

Windows Operating System III

Lab-04

Software Development

Submitted by:

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Submitted to:

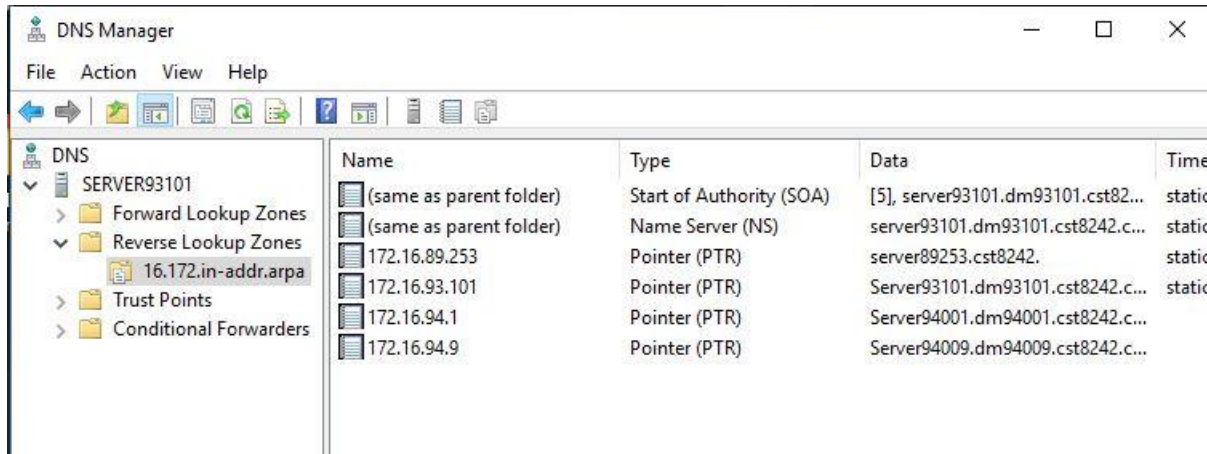
Prof: Islam Gomaa

Server name: Server93101

IP address: 172.16.93.101

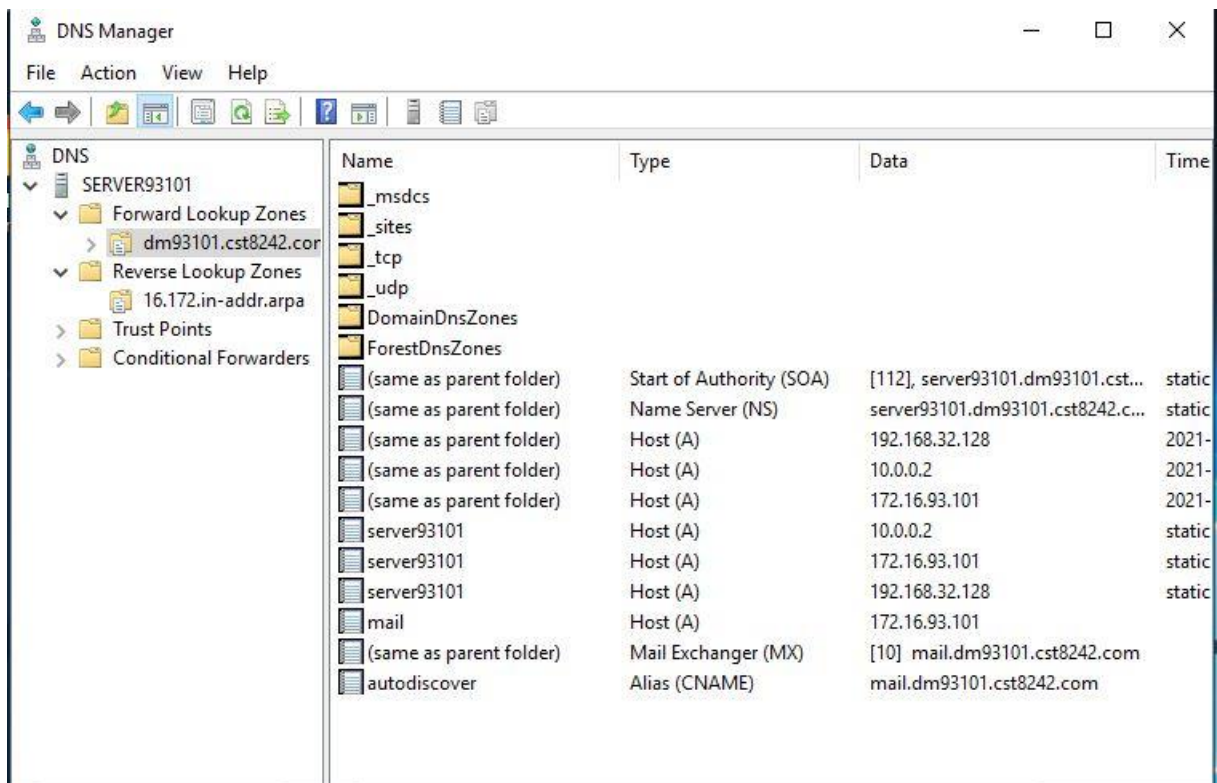
Date of Completion: 08 Feb 2021

%1. Reverse lookup



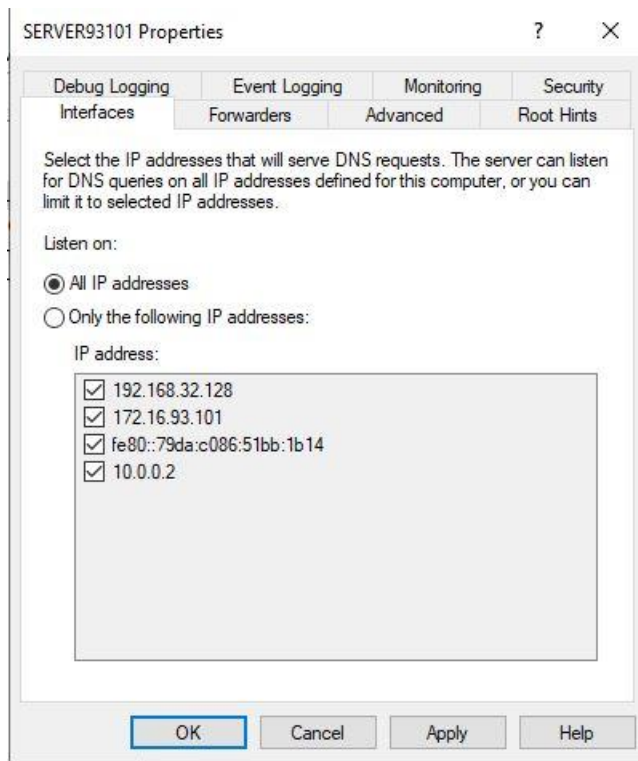
Name	Type	Data	Time
(same as parent folder)	Start of Authority (SOA)	[5], server93101.dm93101.cst82...	static
(same as parent folder)	Name Server (NS)	server93101.dm93101.cst8242.c...	static
172.16.89.253	Pointer (PTR)	server89253.cst8242.	static
172.16.93.101	Pointer (PTR)	Server93101.dm93101.cst8242.c...	static
172.16.94.1	Pointer (PTR)	Server94001.dm94001.cst8242.c...	
172.16.94.9	Pointer (PTR)	Server94009.dm94009.cst8242.c...	

