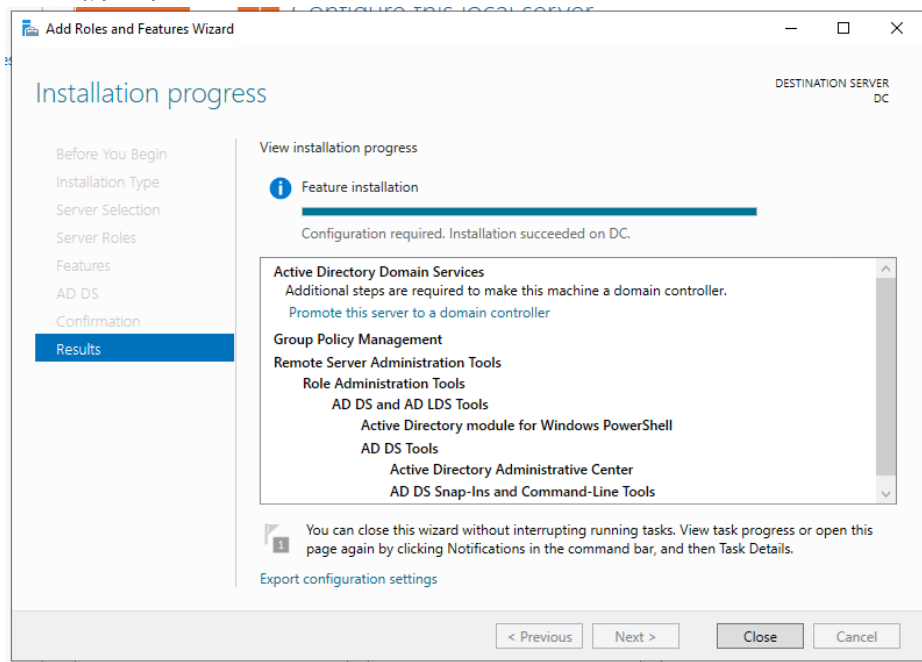
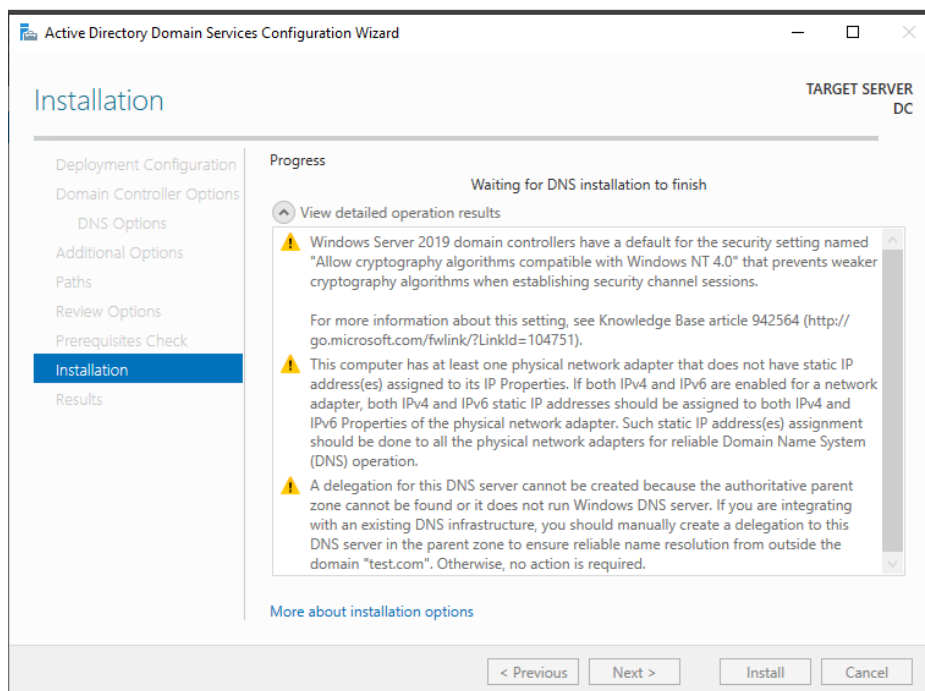


