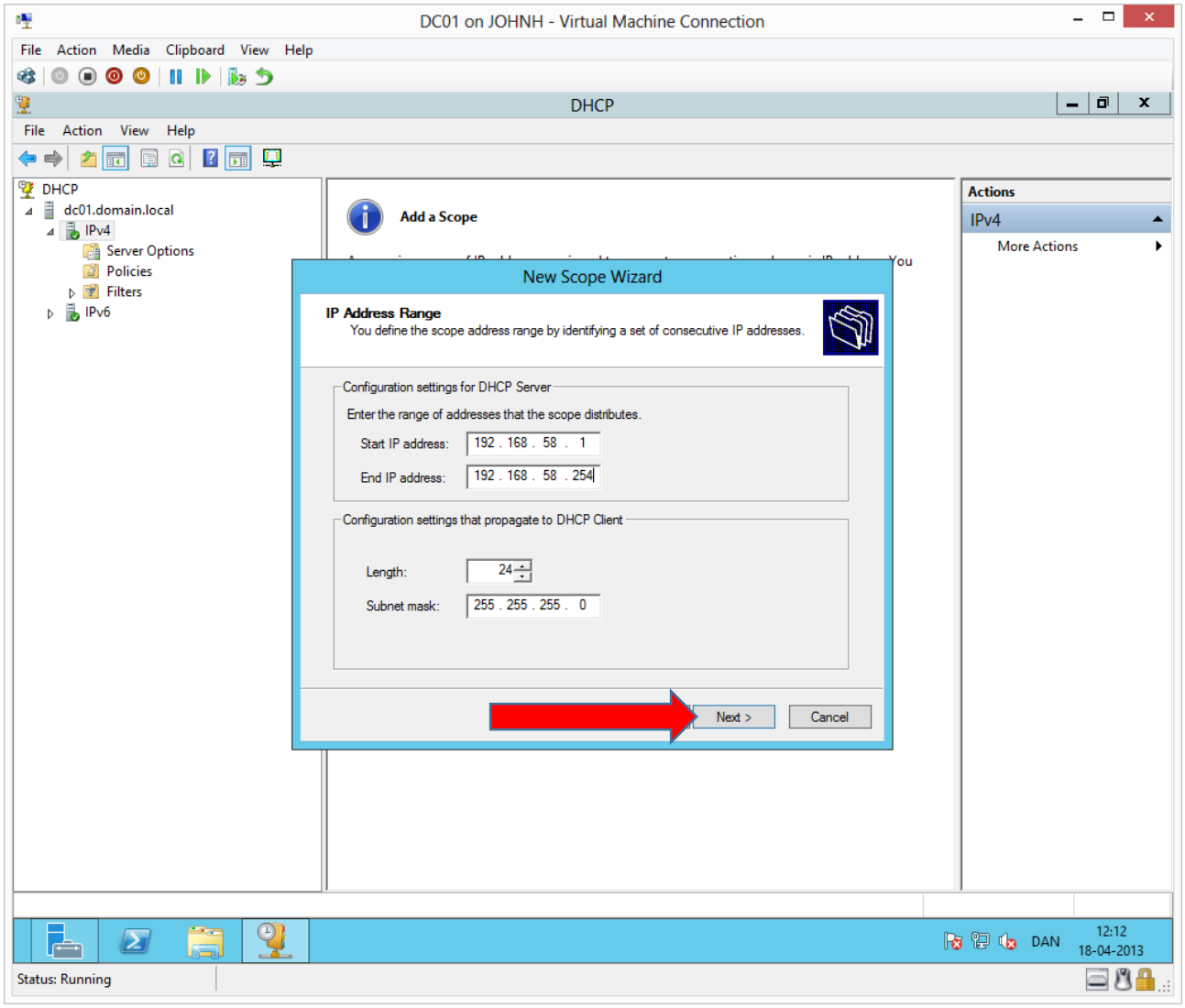

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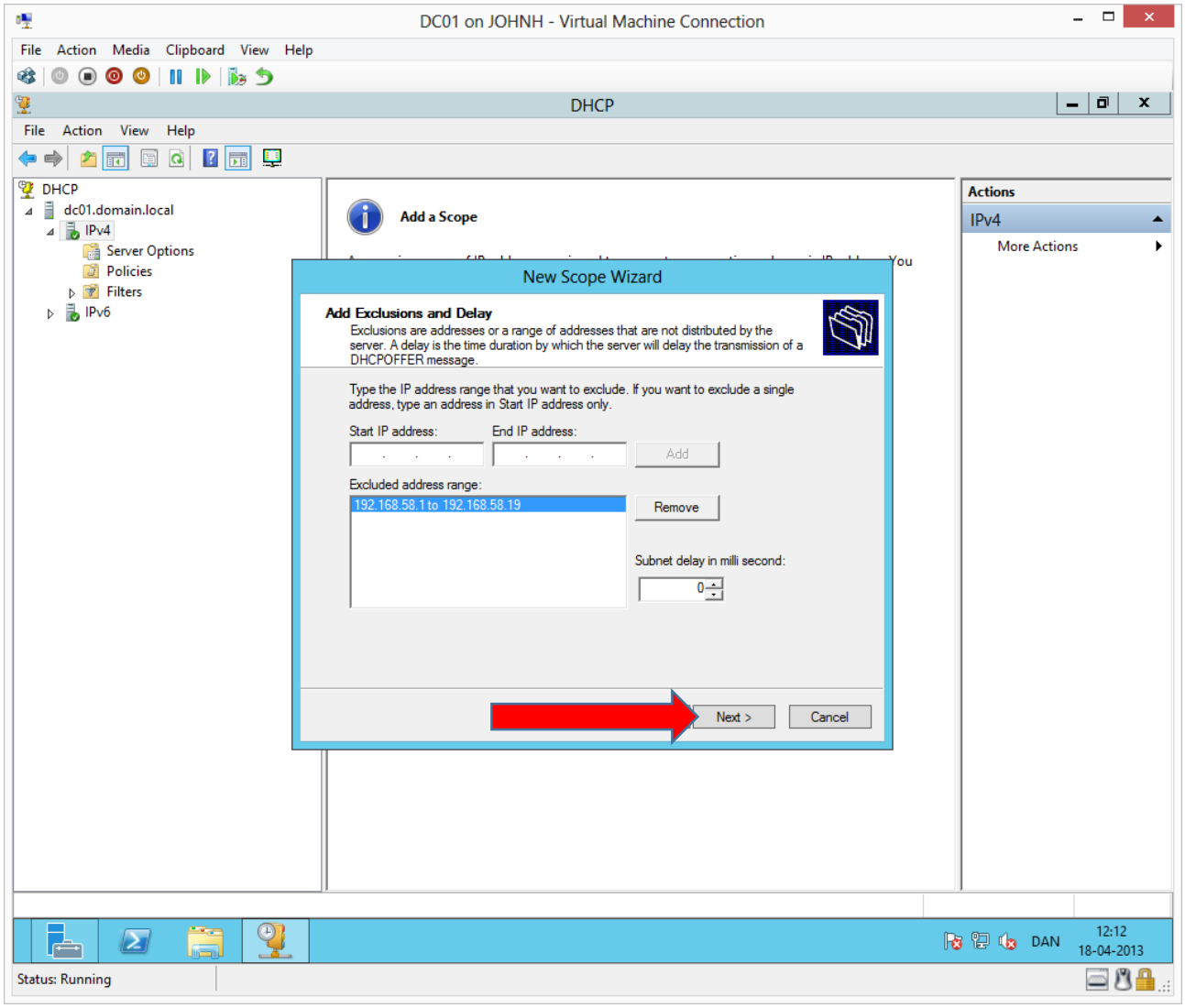

Complete as shown.

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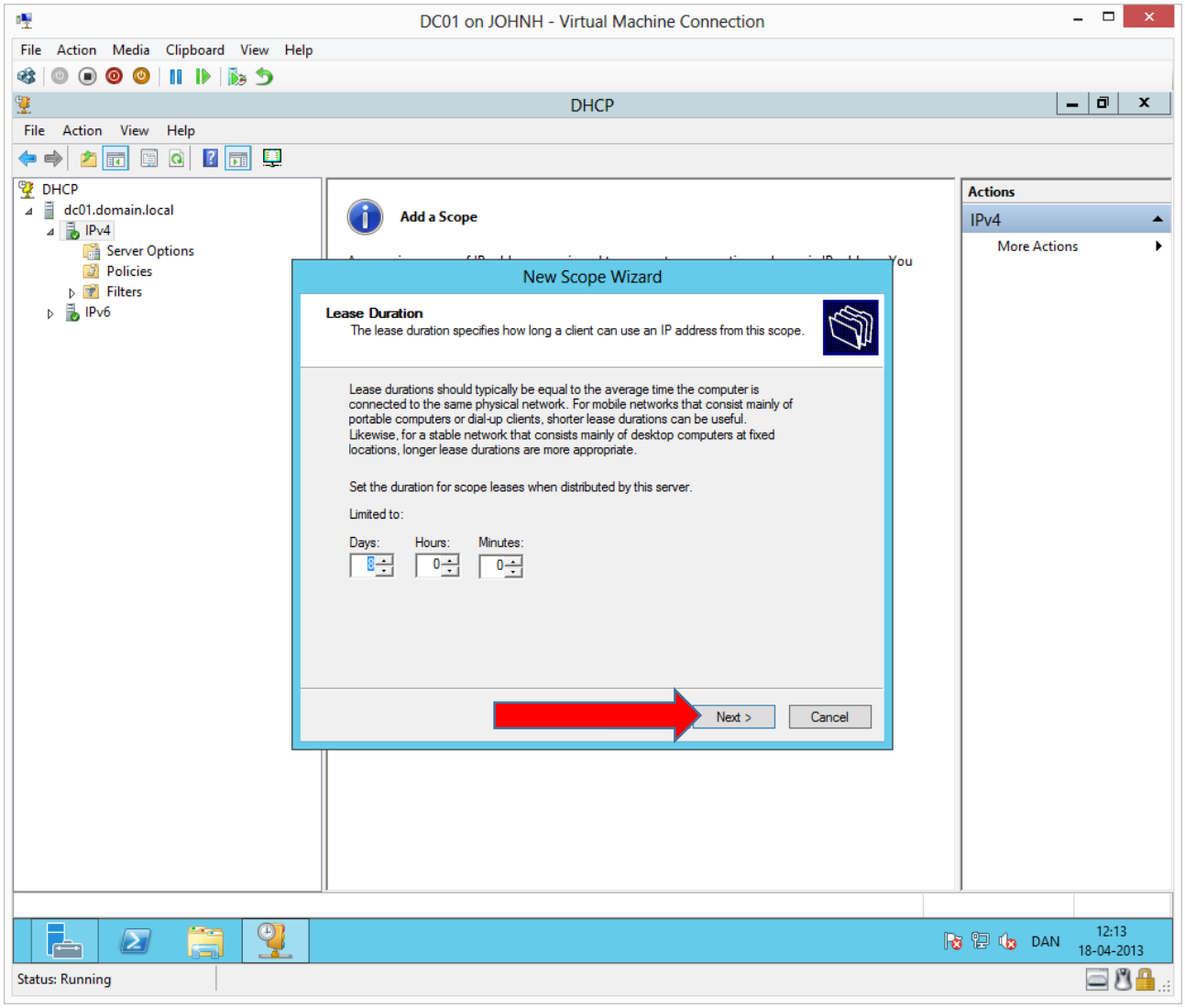

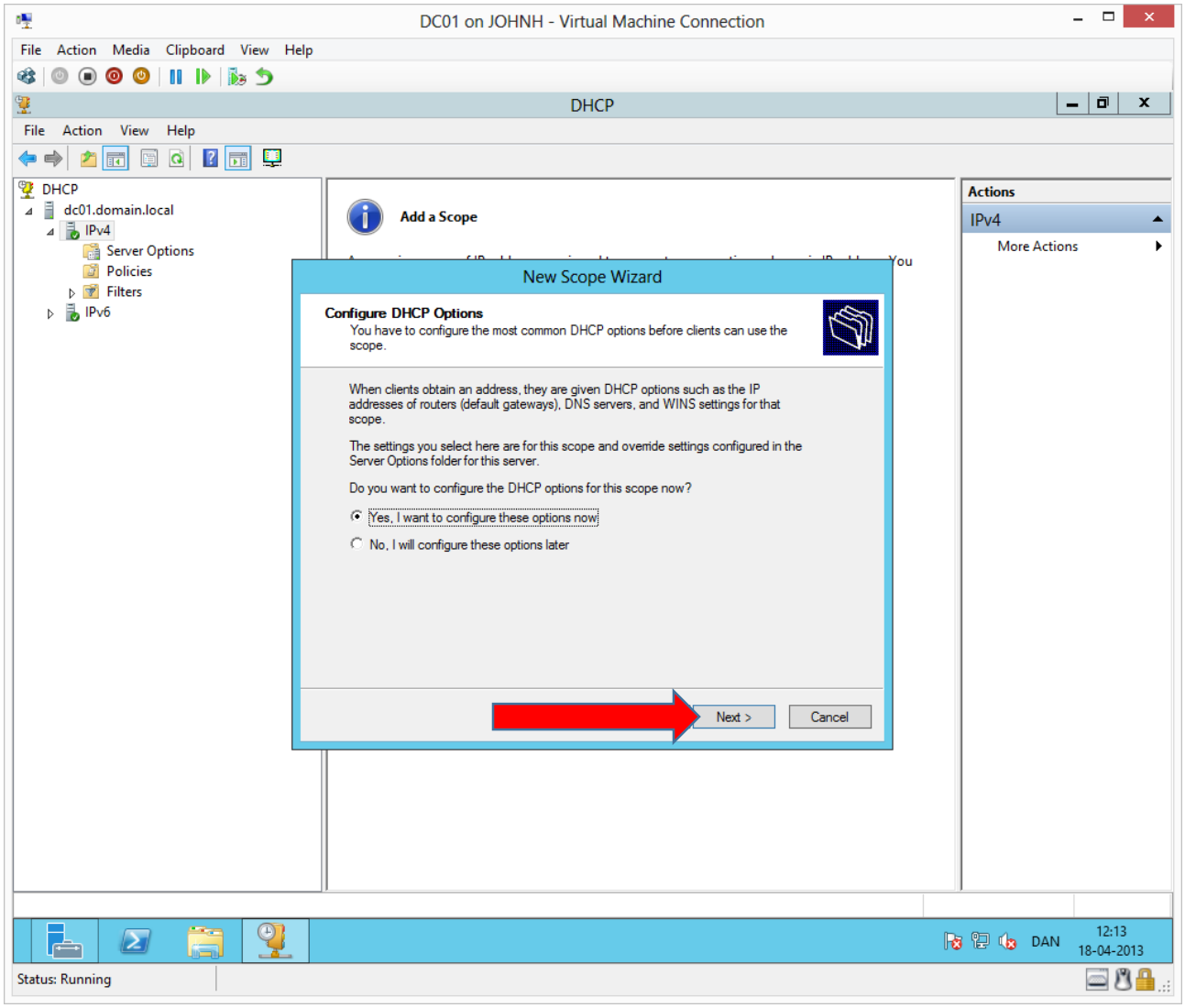
DC01 on JOHNH - Virtual Machine Connection
File Action Media Clipboard View Help
DHCP
File Action View Help
DHCP
dc01.domain.local
IPv4
Server Options
Policies
Filters
IPv6
Add a Scope
Actions
IPv4
More Actions
New Scope Wizard
Configure DHCP Options
You have to configure the most common DHCP options before clients can use the scope.
When clients obtain an address, they are given DHCP options such as the IP addresses of routers (default gateways), DNS servers, and WINS settings for that scope.
The settings you select here are for this scope and override settings configured in the Server Options folder for this server.
Do you want to configure the DHCP options for this scope now?
