

How to upgrade Exchange Server 2019 – CU10 to CU11

Microsoft released cumulative update 11 for Exchange Server 2019 on 28th Sep 2021. Here is the link - more info about CU11. **It is always good to restart the server before installing cumulative update.**

<https://docs.microsoft.com/en-us/exchange/new-features/updates?view=exchserver-2019>

The following table contains links to Exchange Team blog posts ("What's New" information) for this and other Exchange 2019 CUs.

Version	Blog post
Exchange 2019 CU11	Released: September 2021 Quarterly Exchange Updates
Exchange 2019 CU10	Released: June 2021 Quarterly Exchange Updates
Exchange 2019 CU9	Released: March 2021 Quarterly Exchange Updates
Exchange 2019 CU8	Released: December 2020 Quarterly Exchange Updates
Exchange 2019 CU7	Released: September 2020 Quarterly Exchange Updates
Exchange 2019 CU6	Released: June 2020 Quarterly Exchange Updates
Exchange 2019 CU5	Released: March 2020 Quarterly Exchange Updates
Exchange 2019 CU4	Released: December 2019 Quarterly Exchange Updates
Exchange 2019 CU3	Released: September 2019 Quarterly Exchange Updates
Exchange 2019 CU2	Released: June 2019 Quarterly Exchange Updates
Exchange 2019 CU1	Released: February 2019 Quarterly Exchange Updates
Exchange 2019 RTM	Exchange Server 2019 Now Available

Cumulative Update 11 for Exchange Server 2019 (KB5005334)

Details

Version: 15.02.0986.005	Date Published: 9/24/2021
File Name: ExchangeServer2019-x64-CU11.ISO	File Size: 5.8 GB

KB Articles: [KB5005334](#)

Cumulative Update 11 for Exchange Server 2019 resolves issues that were found in Exchange Server 2019 since the software was released. This update rollup is highly recommended for all Exchange Server 2019 customers.

Cumulative Update 11 for Exchange Server 2019 (KB5005334)

Exchange Server 2019

Notice

This September 2021 cumulative update (CU) will install [Exchange Emergency Mitigation \(EM\) service](#). This service is designed to help secure your servers that are running Microsoft Exchange Server by applying mitigations to address any potential threats against them. It uses the cloud-based Office Config Service (OCS) to check for and download available mitigations and to send [diagnostic data](#) to Microsoft.

This CU has following additional prerequisites:

[IIS URL Rewrite Module](#)
[Universal C Runtime in Windows \(KB 2999226\)](#)

Cumulative Update 11 for Microsoft Exchange Server 2019 was released on September 28, 2021. 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](#).

New feature in this cumulative update

Microsoft Exchange Server 2019 now supports integration with Windows Antimalware Scan Interface (AMSI). This feature enables an AMSI-capable antivirus or antimalware solution to scan content in HTTP requests that're sent to the Exchange Server. Additionally, it will block a malicious request before it's handled by Exchange. For more details, see [More about AMSI integration with Exchange Server](#).

Known issues in this cumulative update

- In multidomain Active Directory forests in which Exchange is installed or was 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 **/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.setipreadiness.SchemaUpdateRequired.aspx](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.setipreadiness.GlobalUpdateRequired.aspx](http://technet.microsoft.com/library(EXCHG.150)/ms.exch.setipreadiness.GlobalUpdateRequired.aspx).

- Autodiscover Event ID 1 occurs after you install Cumulative Update 3 for Exchange Server 2019. For more information, see [KB 4532190](#).
- "500 Unexpected Error" when trying to create a user mailbox in ECP. For more information, see [KB 5001874](#).
- "Cannot Send Mail - Your mailbox is full" error when you use iPhone mail to send very large attachments. For more information, see [KB 5004622](#).

Issues that this cumulative update fixes


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

- [5006980](#) Bad signature error using PerfView in Exchange Server 2019 and 2016 (KB5006980)
- [5006982](#) On-premises Exchange queues back up because of incorrect default value (KB5006982)
- [5006983](#) Exchange Server 2019 and 2016 certificates created during setup use SHA-1 hash (KB5006983)
- [5006984](#) PrepareAD fails if Computers container or RODCs are renamed or moved in Exchange Server 2019 and 2016 (KB5006984)
- [5006986](#) Opening an Outlook message from the desktop removes line spacing (KB5006986)
- [5006988](#) Export of .pst file is unexpectedly triggered again in Exchange Server 2019 and 2016 (KB5006988)
- [5006989](#) Accepted domains with wildcards for subdomains are not honored when Edge server maps AddressSpaces (KB5006989)
- [5006990](#) Exchange CU installation fails after you configure fallback to use default character set (5006990)
- [5006991](#) Mail quota warning messages no longer sent daily in Exchange Server 2019 (KB5006991)
- [5006992](#) No room lists found when trying to add a room in OWA in Exchange Server 2019 or 2016 (KB5006992)