1. DC 先搞起来。



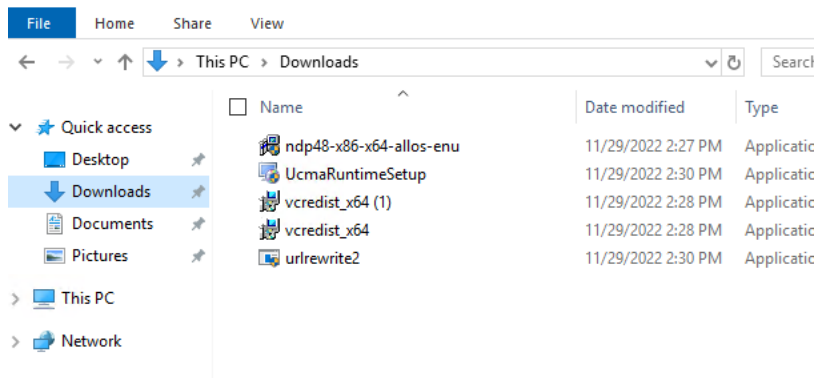
设置 Root Domain。



各台机器加域。

2. Exchange 2019 初始条件准备参考文档。

[Exchange Server prerequisites, Exchange 2019 system requirements, Exchange 2019 requirements | Microsoft Learn](#)



以及一些前置组件。

Install-WindowsFeature RSAT-ADDS

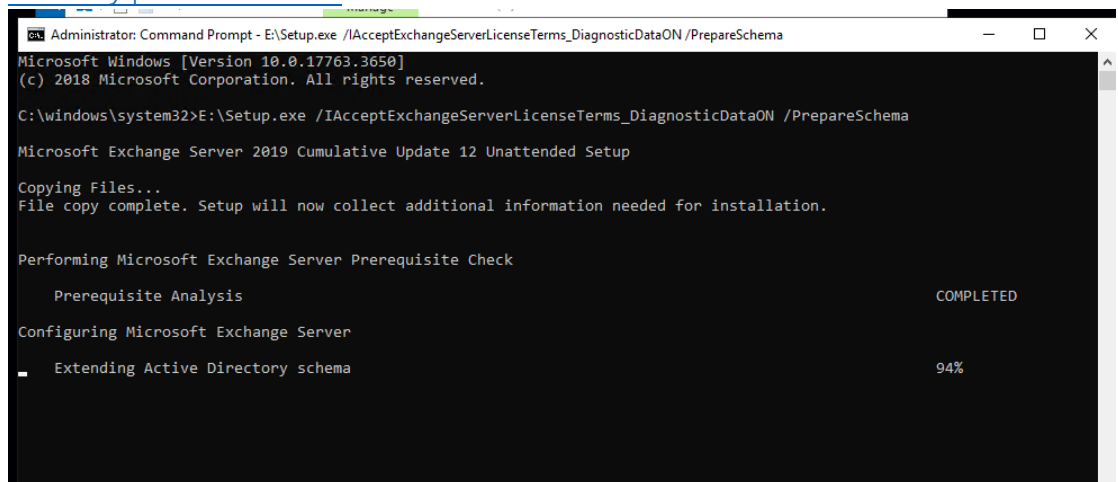
Install-WindowsFeature Server-Media-Foundation

Install-WindowsFeature Server-Media-Foundation, NET-Framework-45-Features, RPC-over-HTTP-proxy, RSAT-Clustering, RSAT-Clustering-CmdInterface, RSAT-Clustering-Mgmt, RSAT-Clustering-PowerShell, 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