Yes, I want to configure these options now
No, I will configure these options later
Next >
Cancel
DAN
12:13
18-04-2013
Status: Running

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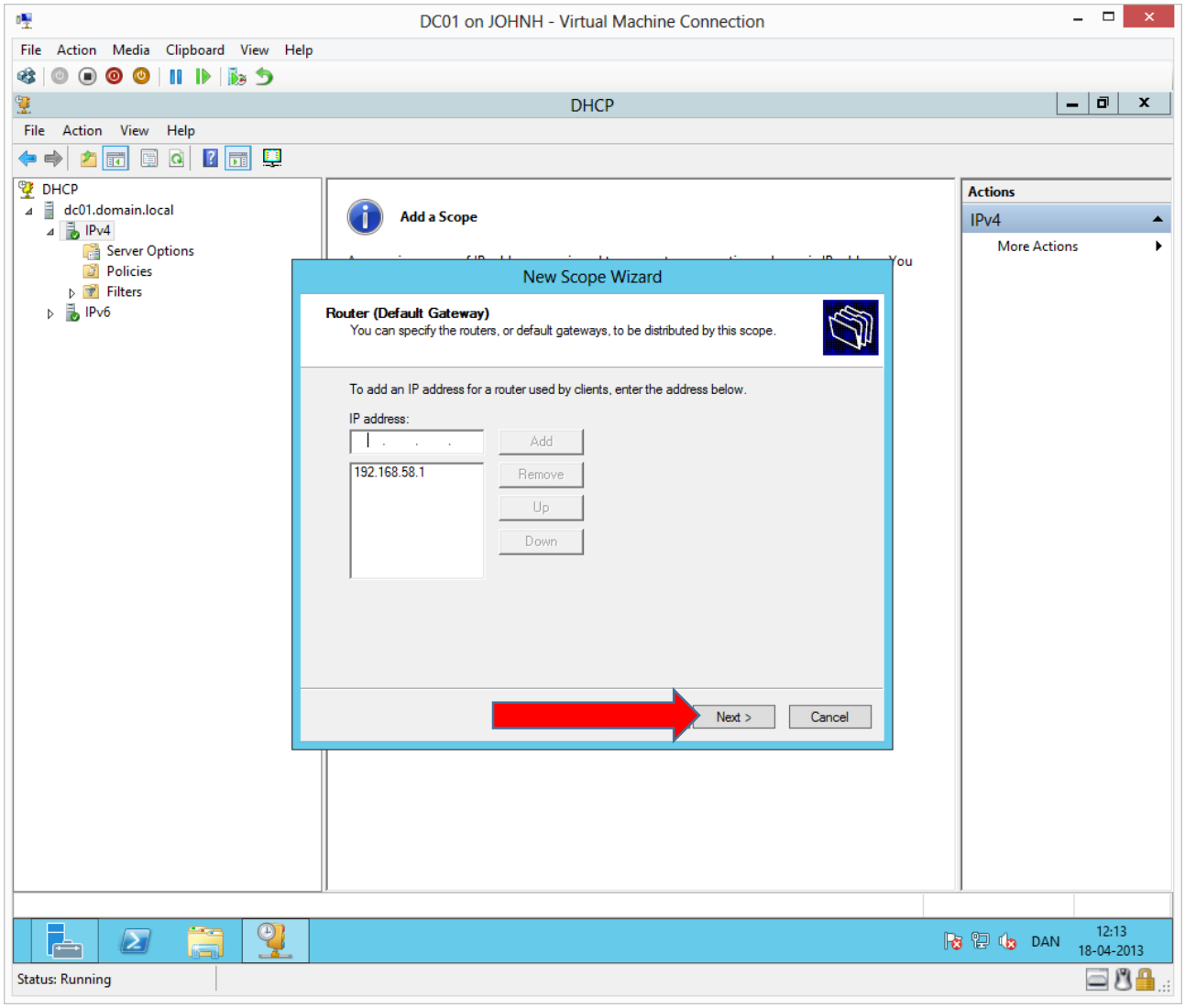

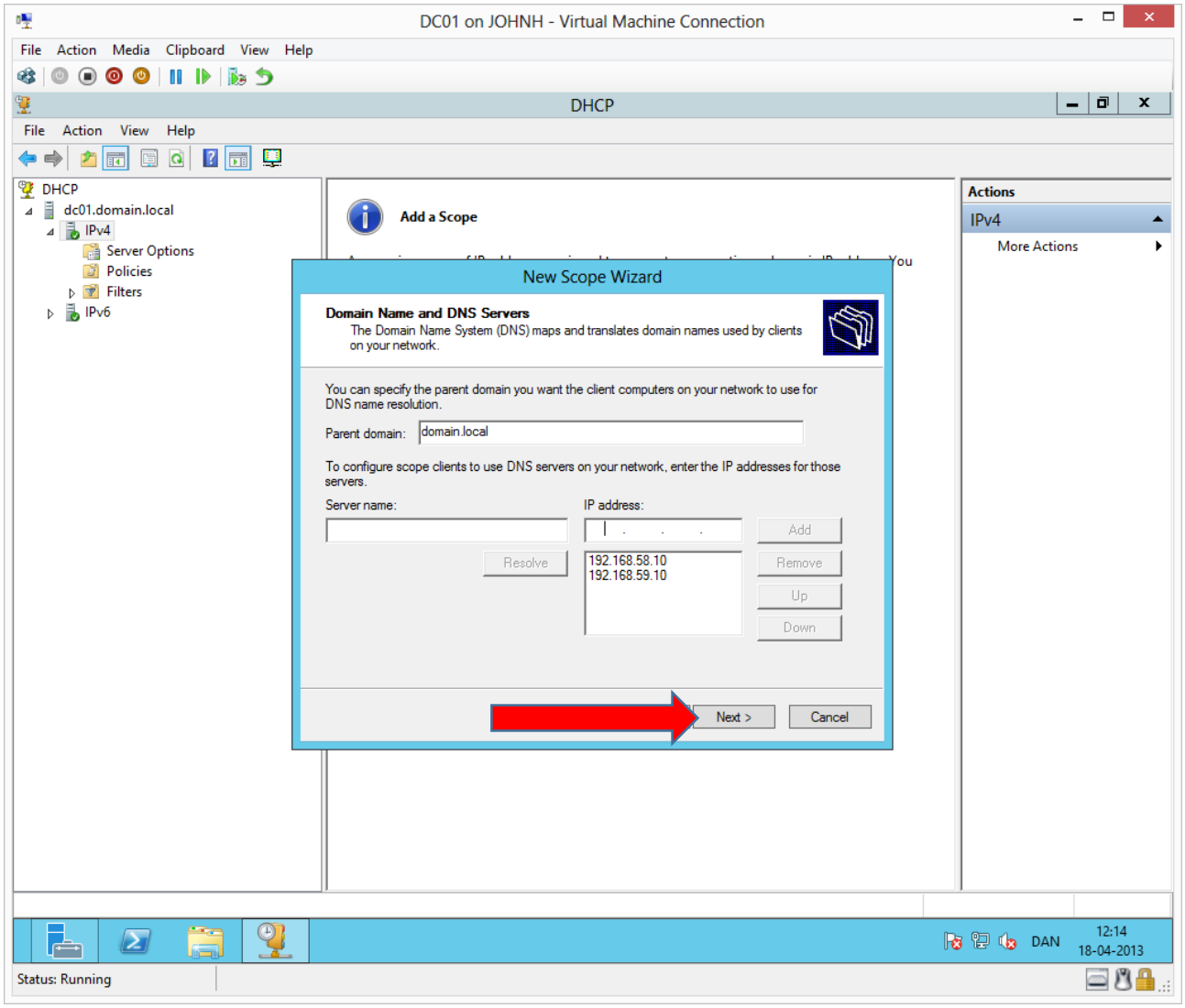