%2. Forward Lookup

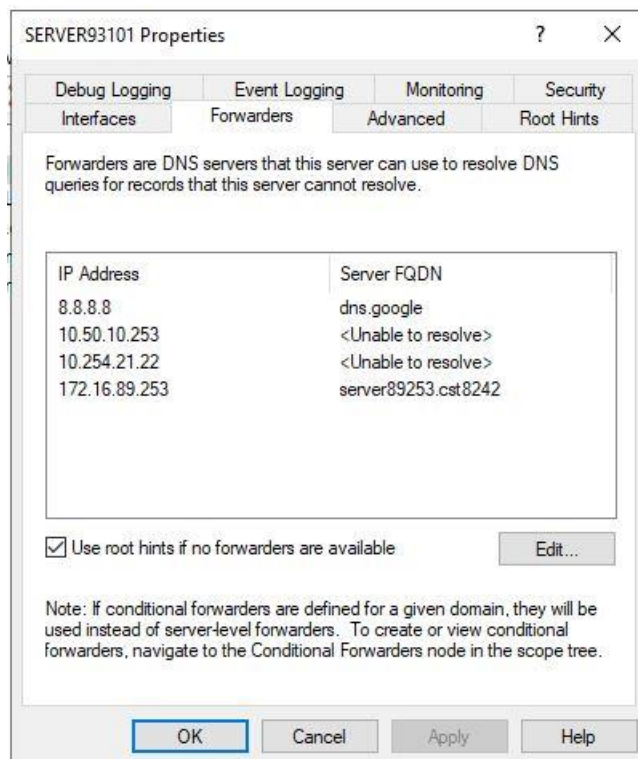


Name	Type	Data	Time
_msdcs			
_sites			
_tcp			
_udp			
DomainDnsZones			
ForestDnsZones			
(same as parent folder)	Start of Authority (SOA)	[112], server93101.dm93101.cst...	static
(same as parent folder)	Name Server (NS)	server93101.dm93101.cst8242.c...	static
(same as parent folder)	Host (A)	192.168.32.128	2021-
(same as parent folder)	Host (A)	10.0.0.2	2021-
(same as parent folder)	Host (A)	172.16.93.101	2021-
server93101	Host (A)	10.0.0.2	static
server93101	Host (A)	172.16.93.101	static
server93101	Host (A)	192.168.32.128	static
mail	Host (A)	172.16.93.101	
(same as parent folder)	Mail Exchanger (MX)	[10] mail.dm93101.cst8242.com	
autodiscover	Alias (CNAME)	mail.dm93101.cst8242.com	

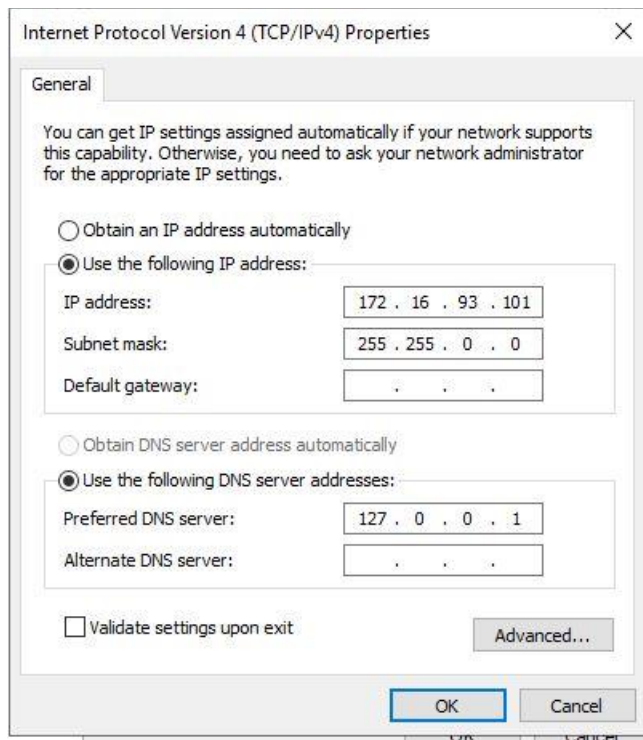
%3. Server Interfaces



% 4. Server Forwarders



%5. Red Interface



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 . 101

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

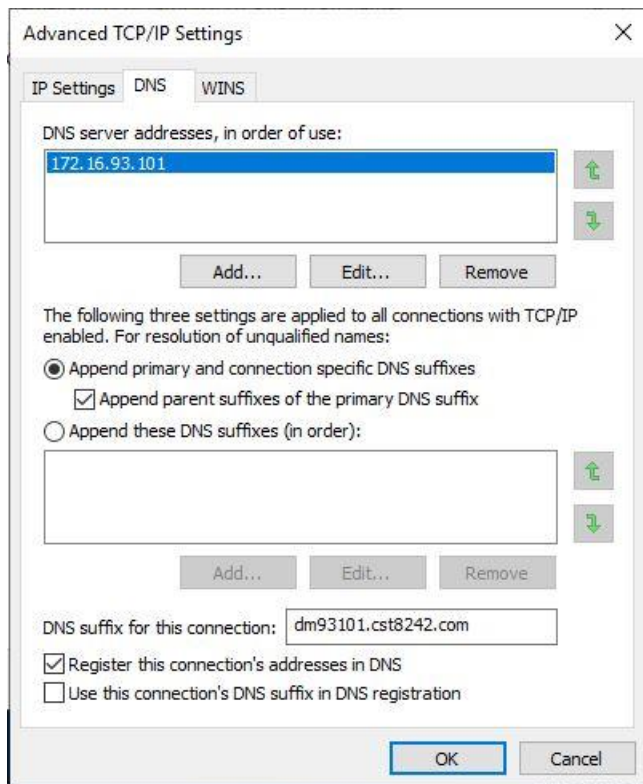
Alternate DNS server: . . .