- [5006993](#) Can't log on to OWA in Chrome if SSL is offloaded in Exchange Server 2019 and 2016 (KB5006993)
- [5006994](#) BCC values not retained in Sent Items in a shared mailbox in Exchange Server 2019 and 2016 (5006994)
- [5006995](#) Korean email messages display some recipients incorrectly in Exchange Server 2019 and 2016 (KB5006995)
- [5006996](#) Export-AutoDiscoverConfig exposes admin password and does not work against domain controllers that require signing (KB5006997)
- [5006997](#) Korean messages in OWA display "From" as "Start date" after you filter the list in Exchange Server 2019 and 2016
- [5006999](#) "401" error and Outlook repeatedly prompts for credentials in Exchange Server 2019 (KB5006999)
- [5007042](#) Error window appears when you view features in OWA Virtual Directory (KB5007042)
- [5007043](#) Exchange Server SU updates Add/Remove Programs incorrectly (KB5007043)
- [5007044](#) Start-MailboxAssistant not available in EMS in Exchange Server 2019 (KB5007044)

Get Cumulative Update 11 for Exchange Server 2019

Download Center

 [Download Cumulative Update 11 for Exchange Server 2019 \(KB5005334\) now](#)

Volume Licensing Center

To get Cumulative Update 11 for Exchange Server 2019, go to [Microsoft Volume Licensing Center](#).

Note The Cumulative Update 11 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 11.

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 might 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	SHA256 hash
ExchangeServer2019-x64-cu11.iso	79F87AAD53E9A633291ADDEFB14DB574BACB673C784CED67C606A7356D215771

File information

File hash information

File name	SHA256 hash
ExchangeServer2019-x64-cu10.iso	A5ABE84FDF53750D631CB4064CAE5E84C293EAD8B94367826925B90BEE6C1EAF

More information

For more information about the deployment of Exchange Server 2019, see [Release notes for Exchange Server 2019](#).

For more information about the coexistence of Exchange Server 2019 and earlier versions of Exchange Server in the same environment, see [Exchange Server 2019 system requirements](#).

For more information about other Exchange updates, see [Exchange Server Updates: Build numbers and release dates](#).

I am going to upgrade my exchange server 2019 to CU11. It is currently running CU10. 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-List Name, Edition, AdminDisplayVersion