Complete as shown. Press ”OK” at error message about the secondary DNS.

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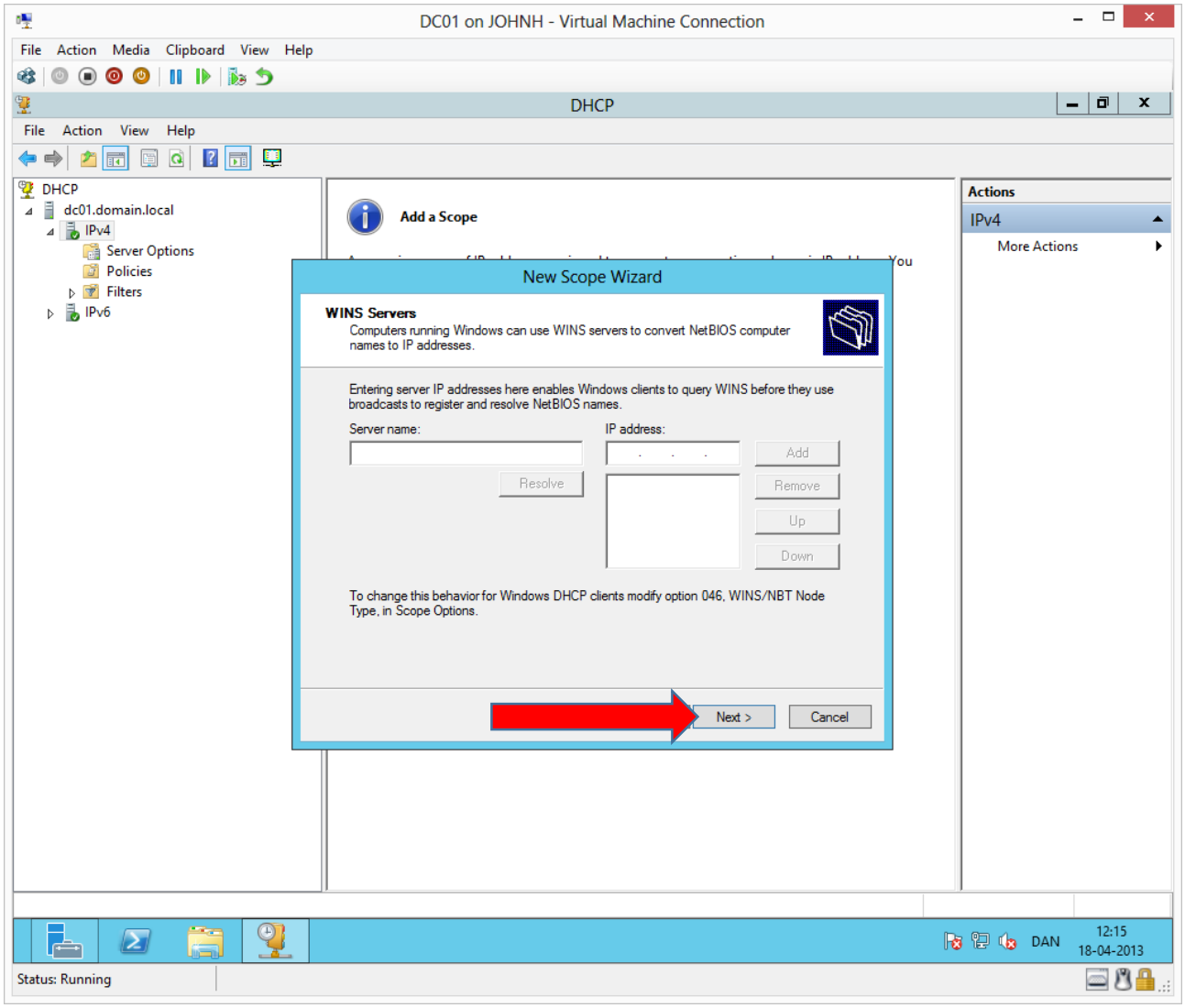

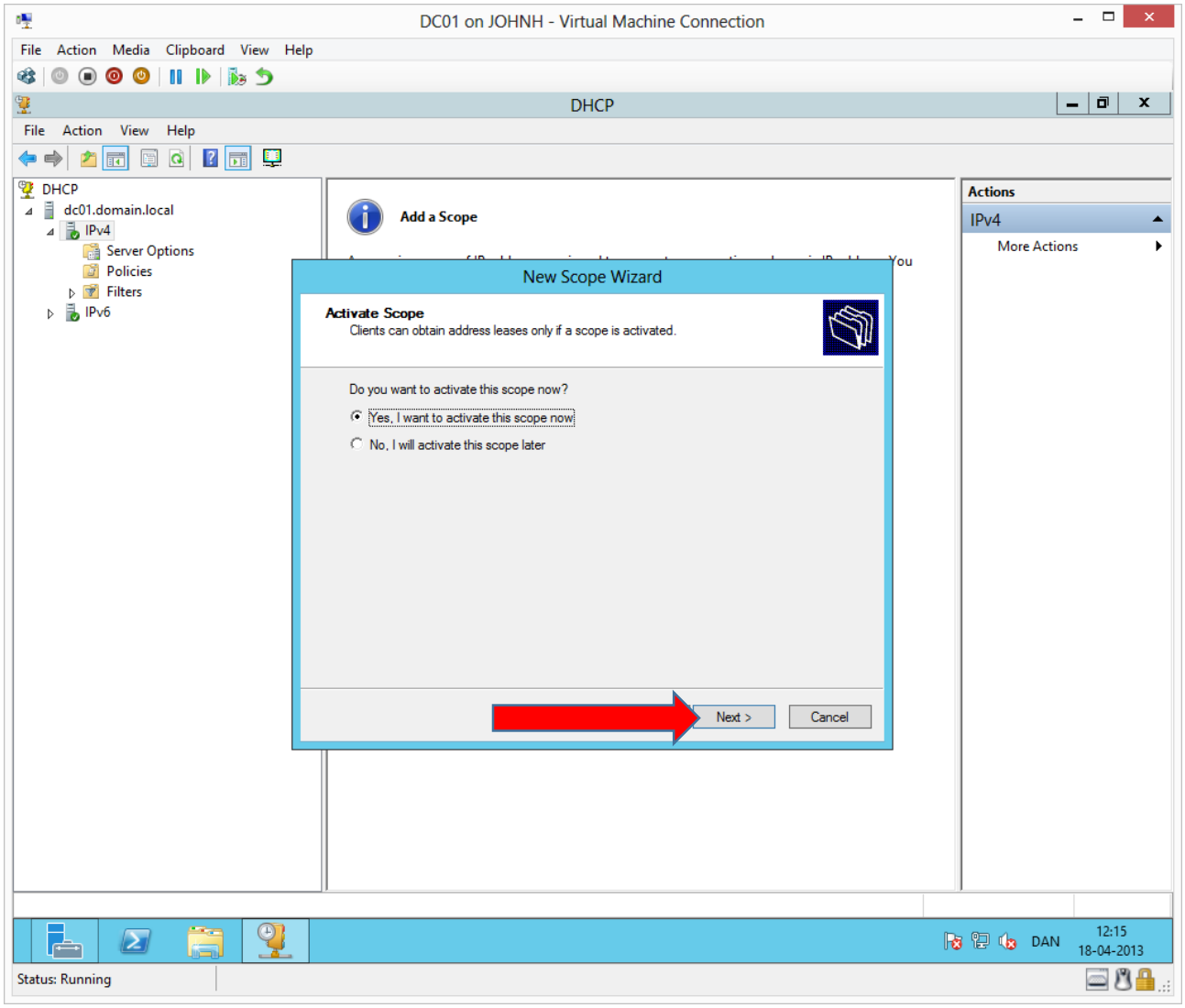
DC01 on JOHNH - Virtual Machine Connection
File Action Media Clipboard View Help
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DHCP
dc01.domain.local
IPv4
Server Options
Policies
Filters
IPv6
Add a Scope
Actions
IPv4
More Actions
New Scope Wizard
Activate Scope
Clients can obtain address leases only if a scope is activated.
Do you want to activate this scope now?