重启。

3. Prepare AD 相关。

[Prepare Active Directory and domains for Exchange Server, Active Directory Exchange Server, Exchange Server Active Directory, Exchange 2019 Active Directory | Microsoft Learn](#)



4. 管理员模式运行 Exchange 安装包，或使用 Unattended Mode 安装。
E:\Setup.exe /IAcceptExchangeServerLicenseTerms_DiagnosticDataON /mode:Install /r:MB

```
The Exchange Server Setup operation completed successfully.
C:\windows\system32>E:\Setup.exe /IAcceptExchangeServerLicenseTerms_DiagnosticDataON /mode:Install /r:MB
Microsoft Exchange Server 2019 Cumulative Update 12 Unattended Setup
Copying Files...
File copy complete. Setup will now collect additional information needed for installation.
Languages
Management tools
Mailbox role: Transport service
Mailbox role: Client Access service
Mailbox role: Mailbox service
Mailbox role: Front End Transport service
Mailbox role: Client Access Front End service
Performing Microsoft Exchange Server Prerequisite Check
Configuring Prerequisites
Prerequisite Analysis COMPLETED 90%
```

5. 开始部署 OOS。

6. 集成。

New-OfficeWebAppsFarm -InternalURL <https://oos.contoso.com> -ExternalURL <https://oos.contoso.com> -CertificateName "Office Online Server Preview Certificate"

Set-MailboxServer MBX -WacDiscoveryEndpoint <https://oos.contoso.com/hosting/discovery>

Set-OrganizationConfig -WacDiscoveryEndpoint <https://oos.internal.contoso.com/hosting/discovery>

Restart-WebAppPool MsExchangeOwaAppPool

[Install Office Online Server in an Exchange organization | Microsoft Learn](#)

讨论后偷懒使用 http。

New-OfficeWebAppsFarm -InternalURL <http://oos.test.com> -AllowHttp -EditingEnabled

Set-OrganizationConfig -WacDiscoveryEndpoint <http://oos.test.com/hosting/discovery>

Set-MailboxServer EX1 -WacDiscoveryEndpoint <http://oos.test.com/hosting/discovery>

重启 IIS。

Update OOS part details for your reference:

Reference: <https://learn.microsoft.com/en-us/officeonlineserver/deploy-office-online-server>

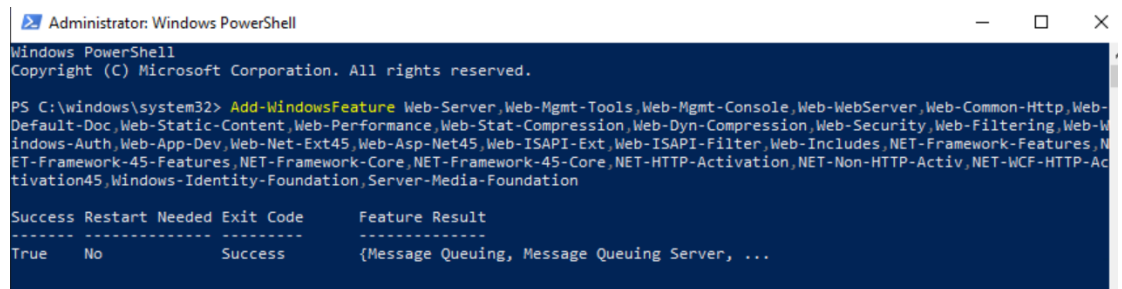
System requirement:

Windows Server 2012 R2, Windows Server 2016 or Windows Server 2019 or Windows Server 2022.

