How to upgrade Exchange Server 2019 – CU8 to CU9

Microsoft released cumulative update 9 for Exchange Server 2019 on 16th Mar 2021. Here is the link - more info about CU9. **It is always good to restart the server before installing cumulative update**.

https://support.microsoft.com/en-us/topic/cumulative-update-9-for-exchange-server-2019-c8ee8bf0-2f1b-3183-6600-33fb005bc281

https://techcommunity.microsoft.com/t5/exchange-team-blog/released-march-2021-quarterly-exchange-updates/ba-p/2205283

The **/PrepareDomain** operation automatically runs in the Active Directory domain in which the **/PrepareAD** command is run. However, it may be unable to update other domains in the forest. Therefore, a domain administrator should run the **/PrepareDomain** in other domains in the forest.

- **About the permission question:**

  Because **/PrepareAD** is triggered in Setup, if the user who initiates Setup isn't a member of Schema Admins and Enterprise Admins, the readiness check will fail and you receive the following error messages.

  Error 1:

  > The Active Directory schema isn't up-to-date, and this user account isn't a member of the 'Schema Admins' and/or 'Enterprise Admins' groups. For more informaion, visit: http://technet.microsoft.com/library(EXCHG.150)/ms.exch.setipreadiness.SchemaUpdateRequired.aspx.

  Error 2:

  > Global updates need to be made to Active Directory, and this user account isn't a member of the 'Enterprise Admins'group. For more information, visit: http://technet.microsoft.com/library(EXCHG.150)/ms.exch.setupreadiness.GlobalUpdateRequred.aspx.

- Autodiscover Event ID 1 occurs after you install Cumulative Update 3 for Exchange Server 2019. For more information, see KB 4532190.

Issues that this cumulative update fixes

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

- 5001181 Certain search scenario can't return expected result in Outlook online mode in Exchange Server 2019

- 5001182 Can't use keyword "TMM" in a special pattern to search email in Exchange Server 2019

- 5001183 Attachment is treated as bad zip file on Edge Transport server in Exchange Server 2019 and 2016

- 5001184 EAC has no option to select the correct tenant for an Office 365 mailbox in Exchange Server 2019 and 2016

- 5001185 EAC has no option to select an archive domain for cloud-based archive in Exchange Server 2019 and 2016

- 5001186 Encoding of special characters isn't preserved which causes missing text in Outlook in Exchange Server 2019 and 2016

- 5001188 Incorrect MRM properties stamped on mail item delivery when sending to multiple mailboxes on the same database in Exchange Server 2019 and 2016

- 5001189 Mailbox Audit log searches and Outlook both tied to MaxHitsForFullTextIndexSearches in Exchange Server 2019 and 2016

- 5001190 MonitoringGroup can't control the placement of CAS monitoring mailboxes in Exchange Server 2019 and 2016

- 5001192 Microsoft Teams fails to show calendar because Autodiscover v2 isn't site-aware in Exchange Server 2019 and 2016

- 5001193 New health mailboxes for databases are created every time Exchange Health Manager service is restarted

- 5001194 RFC certificate timestamp validation in Exchange Server 2019 and 2016

- 5001195 UPN specified when creating mailbox is overwritten automatically causing login failures in Exchange Server 2019 and 2016

- 5000631 Event IDs 1003, 1309 and 4999 are logged after installing Exchange Server 2019 CU8

- 4583558 PDF preview function in OWA leads to download action unexpectedly

Get Cumulative Update 9 for Exchange Server 2019

Volume Licensing Center

To get Cumulative Update 9 for Exchange Server 2019, go to Microsoft Volume Licensing Center.

Note The Cumulative Update 9 package can be used to run a new installation of Exchange Server 2019 or to upgrade an existing Exchange Server 2019 installation to Cumulative Update 9.

Cumulative update information

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.

For more information about the prerequisites to set up Exchange Server 2019, see Exchange 2019 prerequisites.

Restart requirement

You may have to restart the computer after you apply this cumulative update package.

Registry information

You don't have to make any changes to the registry after you apply this cumulative update package.

Removal information

After you install this cumulative update package, you can't uninstall the package to revert to an earlier version of Exchange Server 2019. If you uninstall this cumulative update package, Exchange Server 2019 is removed from the server.