Name           : EX2019
Edition        : Enterprise
AdminDisplayVersion : Version 15.2 (Build 922.7)
```

Exchange 2019 Version History:

Exchange Server 2019

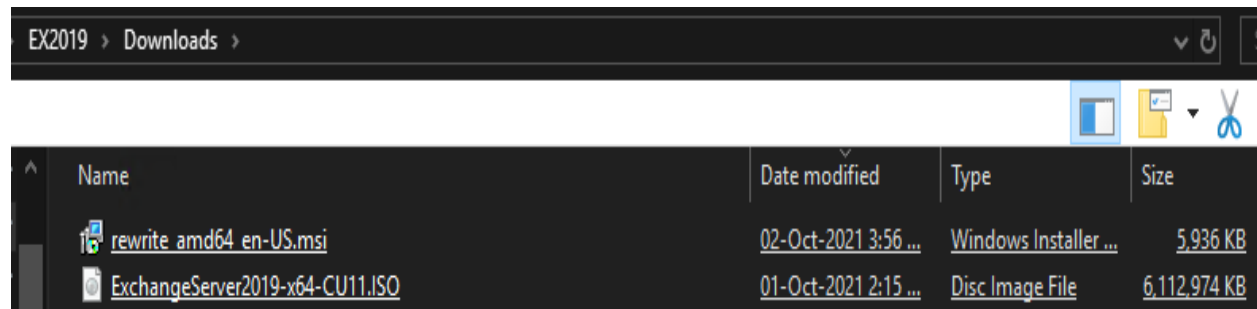
The table in this section provides build numbers and general release dates for each version of Microsoft Exchange Server 2019.

Product name	Release date	Build number (short format)	Build number (long format)
Exchange Server 2019 CU11 	September 28, 2021	15.2.986.5	15.02.0986.005
Exchange Server 2019 CU10 Jul21SU	July 13, 2021	15.2.922.13	15.02.0922.013
Exchange Server 2019 CU10	June 29, 2021	15.2.922.7	15.02.0922.007

Now we are ready to install CU11. Before we do complete this pre req


IIS URL Rewrite Module

<https://www.iis.net/downloads/microsoft/url-rewrite>



EX2019 > Downloads >

Name	Date modified	Type	Size
rewrite_amd64_en-US.msi	02-Oct-2021 3:56 ...	Windows Installer ...	5,936 KB
ExchangeServer2019-x64-CU11.ISO	01-Oct-2021 2:15 ...	Disc Image File	6,112,974 KB



IIS URL Rewrite Module 2 Setup

Please read the IIS URL Rewrite Module 2 License Agreement

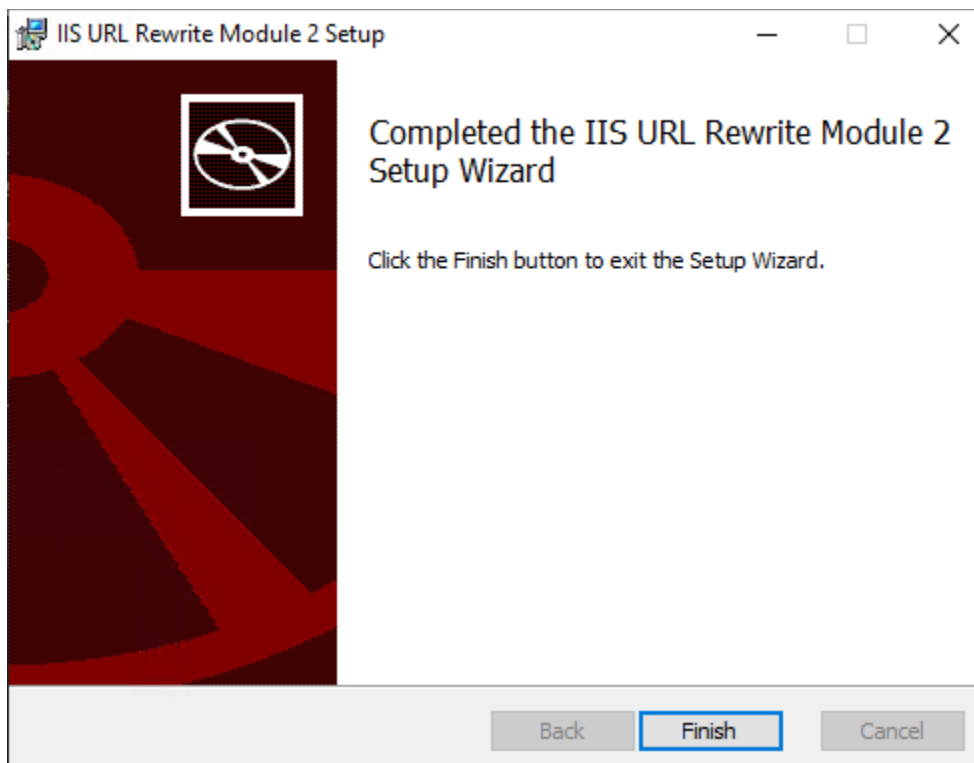
MICROSOFT SOFTWARE SUPPLEMENTAL LICENSE TERMS

URL REWRITE MODULE

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I accept the terms in the License Agreement

Print Back Install Cancel



Mount the ISO and run setup.exe

MICROSOFT EXCHANGE SERVER 2019 CUMULATIVE UPDATE 11



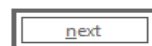
Check for Updates?

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



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...

36%



Exchange

Initializing Setup...

Setup is preparing the necessary resources before it can continue to the next step.



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

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. Your use of this software may be subject to the additional agreements Microsoft has with you or your organization.

- I acept the license agreement and will share diagnostic data with Microsoft (recommended).
- I accept the license agreement, but I'm not ready to share diagnostic data with Microsoft.
- I do not accept the license agreement.

[Learn more](#)

Exchange

next

Readiness Checks

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

Configuring Prerequisites

95%



Exchange

back

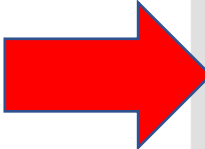
install

Readiness Checks

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

Prerequisite Analysis

100%



Error:
A reboot from a previous installation is pending. Please restart the system and then rerun Setup.
For more information, visit: [http://technet.microsoft.com/library\(EXCHG.150\)/ms.exch.setupreadiness.RebootPending.aspx](http://technet.microsoft.com/library(EXCHG.150)/ms.exch.setupreadiness.RebootPending.aspx)

Error:
Setup can't continue with the upgrade because the Veeam.EndPoint.Service (5112) 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](http://technet.microsoft.com/library(EXCHG.150)/ms.exch.setupreadiness.ProcessNeedsToBeClosedOnUpgrade.aspx)

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

retry

Had to fix above 2 errors before continuing with CU11 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.

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

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

```
show quick reference guide: QuickRef
/ERBOSE: Connecting to EX2019.RAMLAN.CA.
/ERBOSE: 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 986.5)

[PS] C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Microsoft Exchange Server 2019>
```

Exchange Server 2019

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

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Exchange Server 2019 CU11 ↗	September 28, 2021	15.2.986.5	15.02.0986.005
Exchange Server 2019 CU10 Jul21SU ↗	July 13, 2021	15.2.922.13	15.02.0922.013

This concludes the upgrade process of Exchange Server 2019 CU11.

Thanks

Ram Lan

2nd Oct 2021