

How to upgrade Exchange Server 2019 CU3 to Exchange Server 2019 CU4

In this post, I will walk you through the process of upgrading Exchange Server 2019. Currently in the lab, I am running CU3. Here is the screen shot.

Get-ExchangeServer | ft name,admindisplay* OR

Get-ExchangeServer | Format-List Name,Edition,AdminDisplayVersion

```
Machine: EX2019.RAMLAN.CA
Show quick reference guide: QuickRef
VERBOSE: Connecting to EX2019.RAMLAN.CA.
VERBOSE: Connected to EX2019.RAMLAN.CA.
[PS] C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Microsoft Exchange Server 2019>Get-ExchangeServer | Format-List Name,Edition,AdminDisplayVersion

Name           : EX2019
Edition        : Enterprise
AdminDisplayVersion : Version 15.2 (Build 464.5)

[PS] C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Microsoft Exchange Server 2019>Get-Exchangeserver | ft name,admindisplay*

Name  AdminDisplayVersion
----  -
EX2019 Version 15.2 (Build 464.5)
```

Exchange Server 2019 Version History:

Product name	Release date	Build number (short format)	Build number (long format)
Exchange Server 2019 CU4	December 17, 2019	15.2.529.5	15.02.0529.005
Exchange Server 2019 CU3	September 17, 2019	15.2.464.5	15.02.0464.005
Exchange Server 2019 CU2	June 18, 2019	15.2.397.3	15.02.0397.003
Exchange Server 2019 CU1	February 12, 2019	15.2.330.5	15.02.0330.005
Exchange Server 2019 RTM	October 22, 2018	15.2.221.12	15.02.0221.012
Exchange Server 2019 Preview	July 24, 2018	15.2.196.0	15.02.0196.000

Before you start the upgrade you have to take care of these pre req installation.

1. .NET 4.8 – <https://support.microsoft.com/en-ca/help/4503548/microsoft-net-framework-4-8-offline-installer-for-windows>
2. Visual C++ Redistributable Package for Visual Studio 2012 - <https://www.microsoft.com/download/details.aspx?id=30679>

Prerequisites

This cumulative update requires Microsoft .NET Framework 4.8.

A component that's used within Exchange Server requires a new Visual C++ component to be installed together with Exchange Server. This prerequisite can be downloaded at [Visual C++ Redistributable Package for Visual Studio 2012](#).

.NET 4.8 Install:

Extracting files



Preparing: C:\d6c05df984046b1b2e29e9dd778503\Windows6.1-KB4019990-x64.cab

Cancel

Microsoft .NET Framework



.NET Framework 4.8 Setup

Please accept the license terms to continue.

.NET

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Install

Cancel

Microsoft .NET Framework



Installation Is Complete

.NET Framework 4.8 has been installed.

Check for more recent versions on [Windows Update](#).

Finish

If you don't perform above install – You will see this error message when you run setup.exe.

MICROSOFT EXCHANGE SERVER 2019 CUMULATIVE UPDATE 4

? X

Readiness Checks

The computer will be checked to verify that setup can continue.

Prerequisite Analysis

100%

Error:
This computer requires .NET Framework 4.8 (<https://support.microsoft.com/kb/4503548>).
For more information, visit: <https://docs.microsoft.com/Exchange/plan-and-deploy/system-requirements?view=exchserver-2019>

Error:
Setup can't continue with the upgrade because the powershell (17652) has open files. Close the process, and then restart Setup.
For more information, visit: <http://technet.microsoft.com/library/EXCHG.150/ms.exch.setupreadiness.ProcessNeedsToBeClosedOnUpgrade.aspx>

Exchange

retry

I will upgrade this server to CU4. Microsoft released CU4 on 17th Dec 2019. These are the following fixes in this CU. Please visit the link below for full details.

<https://support.microsoft.com/en-ca/help/4522149/cumulative-update-4-for-exchange-server-2019>

Cumulative Update 4 for Exchange Server 2019

Applies to: Exchange Server 2019

Cumulative Update 4 for Microsoft Exchange Server 2019 was released on December 17, 2019. This cumulative update is a security update. It includes fixes for [nonsecurity issues](#) and all previously released fixes for security and nonsecurity issues. These fixes will also be included in later [cumulative updates for Exchange Server 2019](#).

