

CST8242

Network Operating Systems III

Lab-04

Exchange Server 2019 Installation

ARUN SABU

MANI0062@ALGONQUINLIVE.COM

SERVER93005 Windows Server 2019

172.16.93.5

Student ID: 040961617

Lab04_01

The screenshot shows the Windows DNS Manager application. The left pane displays the hierarchy: DNS > SERVER93005 > Reverse Lookup Zones > 16.172.in-addr.arpa. The right pane shows a list of PTR records for this zone.

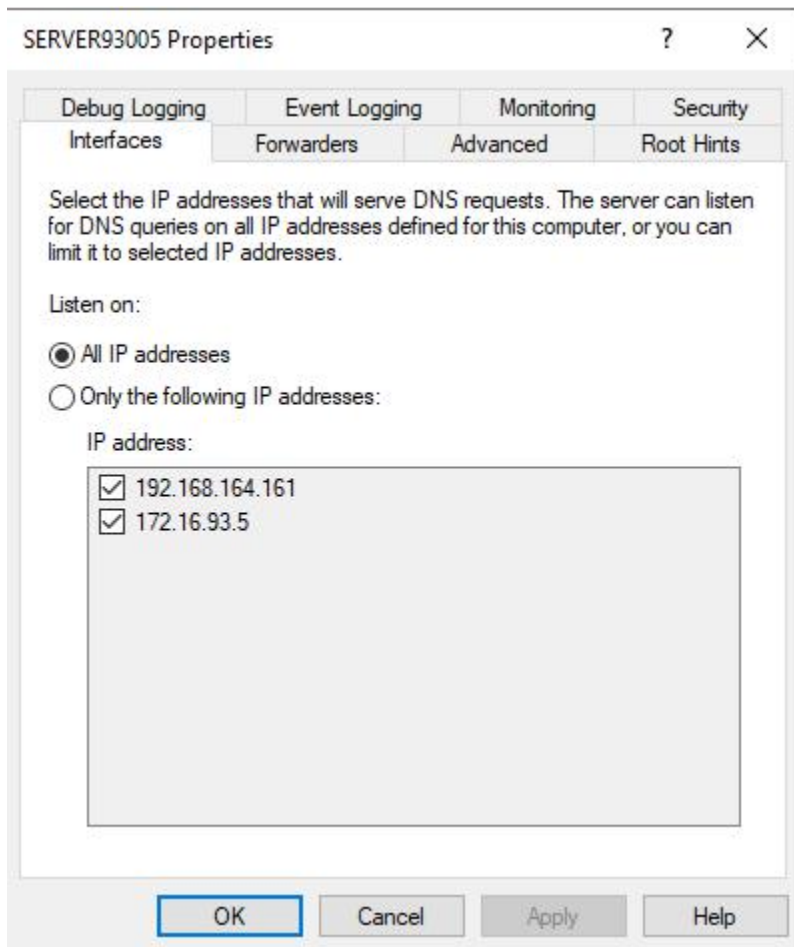
Name	Type	Data	Timestamp
(same as parent folder)	Start of Authority (SOA)	[5], server93005.dm93005....	static
(same as parent folder)	Name Server (NS)	server93005.dm93005.cst8...	static
172.16.89.253	Pointer (PTR)	Server89253.cst8242.com.	static
172.16.94.1	Pointer (PTR)	Server94001.dm94001.cst8...	
172.16.94.9	Pointer (PTR)	Server94009.dm94009.cst8...	
172.16.89.253	Pointer (PTR)	mail.cst8242.com	

Lab04_02

The screenshot shows the Windows DNS Manager application. The left-hand pane displays the DNS hierarchy for the SERVER93005 server. Under 'Forward Lookup Zones', the zone 'dm93005.cst8242.cor' is selected. The right-hand pane shows the records for this zone in a table format.

Name	Type	Data	Timestamp
_msdcs			
_sites			
_tcp			
_udp			
DomainDnsZones			
ForestDnsZones			
(same as parent folder)	Start of Authority (SOA)	[539], server93005.dm9300...	static
(same as parent folder)	Name Server (NS)	server93005.dm93005.cst8...	static
(same as parent folder)	Host (A)	172.16.94.9	2020-10-0
(same as parent folder)	Host (A)	192.168.164.161	2020-10-0
server93005	Host (A)	172.16.94.9	static
server93005	Host (A)	192.168.164.161	static
mail	Host (A)	172.16.94.9	
(same as parent folder)	Mail Exchanger (MX)	[10] mail.dm93005.cst824...	
autodiscover	Alias (CNAME)	mail.dm93005.cst8242.com	

Lab04_03



Lab04_04

SERVER93005 Properties ? X

Debug Logging Event Logging Monitoring Security
Interfaces Forwarders Advanced Root Hints

Forwarders are DNS servers that this server can use to resolve DNS queries for records that this server cannot resolve.

IP Address	Server FQDN
172.16.89.253	mail.cst8242.com
10.50.10.253	<Unable to resolve>
10.254.21.22	<Unable to resolve>
8.8.8.8	dns.google

☒ Use root hints if no forwarders are available Edit...