Yes, I want to activate this scope now
No, I will activate this scope later
Next >
Cancel
DAN
12:15
18-04-2013
Status: Running

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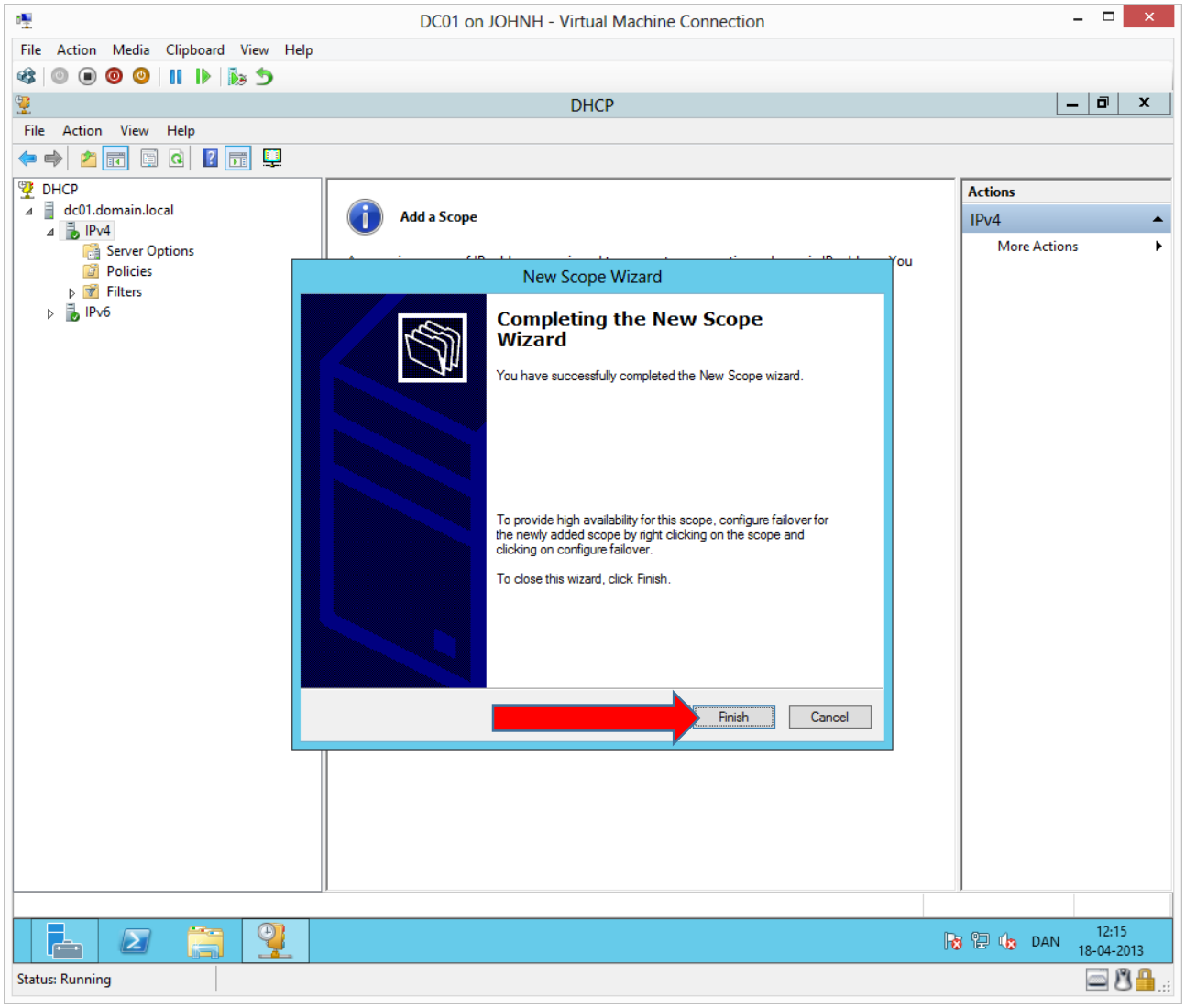
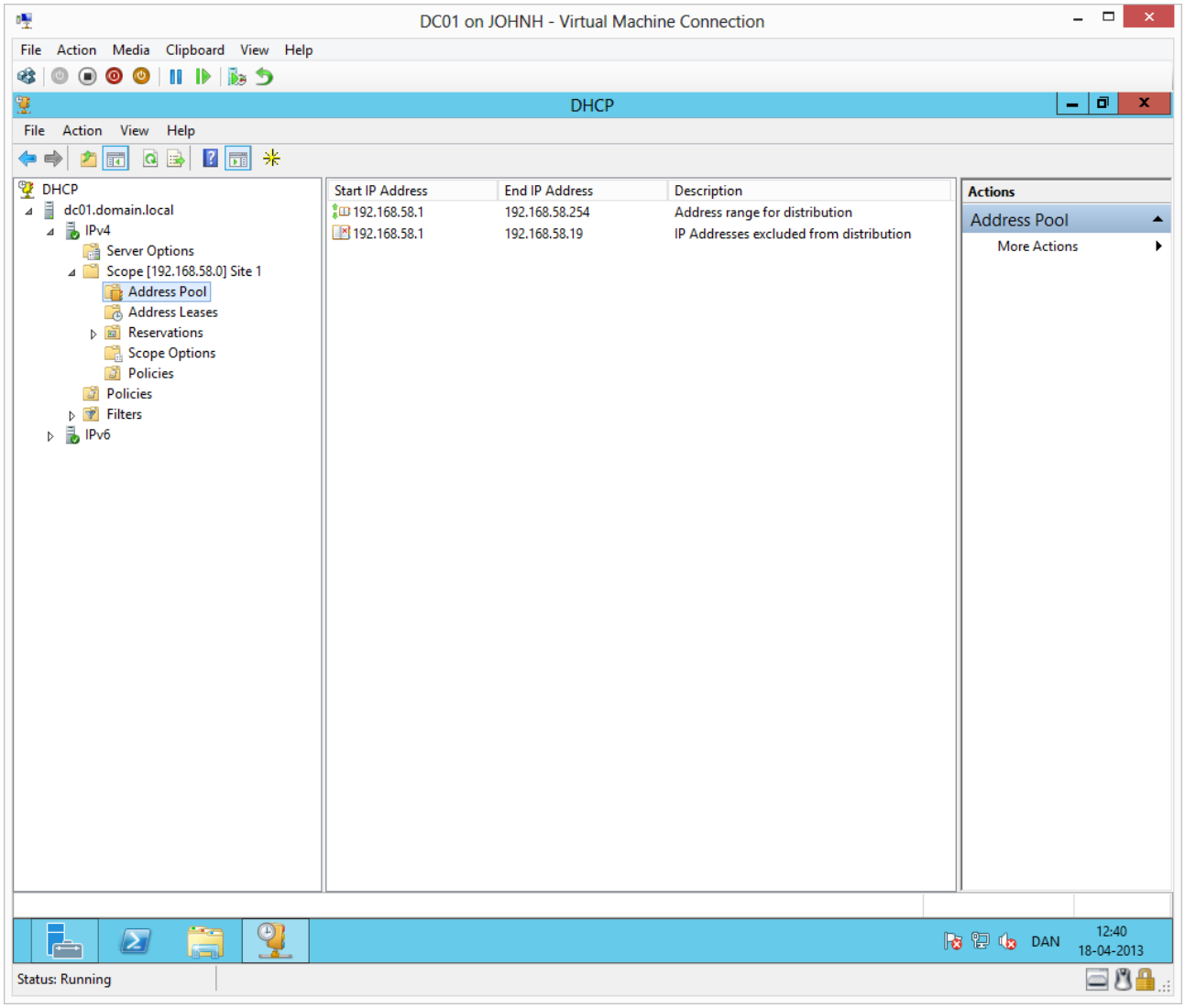
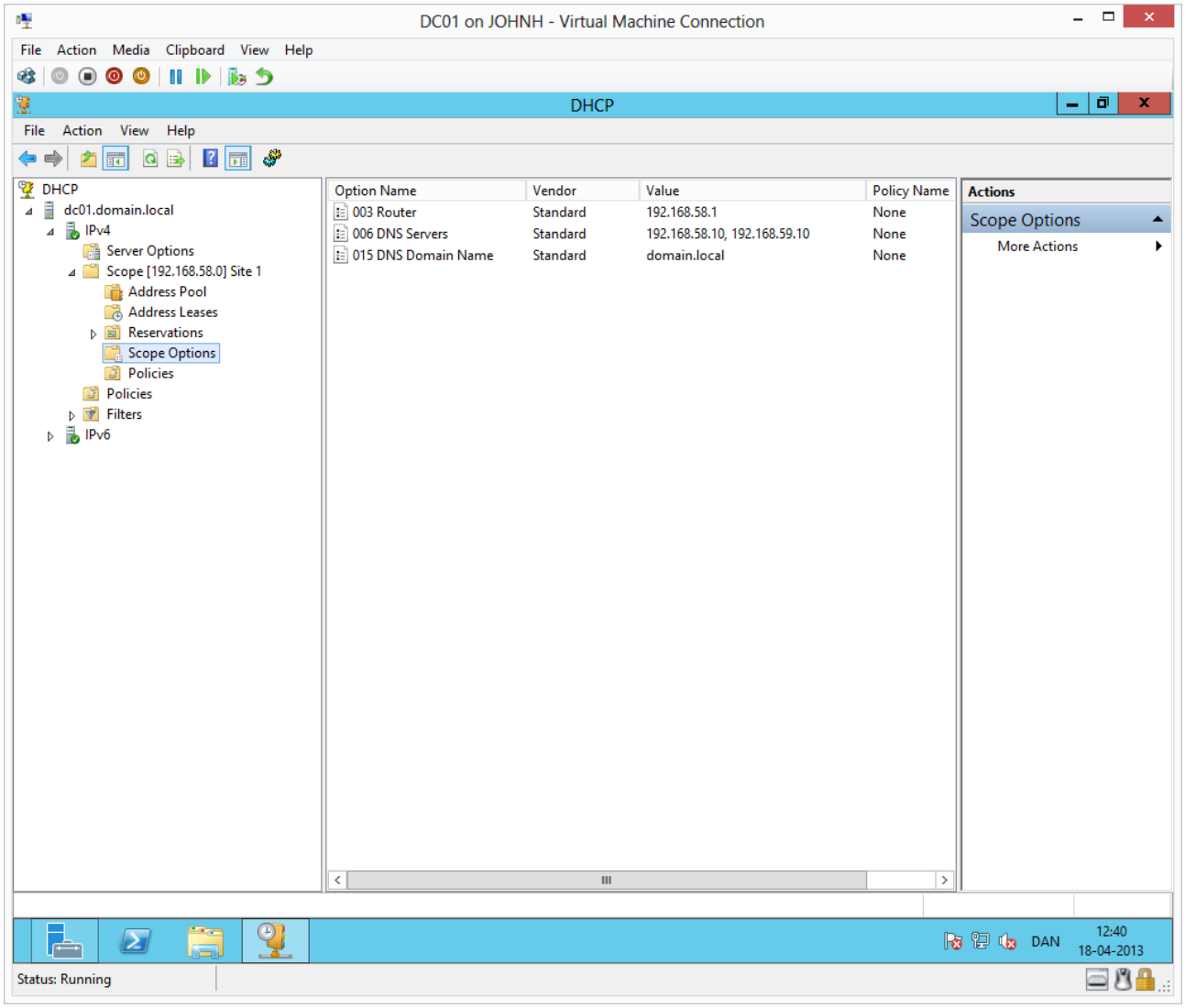




Verify the server configuration.



Verify the server configuration.