☐ Validate settings upon exit

Advanced...

OK Cancel

%6. Blue Interface DNS



Advanced TCP/IP Settings

IP Settings DNS WINS

DNS server addresses, in order of use:

172.16.93.101

Add... Edit... Remove

The following three settings are applied to all connections with TCP/IP enabled. For resolution of unqualified names:

☒ Append primary and connection specific DNS suffixes

☒ Append parent suffixes of the primary DNS suffix

☐ Append these DNS suffixes (in order):

Add... Edit... Remove

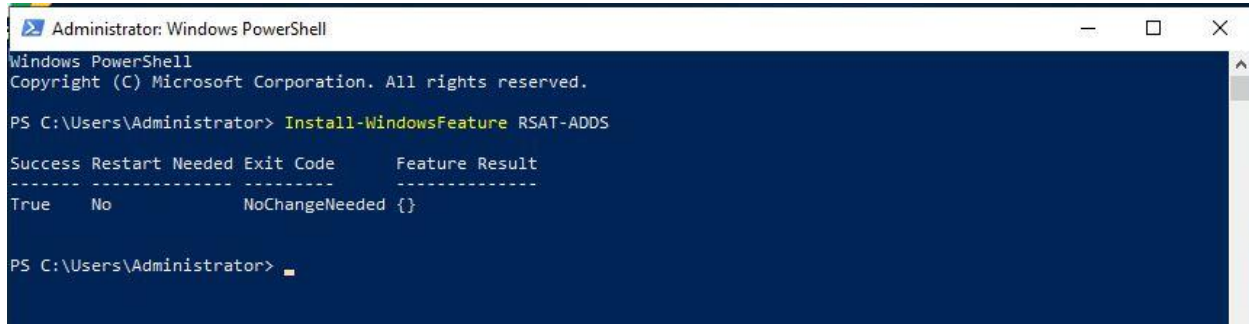
DNS suffix for this connection: dm93101.cst8242.com

☒ Register this connection's addresses in DNS

☐ Use this connection's DNS suffix in DNS registration

OK Cancel

%7. Windows Feature RSAT-ADDS



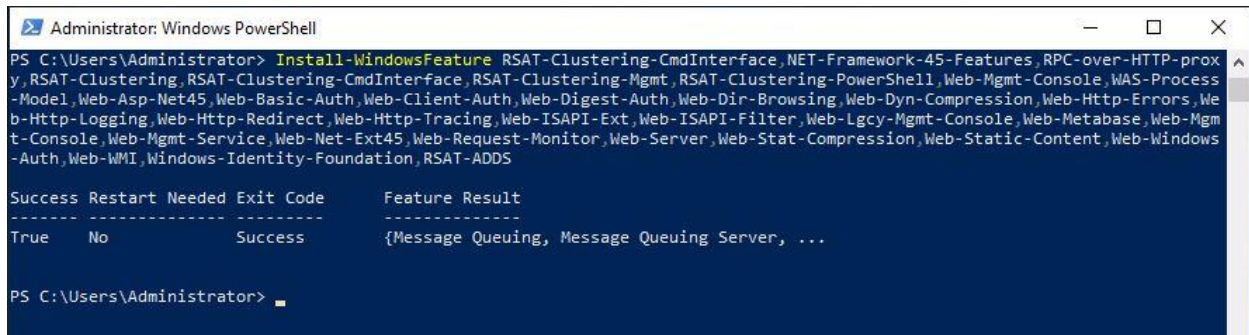
```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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

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

PS C:\Users\Administrator>
```

