

# How to upgrade Exchange Server 2019 – CU7 to CU8

Microsoft released cumulative update 7 for Exchange Server 2019 on 15<sup>th</sup> Dec 2020. Here is the link for more info about CU8. **It is always good to restart the server before installing cumulative update.**

<https://support.microsoft.com/en-ca/help/4588885/cumulative-update-8-for-exchange-server-2019>  
<https://docs.microsoft.com/en-us/exchange/new-features/updates?view=exchserver-2019>  
<https://techcommunity.microsoft.com/t5/exchange-team-blog/released-december-2020-quarterly-exchange-updates/ba-p/1976527>

## Cumulative Update 8 for Exchange Server 2019

Applies to: Exchange Server 2019

Cumulative Update 8 for Microsoft Exchange Server 2019 was released on December 15, 2020. 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 resolves vulnerabilities, see Microsoft Common Vulnerabilities and Exposures [CVE-2020-17117](#), [CVE-2020-17132](#), [CVE-2020-17141](#), [CVE-2020-17142](#), [CVE-2020-17143](#).

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](#).

### Known issues in this cumulative update

- In multidomain Active Directory forests in which Exchange is installed or has been prepared previously by using the `/PrepareDomain` option in Setup, this action must be completed after the `/PrepareAD` command for this cumulative update has been completed and the changes are replicated to all domains. Setup will try to run the `/PrepareAD` command during the first server installation. Installation will finish only if the user who initiated Setup has the appropriate permissions.

- **About the `/PrepareDomain` operation in multidomain:**

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 the `/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 information, visit: [http://technet.microsoft.com/library\(EXCHG.150\)/ms.exch.setupreadiness.SchemaUpdateRequired.aspx](http://technet.microsoft.com/library(EXCHG.150)/ms.exch.setupreadiness.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.GlobalUpdateRequired.aspx](http://technet.microsoft.com/library(EXCHG.150)/ms.exch.setupreadiness.GlobalUpdateRequired.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:

- [4588297](#) Attachments can't be downloaded or previewed from Outlook Web App
- [4583531](#) Design change about inline images will be forced to download but not open in a new tab of OWA in Exchange Server 2019 and 2016
- [4583532](#) ELC MRM archiving fails due to DomainName in AuthServer in Exchange Server 2019 and 2016
- [4583533](#) Exchange Server 2019 or 2016 installation fails with error "The user has insufficient access rights"
- [4583534](#) Event ID 65535 System.Runtime.Serialization errors in Application log in Exchange Server 2019 or 2016
- [4583535](#) New-Moverequest, Resume-Moverequest, and Remove-Moverequest not logged in Audit logs in Exchange Server 2019 and 2016
- [4583536](#) Set-MailboxFolderPermission is included in Mail Recipient Creation in Exchange Server 2019 and 2016
- [4583537](#) Update Korean word breaker in Exchange Server 2019 and 2016
- [4583538](#) Microsoft Teams REST calls exceed the default value of maxQueryStringLength in Exchange Server 2019 and 2016
- [4583539](#) Non-breaking space is visible in message body in Outlook in Exchange Server 2019 and 2016
- [4583542](#) Server assisted search in Outlook doesn't return more than 175 items in Exchange Server 2019
- [4583544](#) Lots of LDAP requests for FE MAPI w3wp lead to DDoS on DCs in Exchange Server 2019
- [4583545](#) Make DomainName in Authserver a multivalued parameter in Exchange Server 2019 and 2016
- [4593465](#) Description of the security update for Microsoft Exchange Server 2019 and 2016: December 8, 2020

## 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.

I am going to upgrade my exchange server 2019 to CU8. It is currently running CU7. Here is screen shot.

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

```
[PS] C:\Windows\system32>Get-ExchangeServer | Format-List Name,Edition,AdminDisplayVersion

Name           : EX2019
Edition        : Enterprise
AdminDisplayVersion : Version 15.2 (Build 721.2)
```

### 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.

Product name	Release date	Build number (short format)	Build number (long format)
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

Name	Date modified	Type	Size
 mu_exchange_server_2019_cumulative_update_8_x64_dvd_ebc6f993.iso	21-Dec-2020 8:56 ...	Disc Image File	6,114,800 KB

DVD Drive (D:) EXCHANGESERVER2019-X64-CU8 >

Name	Date modified	Type	Size
 th	26-Nov-2020 7:27 ...	File folder	
 tk-tm	26-Nov-2020 7:27 ...	File folder	
 tr	26-Nov-2020 7:27 ...	File folder	
 tt	26-Nov-2020 7:27 ...	File folder	
 UCMARedist	26-Nov-2020 7:27 ...	File folder	
 ug-cn	26-Nov-2020 7:27 ...	File folder	
 uk	26-Nov-2020 7:27 ...	File folder	
 ur	26-Nov-2020 7:27 ...	File folder	
 uz	26-Nov-2020 7:27 ...	File folder	
 vi	26-Nov-2020 7:27 ...	File folder	
 zh-hans	26-Nov-2020 7:27 ...	File folder	
 zh-hant	26-Nov-2020 7:27 ...	File folder	
 autorun.inf	20-Sep-2020 1:43 ...	Setup Information	1 KB
 EXCHANGESERVER.msi	26-Nov-2020 6:27 ...	Windows Installer ...	7,140 KB
 Microsoft.Exchange.CabUtility.dll	26-Nov-2020 6:19 ...	Application extens...	270 KB
 Microsoft.Exchange.Data.Common.dll	26-Nov-2020 6:23 ...	Application extens...	1,647 KB
 Microsoft.Exchange.Diagnostics.dll	26-Nov-2020 6:19 ...	Application extens...	2,161 KB
 Microsoft.Exchange.Setup.AcquireLangu...	26-Nov-2020 6:25 ...	Application extens...	56 KB
 Microsoft.Exchange.Setup.Bootstrapper...	26-Nov-2020 6:26 ...	Application extens...	91 KB
 Microsoft.Exchange.Setup.SignVerfWrap...	26-Nov-2020 6:25 ...	Application extens...	74 KB
 Setup.EXE	26-Nov-2020 6:27 ...	Application	20 KB

MICROSOFT EXCHANGE SERVER 2019 CUMULATIVE UPDATE 8

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## 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...

0%



### 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 nearest 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

0%



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

2%



## Exchange

# Setup Progress

Step 7 of 17: Language Files

18%



## 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

```
[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 792.3)
```

[servers](#) [databases](#) [database availability groups](#) [virtual directories](#) [certificates](#)



NAME	SERVER ROLES	VERSION	
EX2019	Mailbox	Version 15.2 (Build 792.3)	EX2019 Mailbox Version 15.2 (Build 792.3) Enterprise Licensed

## Exchange Server 2019

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PowerShell Copy

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

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This concludes the upgrade process of Exchange Server 2019.

Thanks

Ram Lan

20<sup>th</sup> Dec 2020

Upgrade start time – 930AM - Upgrade end time – 1115AM