Note: If conditional forwarders are defined for a given domain, they will be used instead of server-level forwarders. To create or view conditional forwarders, navigate to the Conditional Forwarders node in the scope tree.

OK Cancel Apply Help

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 172 . 16 . 93 . 5

Subnet mask: 255 . 255 . 0 . 0

Default gateway: . . .

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server: 127 . 0 . 0 . 1

Alternate DNS server: . . .

☐ Validate settings upon exit

Advanced...

OK Cancel

Lab04_06

Advanced TCP/IP Settings

IP Settings DNS WINS

IP addresses

IP address	Subnet mask
172.16.93.5	255.255.0.0

Add... Edit... Remove

Default gateways:

Gateway	Metric
---------	--------


Add... Edit... Remove

☒ Automatic metric

Interface metric:

OK Cancel

Lab04_07

 Administrator: Windows PowerShell

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator> Install-WindowsFeature RSAT-ADDS

Success Restart Needed Exit Code      Feature Result
-----
True      No                NoChangeNeeded {}

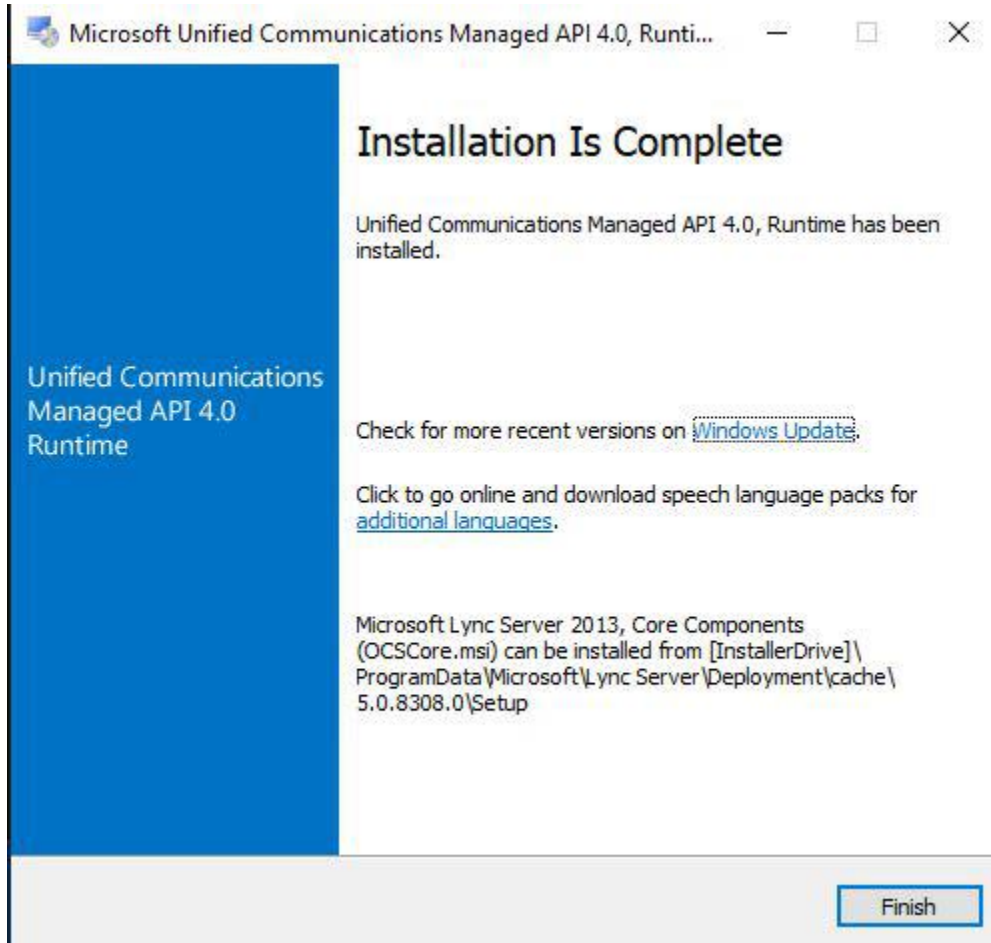
PS C:\Users\Administrator>
```

Lab04_08

```
PS C:\Users\Administrator> Install-WindowsFeature RSAT-Clustering-CmdInterface, NET-Framework-45-Features,
>> RPC-over-HTTP-proxy, RSAT-Clustering, RSAT-Clustering-CmdInterface, RSAT-Clustering-Mgmt, RSAT-Clustering-PowerShe
ll, Web-Mgmt-Console, WAS-Process-Model,
>> Web-Asp-Net45, Web-Basic-Auth, Web-Client-Auth, Web-Digest-Auth, Web-Dir-Browsing, Web-Dyn-Compression, Web-Http-E
rrors, Web-Http-Logging, Web-Http-Redirect, Web-Http-Tracing, Web-ISAPI-Ext, Web-ISAPI-Filter, Web-Lgcy-Mgmt-Console,
>> Web-Metabase, Web-Mgmt-Console, Web-Mgmt-Service, Web-Net-Ext45, Web-Request-Monitor, Web-Server, Web-Stat-Compres
sion, Web-Static-Content, Web-Windows-Auth,
>> Web-WMI, Windows-Identity-Foundation, RSAT-ADDS

Success Restart Needed Exit Code      Feature Result
-----
True      No                Success      {Message Queuing, Message Queuing Server, ...