File information

File hash information
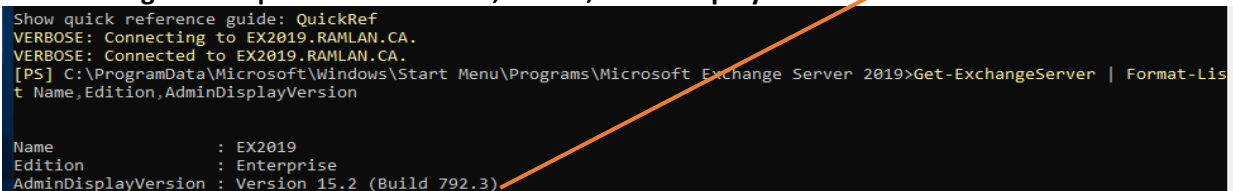
File name	SHA1 hash	SHA256 hash
ExchangeServer2019-x64-cu9.iso	0962B7267D318B7C780169B8B9835F121EE1796E	4734F72EB986F161A3DE97C0B4DE42CD1C4E036C1EB3193C3A5B43AD205365E3

I am going to upgrade my exchange server 2019 to CU9. It is currently running CU8. Here is screen shot.

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

```
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-Lis
t Name,Edition,AdminDisplayVersion


Name                : EX2019
Edition             : Enterprise
AdminDisplayVersion : Version 15.2 (Build 792.3)
```

Exchange 2019 Version History:

Exchange Server 2019

The table in this section provides build numbers and general release dates for each version of Microsoft Exchange Server 2019.