Deployment steps:

1. Install prerequisite software for Office Online Server.
 - Open Microsoft PowerShell prompt as administrator and then run below commands:

Add-WindowsFeature Web-Server, Web-Mgmt-Tools, Web-Mgmt-Console, Web-WebServer, Web-Common-Http, Web-Default-Doc, Web-Static-Content, Web-Performance, Web-Stat-Compression, Web-Dyn-Compression, Web-Security, Web-Filtering, Web-Windows-Auth, Web-App-Dev, Web-Net-Ext45, Web-Asp-Net45, Web-ISAPI-Ext, Web-ISAPI-Filter, Web-Includes, NET-Framework-Features, NET-Framework-45-Features, NET-Framework-Core, NET-Framework-45-Core, NET-HTTP-Activation, NET-Non-HTTP-Activ, NET-WCF-HTTP-Activation45, Windows-Identity-Foundation, Server-Media-Foundation

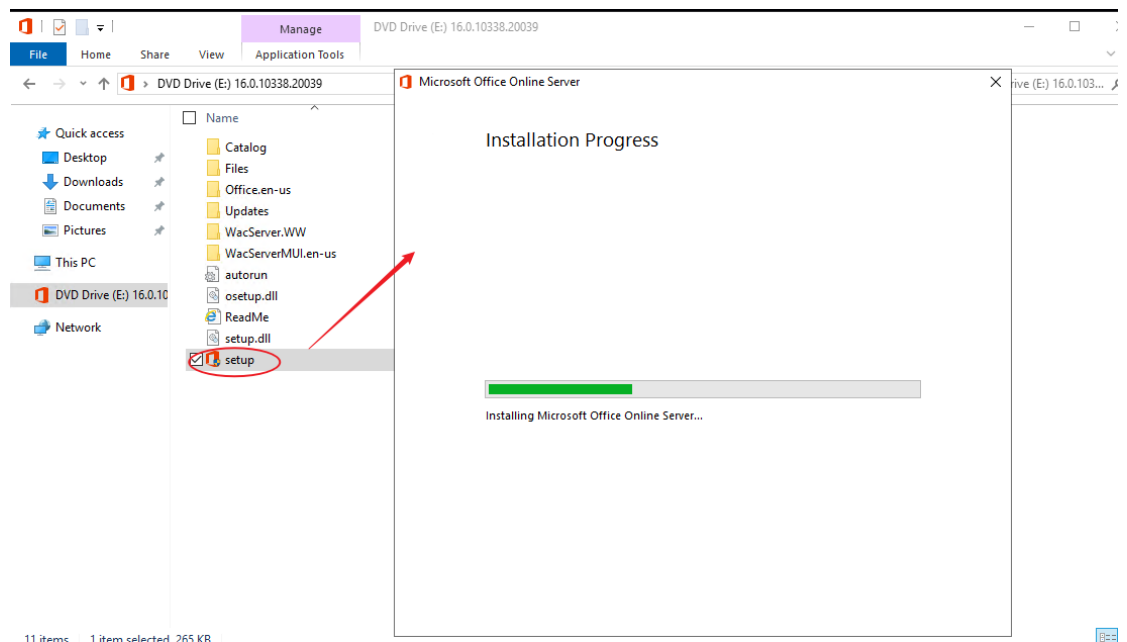


```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\windows\system32> Add-WindowsFeature Web-Server, Web-Mgmt-Tools, Web-Mgmt-Console, Web-WebServer, Web-Common-Http, Web-Default-Doc, Web-Static-Content, Web-Performance, Web-Stat-Compression, Web-Dyn-Compression, Web-Security, Web-Filtering, Web-Windows-Auth, Web-App-Dev, Web-Net-Ext45, Web-Asp-Net45, Web-ISAPI-Ext, Web-ISAPI-Filter, Web-Includes, NET-Framework-Features, NET-Framework-45-Features, NET-Framework-Core, NET-Framework-45-Core, NET-HTTP-Activation, NET-Non-HTTP-Activ, NET-WCF-HTTP-Activation45, Windows-Identity-Foundation, Server-Media-Foundation

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

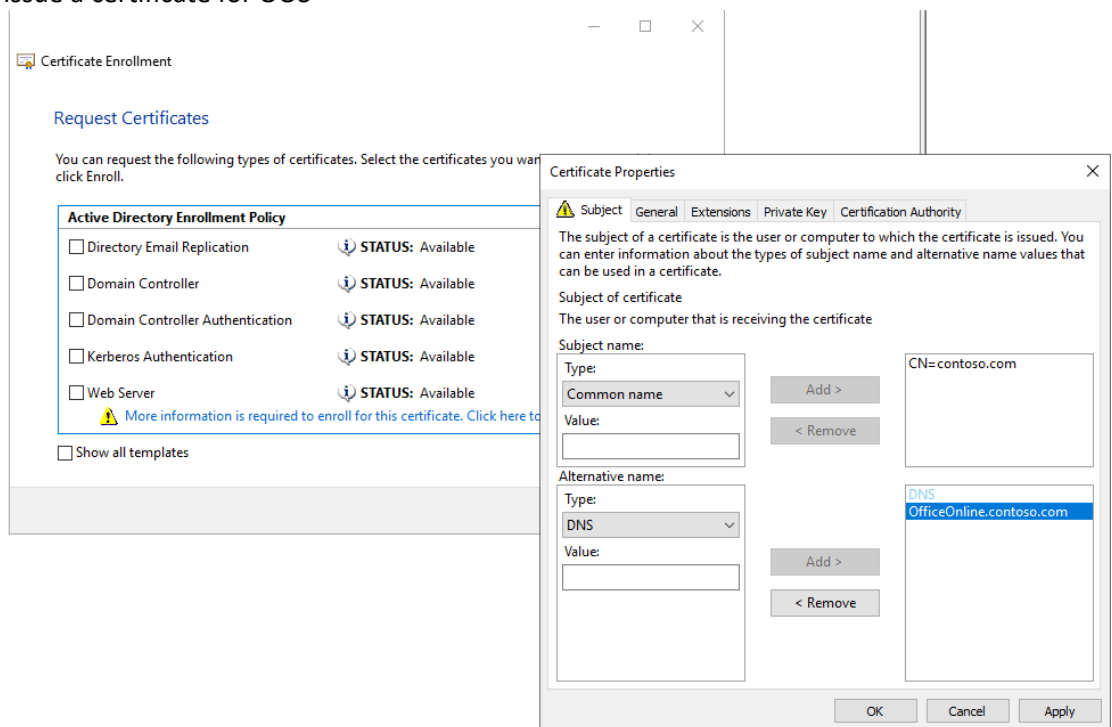
- [Visual C++ Redistributable Packages for Visual Studio 2013](#)
 - [Visual C++ Redistributable for Visual Studio 2015](#)
 - [Microsoft.IdentityModel.Extention.dll](#)
2. Install Office online server.
 - Download Office Online Server from VLSC.
 - Run setup.exe

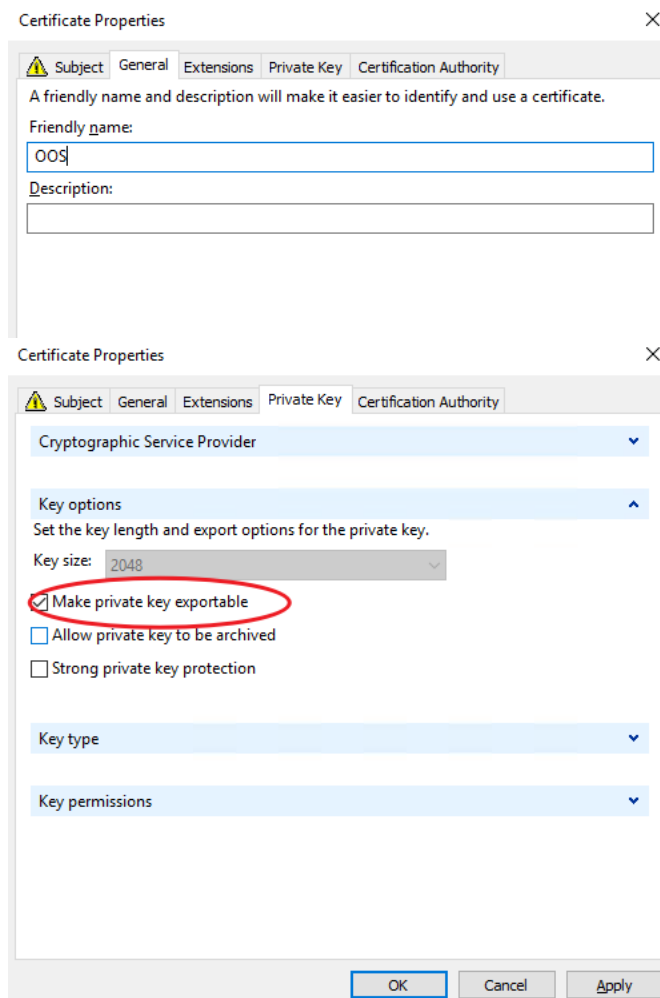


3. Windows Server 2019 requires Office Online Server July 2021 patch or later. Install November 8, 2022 security update (KB5002276)

[Description of the security update for Office Online Server: November 8, 2022 \(KB5002276\) – Microsoft Support](#)

4. Issue a certificate for OOS





5. Deploy a single-server Office Online Server farm that uses HTTPS