%8. Windows-Feature RSAT

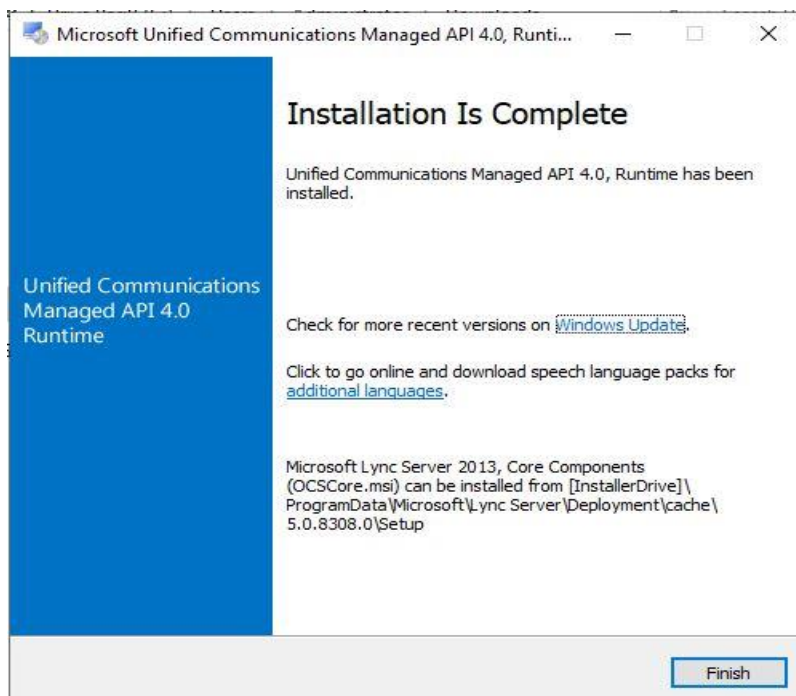


```
Administrator: Windows PowerShell
PS C:\Users\Administrator> Install-WindowsFeature RSAT-Clustering-CmdInterface,NET-Framework-45-Features,RPC-over-HTTP-proxy,RSAT-Clustering,RSAT-Clustering-CmdInterface,RSAT-Clustering-Mgmt,RSAT-Clustering-PowerShell,Web-Mgmt-Console,WAS-Process-Model,Web-Asp-Net45,Web-Basic-Auth,Web-Client-Auth,Web-Digest-Auth,Web-Dir-Browsing,Web-Dyn-Compression,Web-Http-Errors,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-Compression,Web-Static-Content,Web-Windows-Auth,Web-WMI,Windows-Identity-Foundation,RSAT-ADDS

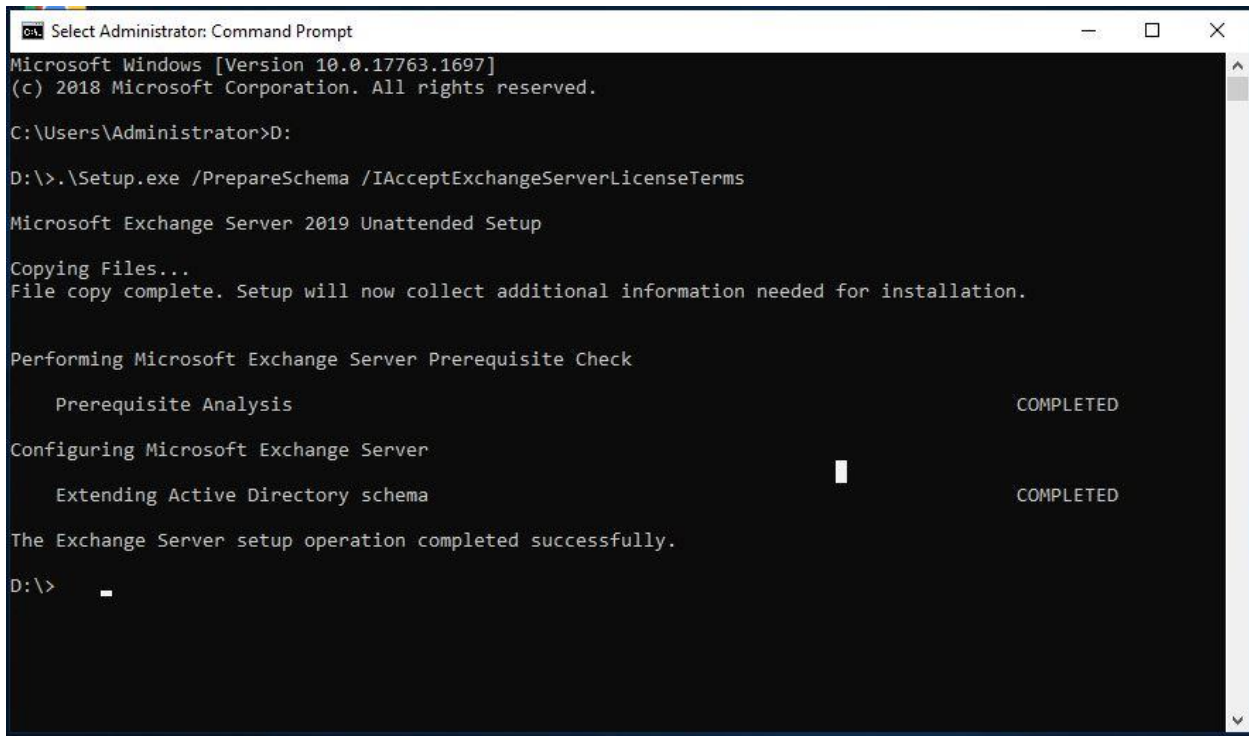
Success Restart Needed Exit Code      Feature Result
-----
True      No             Success      {Message Queuing, Message Queuing Server, ...

PS C:\Users\Administrator>
```