To view the build number of an Exchange 2019 server, run the following command in the Exchange Management Shell.

```
PowerShell                                                              Copy

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

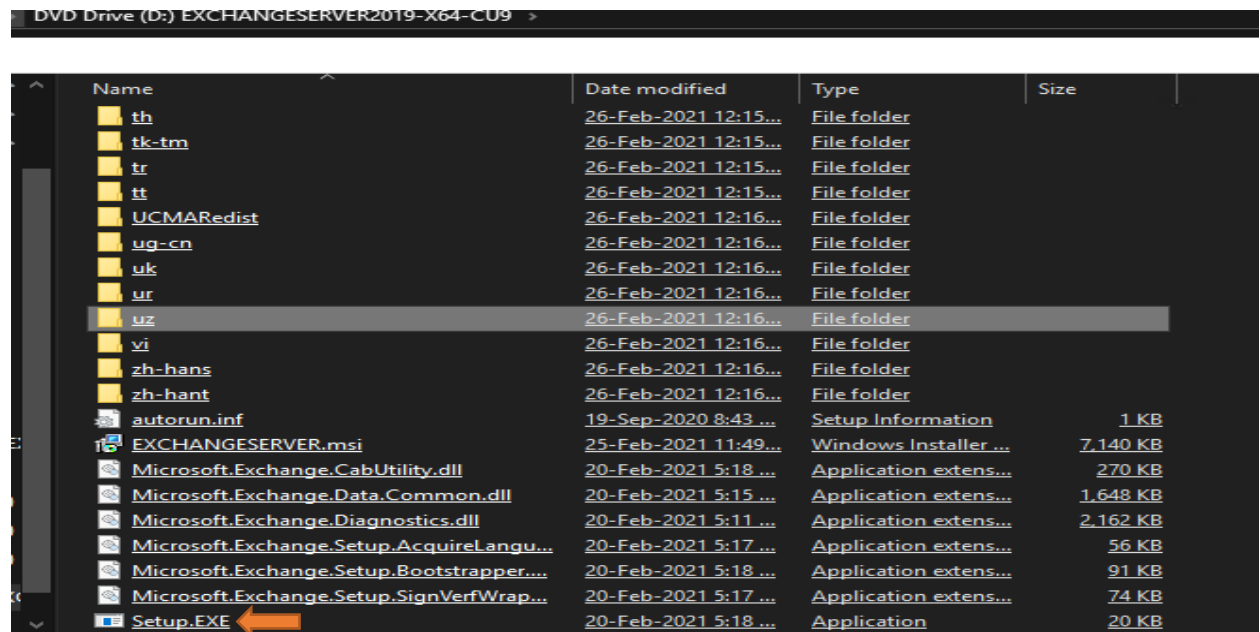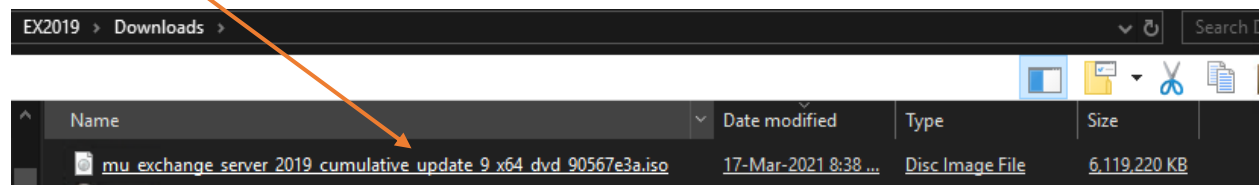| Product name	Release date	Build number (short format)	Build number (long format)
Exchange Server 2019 CU9 ↗	March 16, 2021	15.2.858.5	15.02.0858.005
Exchange Server 2019 CU8 ↗	December 15, 2020	15.2.792.3	15.02.0792.003
Exchange Server 2019 CU7	September 15, 2020	15.2.721.2	15.02.0721.002
Exchange Server 2019 CU6	June 16, 2020	15.2.659.4	15.02.0659.004
Exchange Server 2019 CU5	March 17, 2020	15.2.595.3	15.02.0595.003
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

Mount the ISO and run setup.exe

EX2019 > Downloads >

Name	Date modified	Type	Size
mu_exchange_server_2019_cumulative_update_9_x64_dvd_90567e3a.iso	17-Mar-2021 8:38 ...	Disc Image File	6,119,220 KB

DVD Drive (D:) EXCHANGESERVER2019-X64-CU9 >

Name	Date modified	Type	Size
th	26-Feb-2021 12:15...	File folder	
tk-tm	26-Feb-2021 12:15...	File folder	
tr	26-Feb-2021 12:15...	File folder	
tt	26-Feb-2021 12:15...	File folder	
UCMARedist	26-Feb-2021 12:16...	File folder	
ug-cn	26-Feb-2021 12:16...	File folder	
uk	26-Feb-2021 12:16...	File folder	
ur	26-Feb-2021 12:16...	File folder	
uz	26-Feb-2021 12:16...	File folder	
vi	26-Feb-2021 12:16...	File folder	
zh-hans	26-Feb-2021 12:16...	File folder	
zh-hant	26-Feb-2021 12:16...	File folder	
autorun.inf	19-Sep-2020 8:43 ...	Setup Information	1 KB
EXCHANGESERVER.msi	25-Feb-2021 11:49...	Windows Installer ...	7,140 KB
Microsoft.Exchange.CabUtility.dll	20-Feb-2021 5:18 ...	Application extens...	270 KB
Microsoft.Exchange.Data.Common.dll	20-Feb-2021 5:15 ...	Application extens...	1,648 KB
Microsoft.Exchange.Diagnostics.dll	20-Feb-2021 5:11 ...	Application extens...	2,162 KB
Microsoft.Exchange.Setup.AcquireLangu...	20-Feb-2021 5:17 ...	Application extens...	56 KB
Microsoft.Exchange.Setup.Bootstrapper....	20-Feb-2021 5:18 ...	Application extens...	91 KB
Microsoft.Exchange.Setup.SignVerfWrap...	20-Feb-2021 5:17 ...	Application extens...	74 KB
Setup.EXE	20-Feb-2021 5:18 ...	Application	20 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...   38%

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

Exchange

next

🖶   ?   ✕

License Agreement

Please read and accept the Exchange Server license agreement.

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT EXCHANGE SERVER 2019 STANDARD, ENTERPRISE, TRIAL AND HYBRID

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.

By using the software, you accept these terms. If you do not accept them, do not use the software. Instead, return it to the retailer for a refund or credit. If you cannot obtain a refund there, contact Microsoft or ~~the Microsoft affiliate serving your country for information about Microsoft's refund policies. See~~

◉ I accept the terms in the license agreement

◯ I do not accept the terms in the license agreement

Exchange

[next]

?   ✕

Readiness Checks

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

Prerequisite Analysis   1%

Exchange

[back]   [install]

Readiness Checks

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

Prerequisite Analysis   100%

Warning:
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: https://docs.microsoft.com/Exchange/plan-and-deploy/deployment-ref/readiness-checks?view=exchserver-2019

Exchange   install

Setup Progress

Step 1 of 17: Organization Preparation   29%

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

Restart the server and check the version info by running this command

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

This conclude the upgrade process of Exchange Server 2019 CU9.

Thanks

Ram Lan
17th Mar 2021

Upgrade start time – 930AM   -   Upgrade end time – 1015AM