This update also includes new daylight saving time (DST) updates for Exchange Server 2019. For more information about DST, see [Daylight Saving Time Help and Support Center](#).

Issues that this cumulative update fixes

This cumulative update also fixes the issues that are described in the following Microsoft Knowledge Base articles:

- [4528696](#) Exchange PowerShell cmdlets take longer time to run in Exchange Server 2019
- [4528695](#) Event ID 4009 when using SubjectOrBodyMatchesPatterns on Edge server in Exchange Server 2019
- [4528694](#) Can't open .ics file in Outlook on the web in Exchange Server 2019
- [4528692](#) "A parameter was specified that isn't valid" error when creating transport rule in Exchange Server 2019
- [4523519](#) Set-SendConnector doesn't work for Exchange Server in hybrid scenarios with Edge Server installed
- [4528688](#) Only one recipient shows when saving draft by using Exchange ActiveSync version 16.0 in Exchange Server 2019
- [4528693](#) Get-CalendarDiagnosticLog is proxied for queries within the same forest in Exchange Server 2019
- [4528687](#) NotificationClient logs aren't purged and consume lots of disk in Exchange Server 2019
- [4528689](#) Outlook on the web shows MailTip when recipients equal the large audience size in Exchange Server 2019
- [4528690](#) Can't move or delete folder in Outlook online mode if the destination has a folder with the same name in Exchange Server 2019
- [4532744](#) System.ArgumentNullException when you use Set-user to assign block legacy auth policy in Exchange Server 2019
- [4532747](#) Address list separation not working for a user without a mailbox in Exchange Server 2019
- [4523171](#) Description of the security update for Microsoft Exchange Server 2019, 2016, and 2013: November 12, 2019

You can download CU4 from here

https://cloclo25.cldmail.ru/9GwhudxvyuHNDCXwk22/G/5mhJ/rvaEZtE1W/mu_exchange_server_2019_cumulative_update_4_x64_dvd_1ddcc33d.iso?key=ccc95a7e46c5c437c3d73948aa0400b116410608&key=ccc95a7e46c5c437c3d73948aa0400b116410608

Before you start the upgrade it is advisable to restart the server and then start the upgrade process. Copy Exchange 2019 CU4 ISO to Exchange Server and Mount the ISO to start the setup.exe

> EX2019 > DVD Drive (D:) EXCHANGESERVER2019-X64-CU4 >

Name	Date modified	Type	Size
th	03-Dec-2019 10:39...	File folder	
tk-tm	03-Dec-2019 10:39...	File folder	
tr	03-Dec-2019 10:39...	File folder	
tt	03-Dec-2019 10:39...	File folder	
UCMARedist	03-Dec-2019 10:39...	File folder	
ug-cn	03-Dec-2019 10:39...	File folder	
uk	03-Dec-2019 10:39...	File folder	
ur	03-Dec-2019 10:39...	File folder	
uz	03-Dec-2019 10:39...	File folder	
vi	03-Dec-2019 10:39...	File folder	
zh-hans	03-Dec-2019 10:39...	File folder	
zh-hant	03-Dec-2019 10:39...	File folder	
autorun.inf	01-May-2018 10:1...	Setup Information	1 KB
EXCHANGESERVER.msi	03-Dec-2019 9:08 ...	Windows Installer ...	7,140 KB
Microsoft.Exchange.CabUtility.dll	03-Dec-2019 9:08 ...	Application extens...	271 KB
Microsoft.Exchange.Data.Common.dll	03-Dec-2019 9:06 ...	Application extens...	1,648 KB
Microsoft.Exchange.Diagnostics.dll	03-Dec-2019 9:05 ...	Application extens...	2,162 KB
Microsoft.Exchange.Setup.AcquireLangu...	03-Dec-2019 9:08 ...	Application extens...	56 KB
Microsoft.Exchange.Setup.Bootstrapper...	03-Dec-2019 9:07 ...	Application extens...	92 KB
Microsoft.Exchange.Setup.SignVerfWrap...	03-Dec-2019 9:07 ...	Application extens...	74 KB
Setup.EXE	03-Dec-2019 9:07 ...	Application	21 KB

Check for Updates?