%9. Unified Communication



%10. Exchange Server License



```
Select Administrator: Command Prompt
Microsoft Windows [Version 10.0.17763.1697]
(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

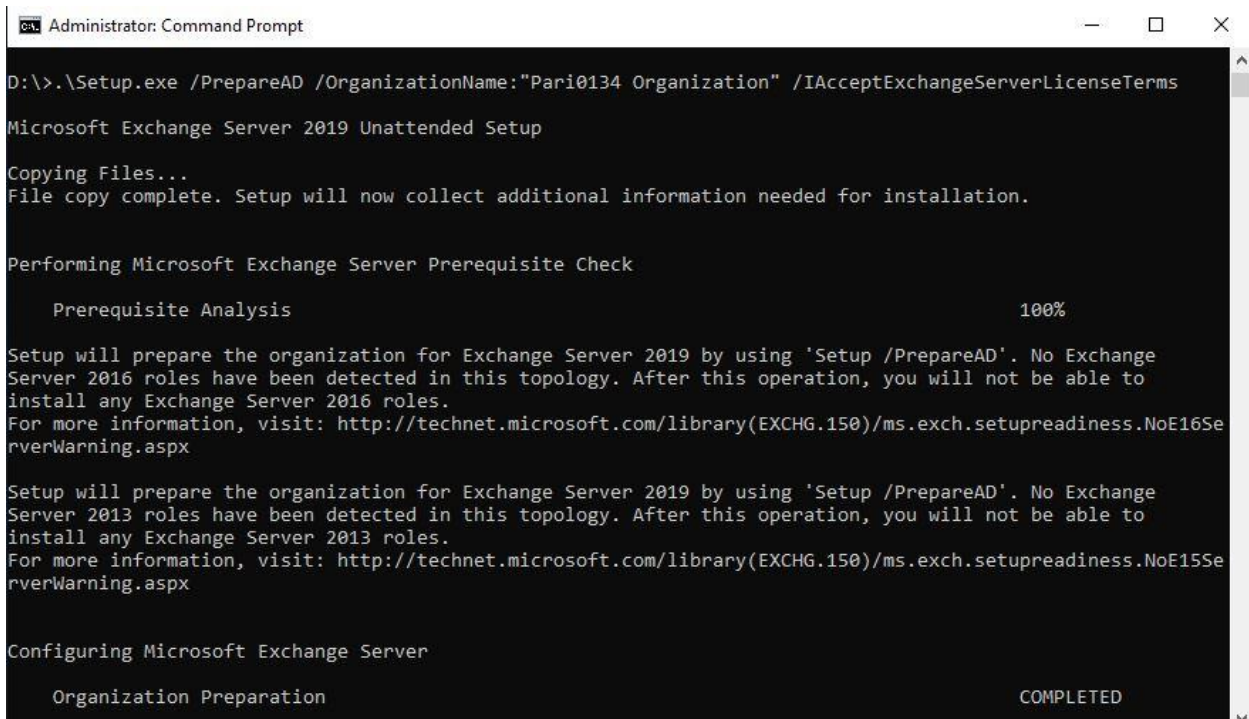
    Prerequisite Analysis                                COMPLETED

Configuring Microsoft Exchange Server
    Extending Active Directory schema                    COMPLETED

The Exchange Server setup operation completed successfully.

D:\>
```

%11. Prepare AD Pari0134 Organization



```
Administrator: Command Prompt

D:\>.\\Setup.exe /PrepareAD /OrganizationName:"Pari0134 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
```