PS C:\Users\Administrator> █
```

Lab04_10

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.17763.1490]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>D:

D:\>.\Setup.exe /PrepareSchema /IAcceptExchangeServerLicenseTerms

Microsoft Exchange Server 2019 Unattended Setup

Copying Files...
File copy complete. Setup will now collect additional information needed for installation.

Performing Microsoft Exchange Server Prerequisite Check

    Prerequisite Analysis                                COMPLETED

Configuring Microsoft Exchange Server

    Extending Active Directory schema                    COMPLETED

The Exchange Server setup operation completed successfully.

D:\>
D:\>.\Set
```

Lab04_11

```
Select Administrator: Command Prompt
Extending Active Directory schema                                COMPLETED

The Exchange Server setup operation completed successfully.

D:\>
D:\>.\Setup.exe /PrepareAD /OrganizationName:"MANI0062 Organization" /IAcceptExchangeServerLicenseTerms

Microsoft Exchange Server 2019 Unattended Setup

Copying Files...
File copy complete. Setup will now collect additional information needed for installation.

Performing Microsoft Exchange Server Prerequisite Check

    Prerequisite Analysis                                100%

Setup will prepare the organization for Exchange Server 2019 by using 'Setup /PrepareAD'. No Exchange Server 2016 roles have been detected in this topology. After this operation, you will not be able to install any Exchange Server 2016 roles.
For more information, visit: http://technet.microsoft.com/library\(EXCHG.150\)/ms.exch.setupreadiness.NoE16ServerWarning.aspx

Setup will prepare the organization for Exchange Server 2019 by using 'Setup /PrepareAD'. No Exchange Server 2013 roles have been detected in this topology. After this operation, you will not be able to install any Exchange Server 2013 roles.
For more information, visit: http://technet.microsoft.com/library\(EXCHG.150\)/ms.exch.setupreadiness.NoE15ServerWarning.aspx

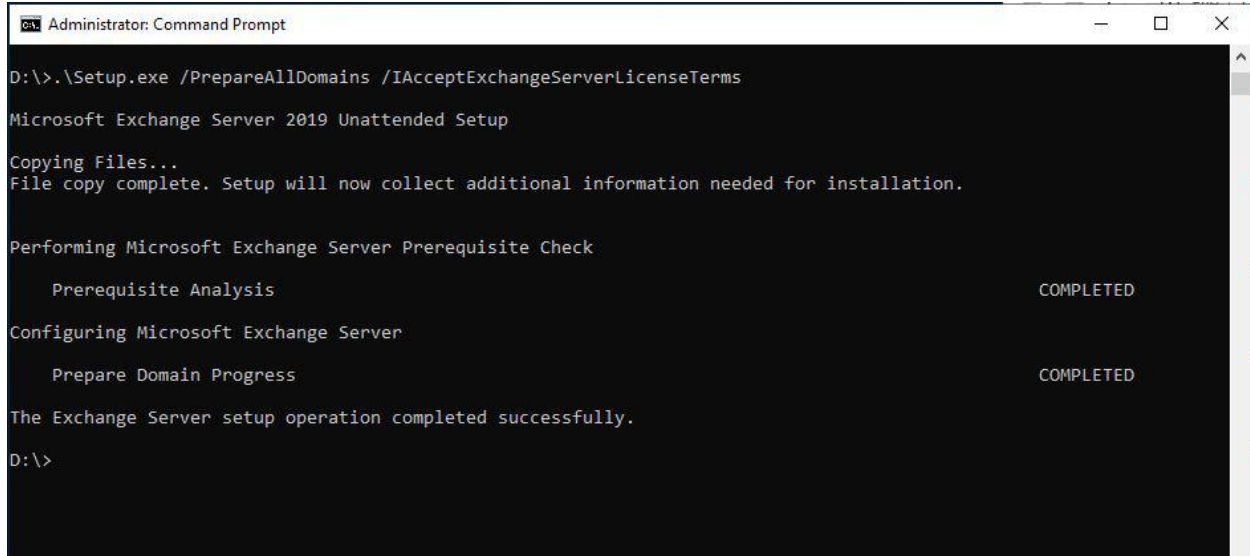
Configuring Microsoft Exchange Server

    Organization Preparation                                COMPLETED

The Exchange Server setup operation completed successfully.

D:\>
```

Lab04_12



```
Administrator: Command Prompt
D:\>.\\Setup.exe /PrepareAllDomains /IAcceptExchangeServerLicenseTerms
Microsoft Exchange Server 2019 Unattended Setup
Copying Files...
File copy complete. Setup will now collect additional information needed for installation.

Performing Microsoft Exchange Server Prerequisite Check
    Prerequisite Analysis                                COMPLETED

Configuring Microsoft Exchange Server
    Prepare Domain Progress                                COMPLETED

The Exchange Server setup operation completed successfully.
D:\>
```

