

Skrevet af:

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Systemkrav:

AD Server:	Hardware: 4+ GB RAM, 30+ GB Harddisk Software: Windows Server 2016 <i>fuldt opdateret</i> Services: DNS, AD
Exchange Server:	Hardware: 12+ GB RAM, 60+ GB Harddisk Software: Windows Server 2016 <i>fuldt opdateret</i> Exchange Server 2016 <i>fuldt opdateret</i>

Server Prerequisites (cont)

Følg wizard og installer Mailbox server rolle

Installer følgende features via PowerShell:

```
Install-WindowsFeature NET-Framework-45-Features, RPC-over-HTTP-proxy, RSAT-Clustering, RSAT-Clustering-ComponentInterface, RSAT-Clustering-Mgmt, RSAT-Clustering-PowerShell, Web-Mgmt-Console, WAS-Proxies-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-Static-Compression, Web-StaticContent, Web-Windows-Auth, Web-WMI, Windows-Indenitiation, RSAT-ADDS.
```

Server Prerequisites

På begge servers:

.NET Framework 4.7.1

Microsoft Visual C++ x64 Runtime

Unified Communications Managed API Runtime

Remote Server Administration Tools (RSAT)

På AD Server:

Installer følgende features via CMD (med Exchange Admin user):

```
Setup /PrepareSchema /IAcceptExchangeServerLicenseTerms
```

```
Setup /PrepareAD /OrganizationName: [OrganizationName] /IAcceptExchangeServerLicenseTerms
```

```
Setup /Role: ManagementTools /IAcceptExchangeServerLicenseTerms
```

På Exchange Server:

Brug GUI setup.exe filen til at installere Exchange

Server Konfiguration

Computernavn: [Lokation]-[Rolle]

IP-Adresse: server adresser bør være statiske

Domain: *TLD required*

Administration: Exchange serveren tilmeldes AD Server. Opret en bruger til Exchange management.

Brugeren skal være medlem af:

- Administrators
- Domain admins
- Enterprise admins
- Schema admins

Brugere: Oprettes via PowerShell eller GUI

Domain/Forest Windows Server 2012 R2 (minimum)

Functional Level



Server Konfiguration (cont)

Domain Control: Global Catalog

Kontrol af setup

EXCHANGE ADMIN CENTER [https://\[servernavn\]/ecp](https://[servernavn]/ecp)

OUTLOOK WEB APP [https://\[servernavn\]/owa](https://[servernavn]/owa)

Tjek evt. logs på c:\ExchangeSetupLogs

Interne/eksterne adresser sættes op i
EAC/ECP -> Servers -> Virtual Directories

Brugere

Oprettes via
EAC/ECP → modtagere → postkasser → ny brugerpostkasse
oprettede exchange brugere oprettes automatisk til
AD

MailBox Konfiguration

Åben Exchange Management Shell (EMS)

Aktivering: Enable -Mailbox -identity [alias]
-Database [database navn]
(hvis bruger er i AD)

Flytning: New-MailboxRequest -Identity '[alias]'
-TargetDatabase "[database navn]"

Sletning: Remove-Mailbox -Identity '[alias]' -
Permanent \$true
(sletter også bruger i AD)

Deaktivering: Disable-Mailbox -Identity '[alias]'
(deaktiverer også bruger i AD)

Retablering: EAC/ECP → Recipients → More
→ Connect Mailbox → Vælg brugerpostkasse

Alternativt kan dette også gøre via EAC/ECP GUI

Administrative Exchange roller

Organization Management fuld adgang

Recipient Management adgang til ændringer af recipients

Public Folder Management adgang til ændringer af public folders

View-Only Organization Management view-only adgang af alt

Du kan oprette grupper i AD som giver adgang til disse roller

Certifikater

1) Oprettelse:

EAC/ECP → Servers → Certificates → New
→ Create a request... → udfyld formular

2) Opret certifikatet på AD serveren:

Submit base-64 encoded text request
→ Download certifikatet på Exchange serveren

3) Implementering:

EAC/ECP → Servers → Certificates → Vælg certifikatet der er
pending → Vælg "Complete" → Udfyld stien til certifikatet → OK →
Rediger → Tjenester → [Vælg tjenester]

Mailbox Types

User Mailbox

Alm. bruger postkasse

Shared Mailbox

Fælles postkasse, brugere kan få adgang til uden at købe ekstra
licenser.

Distribution Group

Statisk adresseliste som automatisk videresender indkommende
mail til tilknyttede brugere. Manuelt defineret.

Dynamic Distribution Group

Automatisk defineret adresseliste som opdateres ud fra variabler
defineret i AD.

Mailbox Types (cont)

Resources/Room/Equipment

Reservation af rum, udstyr eller andre ressourcer f.eks. i kalenderen.

Contacts

Eksterne kontakter som oprettes i AD, videresendes til ekstern mail server.