%12. Prepare AllDomains

```
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

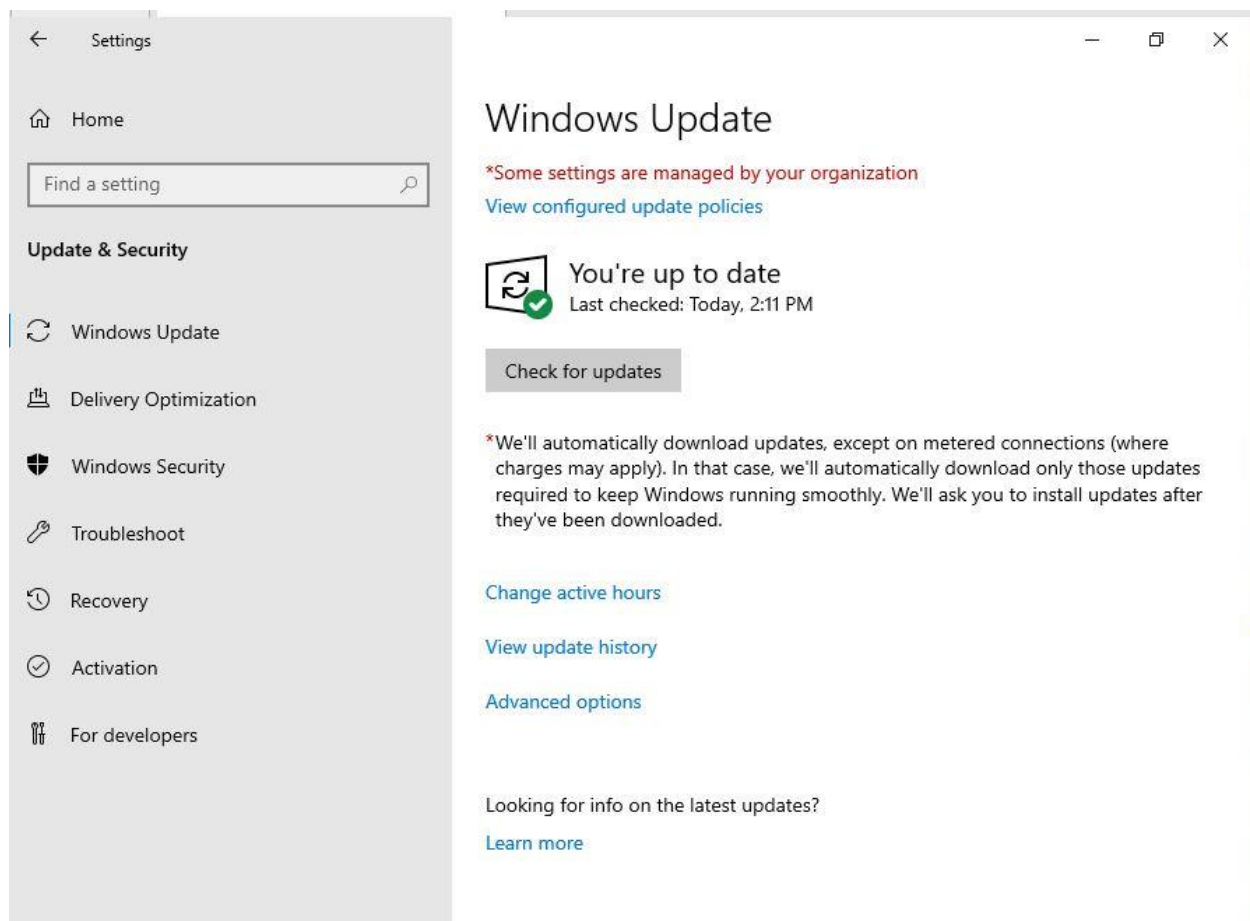
    Prerequisite Analysis                                COMPLETED

Configuring Microsoft Exchange Server

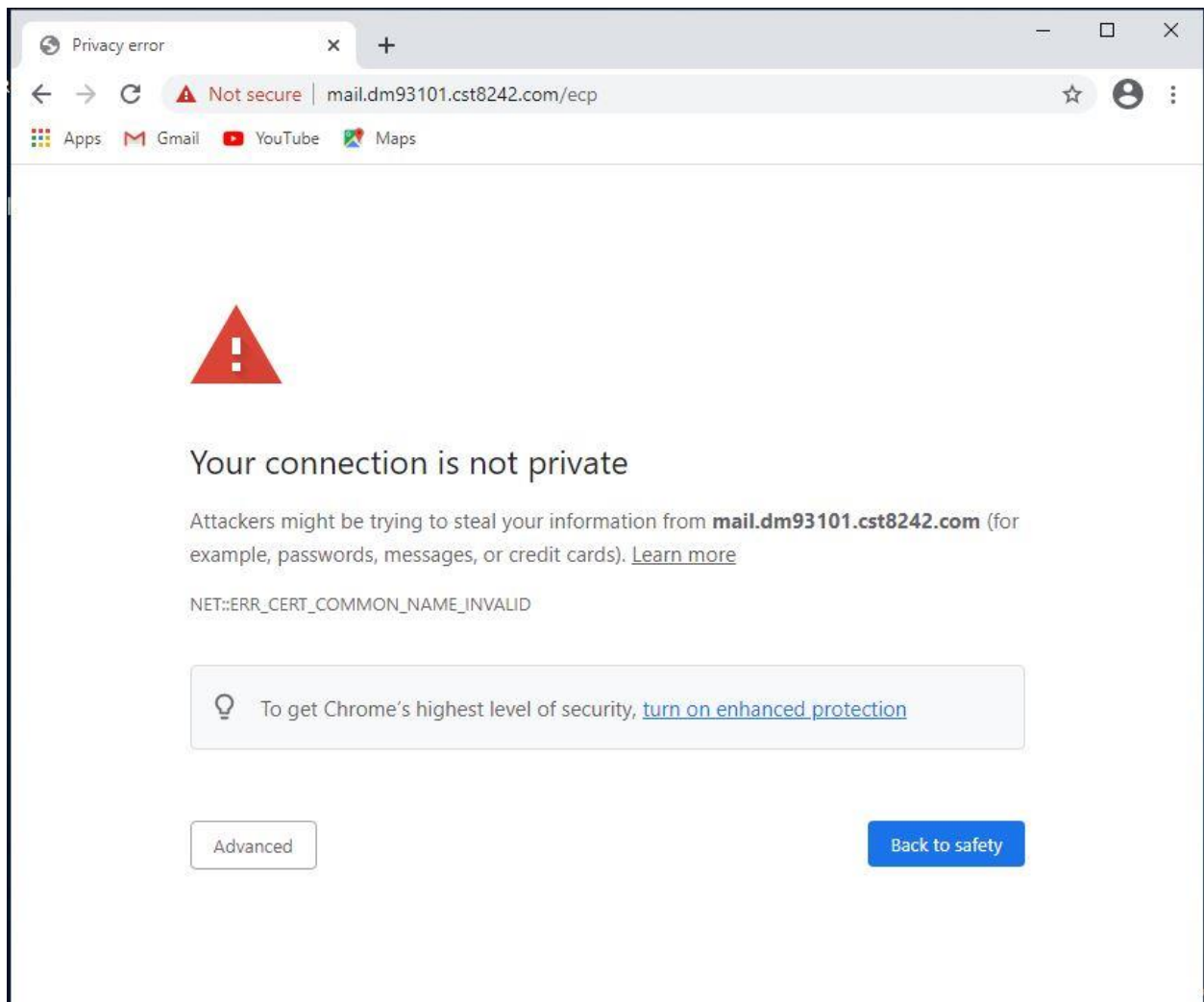
    Prepare Domain Progress                            COMPLETED

The Exchange Server setup operation completed successfully.
```

%13. Windows updates



%14. Mail.server93101.cst8242.com



%15. Exchange Admin center

mailboxes - Microsoft Exchange x +

Not secure | mail.dm93101.cst8242.com/ecp/default.aspx

Apps Gmail YouTube Maps

Enterprise Office 365 Administrator

Exchange admin center

recipients mailboxes groups resources contacts shared migration

permissions
compliance management
organization
protection
mail flow
mobile
public folders
servers
hybrid

+ - ✎ 🗑 🔍 ↺ ...

DISPLAY NAME	MAILBOX TYPE	EMAIL ADDRESS
Administrator	User	Administrator@dm93101.cst8242.com

Administrator

User mailbox
Administrator@dm93101.cst8242.com

Title:
Office:
Work phone:

Phone and Voice
Features

Mobile Devices
Disable Exchange ActiveSync

1 selected of 1 total