```
Administrator: Windows PowerShell

FarmOU :
InternalURL : https://officeonline.contoso.com/
ExternalURL : https://officeonline.contoso.com/
AllowHTTP : False
AllowOutboundHttp : False
SSLOffloaded : False
CertificateName : OOS
S2SCertificateName :
EditingEnabled : True
LogLocation : C:\ProgramData\Microsoft\OfficeWebApps\Data\Logs\ULS
LogRetentionInDays : 7
LogVerbosity :
Proxy :
CacheLocation : C:\ProgramData\Microsoft\OfficeWebApps\Working\d
MaxMemoryCacheSizeInMB : 75
DocumentInfoCacheSize : 5000
CacheSizeInGB : 15
ClipartEnabled : False
OnlinePictureEnabled : False
OnlineVideoEnabled : False
MorphEnabled : True
TranslationEnabled : False
MaxTranslationCharacterCount : 125000
TranslationServiceAppId :
TranslationServiceAddress :
RenderingLocalCacheLocation : C:\ProgramData\Microsoft\OfficeWebApps\Working\waccache
RecycleActiveProcessCount : 5
AllowCEIP : False
OfficeAddinEnabled : False
ExcelRequestDurationMax : 300
ExcelSessionTimeout : 450
ExcelWorkbookSizeMax : 30
ExcelPrivateBytesMax : -1
ExcelConnectionLifetime : 1800
ExcelExternalDataCacheLifetime : 300
ExcelAllowExternalData : True
ExcelUseEffectiveUserName : False
ExcelWarnOnDataRefresh : True
ExcelUdfsAllowed : False
ExcelMemoryCacheThreshold : 85
ExcelUnusedObjectAgeMax : -1
ExcelCachingUnusedFiles : True
ExcelAbortOnRefreshOnOpenFail : True
ExcelEnableCrossForestKerberosAuthentication : False
ExcelAutomaticVolatileFunctionCacheLifeTime : 300
ExcelConcurrentDataRequestsPerSessionMax : 5
ExcelDefaultWorkbookCalcMode : File
ExcelRestExternalDataEnabled : True
ExcelChartAndImageSizeMax : 1
OpenFromUrlEnabled : False
OpenFromUncEnabled : True
OpenFromUrlIntranetIpEnabled : True
OpenFromUrlThrottlingEnabled : True
PicturePasteDisabled : True
RemovePersonalInformationFromLogs : False
AllowHttpSecureStoreConnections : False
Machines : {OOS}
```