Public Folders

Opret Public Folder Mailbox:

EAC/ECP → Public folders → Mailboxes → New Public Folder

- Vælg placering i OU

- Vælg den mailbox database oprettet tidligere til Public Folders

Opret Public Folder:

EAC/ECP → Public folders → New Public Folders

Rediger permissions:

EAC/ECP → Public Folders → Public Folders → "Select folder" →

Permissions → Administration → Add User → Select Permissions

Mail-Enabled Public Folder:

EAC/ECP → Public Folders → Public Folders → "Select folder" →

Aktiver

MX Records

Åben PowerShell med administrator rettigheder:

```
Add-DN SSe rve rRe sou rce Rec ordMX -Compu tername
[AD-Se rve rnavn] -Prefe rence 10 -name "." -
MailE xchange " [Ex cha nge -se rve rna vn] " -
ZoneName " [Do mæne]
```

Bekræft MX-recorden ved at bruge følgende kommandoer:

```
Nslookup
set type=mx
[domæn e].dk
```

Tilføj Accepted Domains

EAC/ECP → MailFlow → Accepterede Domæner → Ny

Indstil Postmaster

Åbn Exchange Management Shell (EMS), skriv følgende:

```
Set-Tr ans por tConfig -Exter nal Pos tma ste rAd -
dress Admini str ato r@[ domæne]
```

Kontroller at Postmasteren har tilknyttet e-mail adresser:

```
Get-Tr ans por tConfig | Select Extern alP ost -
mas ter Address
```

MailBox Database

Åben Exchange Management Shell (EMS), skriv følgende:

```
Invoke -Co mmand -Compu terName [excha nge -se -
rve rnavn] {New-Item [Maild ata bas e-f old ernavn]
-ItemType directory}
New-Ma ilb oxD atabase -Name '[data bas enavn]' -
EdbFi lePath '[Mail dat aba se- fol der nav n] \
[da tab ase nav n].edb' -Server [Exchange Server
FQDN]
Mount- Dat abase -Identity [datab ase navn]
```

Alternativt kan dette også gøre via EAC/ECP GUI

Connectors

SMTP Simple Mail Transfer Protocol	Port 25 (Ukrypteret) Port 587 (Krypteret)
POP3 Post Office Protocol	Port 110 (Ukrypteret) Port 995 (Krypteret)
IMAP Internet Message Access Protocol	Port 143 (Ukrypteret) Port 993 (Krypteret)
MAPI Messaging Application Progra - mming Interface	Port 135
Services:	
Microsoft Exchange POP3 + POP3 BackEnd	
Microsoft Exchange Imap4 + IMAP4 BackEnd	

Connectors (cont)

Exchange Management Shell:

```
Set-PopSettings -Server ZBC1-Exchange -MaxConnections 10
Restart-Service MExchange POP3
Set-ImapSettings -Server ZBC1-Exchange -MaxConnections 50
Restart-Service MExchange eImap4
```

IMAP/POP3/SMTP Certifikater

IMAP4 SETUP:

- Start IMAP4 Services automatisk

- Konfigurer IMAP4 for klienterne

```
Set-ImapSettings -ExternalConnectionSettings "mail.[domæne].dk:993:SSL", "mail.[domæne].dk:143:TL S" -X509CertificateName mail.[domæne].dk
```

- Genstart IMAP4 Services

```
Restart-Service MExchange eIMAP4
```

```
Restart-Service MExchange eIMAP4BE
```

POP3 SETUP:

- Start POP3 Services automatisk

- Konfigurer POP3 for klienterne

```
Set-PopSettings -ExternalConnectionSettings "mail.[domæne].dk:995:SSL", "mail.[domæne].dk:110:TL S" -X509CertificateName mail.[domæne].dk
```

- Genstart POP3 services

```
Restart-Service MExchange ePOP3
```

```
Restart-Service MExchange ePOP3BE
```

SMTP SETUP:

- Konfigurer Receive connector

```
Get-ReceiveConnector -Identity "ClientFrontend*" | Set-ReceiveConnector -Fqdn [exchange-servername].[domæne].dk
```

- Certifikat

Eksempel fra Microsoft Technet

```
$TLSCert = Get-ExchangeCertificate -Thumbprint 434AC224C8459924B26521298CE8834C514856AB
```

IMAP/POP3/SMTP Certifikater (cont)

```
$TLSCertificateName = "<I> $($TLSCertificateIssuer) <S> $($TLSCertificateSubject)"
```

```
Get-ReceiveConnector -Identity "ClientFrontend*" | Set-ReceiveConnector -TlsCertificateName $TLSCertificateName
```

- Vis SMTP settings i OWA

```
Get-ReceiveConnector -Identity "ClientFrontend*" | Set-ReceiveConnector -AdvertiseClientSettings $true
```

Backup

Installer følgende features via PowerShell på Exchange Serveren:

```
Install-WindowsFeature Windows-Server-Backup
```

Planlægning af backup sker via wizard

Det anbefales at vælge FULL Server, en gang om dagen

Alternativt kan dette også gøre via EAC/ECP GUI

Monitorering

Performance:

Performance Monitor kan åbnes via kommandoen PERFMON

Mail Queue:

Exchange Toolbox → Queue Viewer → Messages/Queues

Mail Tracking:

EAC/ECP → MailFlow Delivery Reports