You can have Setup download Exchange Server updates from the Internet before you install Exchange. If updates are available, they'll be downloaded and used by Setup. By downloading updates now, you'll have the latest security and product updates. If you don't want to check for updates right now, or if you don't have access to the Internet, skip this step. If you skip this step, be sure to download and install any available updates after you've completed Setup.

Select one of the following options:

- Connect to the Internet and check for updates
- Don't check for updates right now

Exchange

next

Downloading Updates...

No updates found, click next to continue with setup.

Exchange

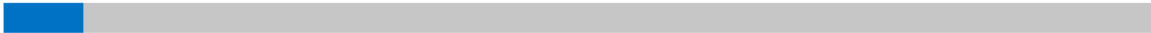
next

Copying Files...

Setup needs to copy files that are required to install Exchange Server.

Copying files...

7%



Exchange

Upgrade

You are about to upgrade Microsoft Exchange Server. This wizard will guide you through the upgrade process.

Plan your Exchange Server deployment:

[Read about Exchange Server](#)

[Read about supported languages](#)

[Use the Exchange Server Deployment Assistant](#)

License Agreement

Please read and accept the Exchange Server license agreement.

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- I accept the terms in the license agreement
- I do not accept the terms in the license agreement.

next

Exchange

Readiness Checks

The computer will be checked to verify that setup can continue.

Configuring Prerequisites

95%



Exchange

back

install

Setup Progress

Step 1 of 16: Stopping Services

9%



Exchange

Setup Completed

Congratulations! Setup has finished successfully. To complete the installation of Microsoft Exchange Server, reboot the computer.

You can also start the Exchange Administration Center after Setup is finished.

Launch Exchange Administration Center after finishing Exchange setup.

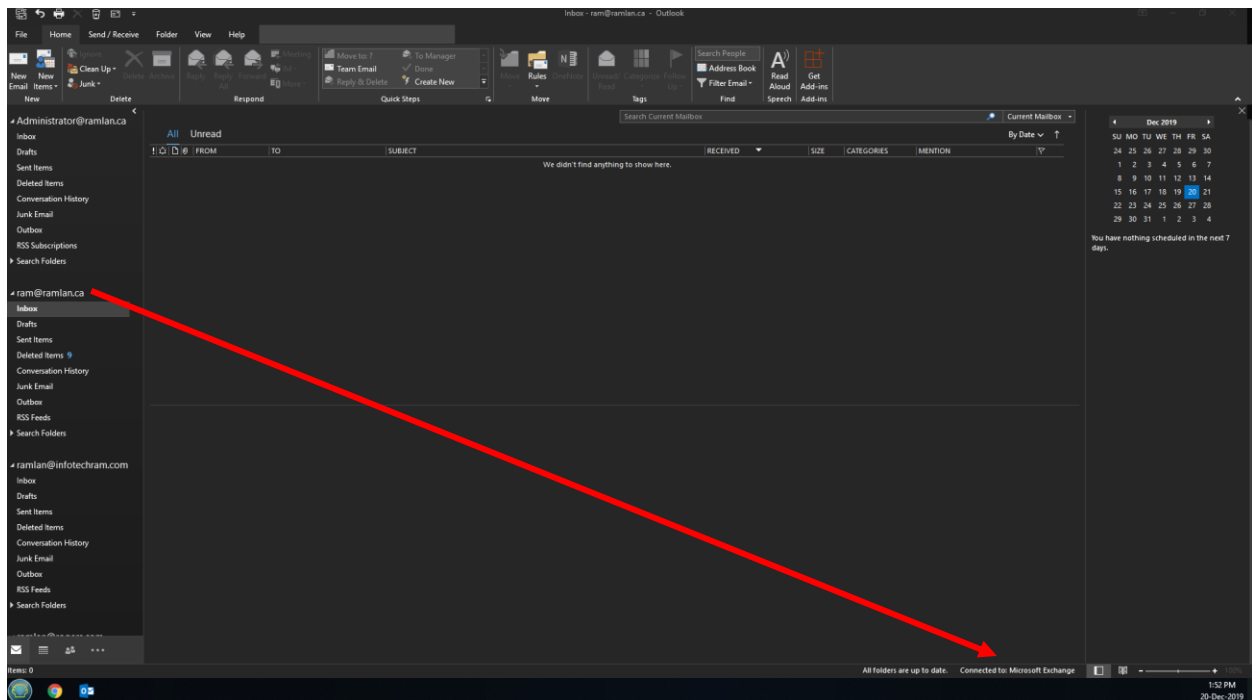
Exchange

finish

Click finish and restart the server.

Make sure all exchange services are running. Also check Outlook 2019 can connect to exchange server.

Name	Description	Status	Startup Type	Log On As
Microsoft App-V Client	Manages A...	Running	Disabled	Local Syste...
Microsoft Exchange Active Directory Topology	Provides Ac...	Running	Automatic	Local Syste...
Microsoft Exchange Anti-spam Update	The Micros...	Running	Automatic	Local Syste...
Microsoft Exchange Compliance Audit	The Micros...	Running	Automatic	Local Syste...
Microsoft Exchange Compliance Service	Host for Co...	Running	Automatic	Local Syste...
Microsoft Exchange DAG Management	The Micros...	Running	Automatic	Local Syste...
Microsoft Exchange Diagnostics	Agent that ...	Running	Automatic (D...	Local Syste...
Microsoft Exchange EdgeSync	Replicates c...	Running	Automatic	Local Syste...
Microsoft Exchange Frontend Transport	This service ...	Running	Automatic	Local Syste...
Microsoft Exchange Health Manager	Manages Ex...	Running	Automatic	Local Syste...
Microsoft Exchange Health Manager Recovery	Recovery Se...	Running	Automatic	Local Syste...
Microsoft Exchange IMAP4	Provides Int...	Running	Manual	Local Syste...
Microsoft Exchange IMAP4 Backend	Provides Int...	Running	Manual	Network S...
Microsoft Exchange Information Store	Manages th...	Running	Automatic	Local Syste...
Microsoft Exchange Mailbox Assistants	Performs ba...	Running	Automatic	Local Syste...
Microsoft Exchange Mailbox Replication	Processes ...	Running	Automatic	Local Syste...
Microsoft Exchange Mailbox Transport Delivery	This service,...	Running	Automatic	Network S...
Microsoft Exchange Mailbox Transport Submission	This service,...	Running	Automatic	Local Syste...
Microsoft Exchange POP3	Provides Po...	Running	Manual	Local Syste...
Microsoft Exchange POP3 Backend	Provides Po...	Running	Manual	Network S...
Microsoft Exchange Replication	The Micros...	Running	Automatic	Local Syste...
Microsoft Exchange RPC Client Access	Manages cli...	Running	Automatic	Local Syste...
Microsoft Exchange Search	Drives index...	Running	Automatic	Local Syste...
Microsoft Exchange Search Host Controller	This service ...	Running	Automatic	Local Syste...
Microsoft Exchange Server Extension for Windows Server Backup	Enables Win...	Running	Manual	Local Syste...
Microsoft Exchange Service Host	Provides a h...	Running	Automatic	Local Syste...
Microsoft Exchange Throttling	Limits the r...	Running	Automatic	Network S...
Microsoft Exchange Transport	The Micros...	Running	Automatic	Network S...
Microsoft Exchange Transport Log Search	Provides re...	Running	Automatic	Local Syste...



Open Exchange Management Shell and run below command to check the version.

```
Machine: EX2019.RAMLAN.CA

Welcome to the Exchange Management Shell!

Full list of cmdlets: Get-Command
Only Exchange cmdlets: Get-ExCommand
Cmdlets that match a specific string: Help *<string>*
Get general help: Help
Get help for a cmdlet: Help <cmdlet name> or <cmdlet name> -?
Exchange team blog: Get-ExBlog
Show full output for a command: <command> | Format-List

Show quick reference guide: QuickRef
VERBOSE: Connecting to EX2019.RAMLAN.CA.
VERBOSE: Connected to EX2019.RAMLAN.CA.
[PS] C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Microsoft Exchange Server 2019>Get-ExchangeServer | Format-List
Name, Edition, AdminDisplayVersion

Name           : EX2019
Edition        : Enterprise
AdminDisplayVersion : Version 15.2 (Build 529.5)
```

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Exchange Server 2019 RTM	October 22, 2018	15.2.221.12	15.02.0221.012
Exchange Server 2019 Preview	July 24, 2018	15.2.196.0	15.02.0196.000

This concludes the upgrade of Exchange Server 2019 CU4.

Thanks

Ram Lan
20th Dec 2019