

Office 365 Exchange Migration - Hybrid

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Review cutover document to see what applies as it is a more comprehensive list

[365 Exchange Cutover Migration](#)

Create 365 domain

ID Exchange domains that will be needed

Add public domains as routable domains

Add public domains to 365

Update SPF & related

Create "365sync" group on premise

Set as Universal Group

Update users with email domain using script

[Routable Domain](#)

Setup sync between on-premise

Include option for Hybrid Exchange

Include SSO option

Setup [SSO](#)

Run on-premise Exch commands to sync permissions between on-premise and cloud

Set-OrganizationConfig -ACLableSyncedObjectEnabled \$True

Create 2 test accounts. One for on-premise testing, the second to migrate to 365 Cloud for testing

Add all Exchange related accounts to "365sync" group or accounted for in other ways (duplicated in 365 EOL)

Users

Shared Mailbox

Contacts

Distribution groups

Dynamic Distribution Groups

On-premise need to add external email addresses

365 need to recreate groups and ensure external email addresses are included

Set Default domain within 365

Monitor and clear out any sync errors

Take documentation for rules, send connectors, receive connectors

Update RULES in Exchange Online 365 for:

Barracuda: '209.222.80.0/21' or '64.235.144.0/20'

Accent

Update 365 Security

<https://security.microsoft.com/quarantinePolicies>

<https://protection.office.com/antispam>

<https://protection.office.com/antiphishing>

Run Hybrid Configuration Wizard - Use correct link for download Run ELAVATED

Run from Exchange Shell before wizard to prevent MRP endpoint problems

Get-WebServicesVirtualDirectory | Set-WebServicesVirtualDirectory -MRSPProxyEnabled \$false

IISRESET

Get-WebServicesVirtualDirectory | Set-WebServicesVirtualDirectory -MRSPProxyEnabled \$true

IISRESET

<https://aka.ms/hybridwizard>

Update email address policy

Ensure all email address policy have '%domain%.mail.onmicrosoft.com' added

Run script to ensure all existing mailboxes that don't follow address policy get that email address

[Add_SMTTP_365_Proxy_Email.ps1](#)

Duplicate related Exchange Rules from on-premise to 365

Update Firewall rules to allow secure connection between on-premise Exchange and MS 365 EOL/

<https://learn.microsoft.com/en-us/microsoft-365/enterprise/urls-and-ip-address-ranges?view=o365-worldwide>

Purge all old Migration jobs

Get-MoveRequest | ? {\$_.Status -eq "Completed"} | Remove-MoveRequest

Migrate test account to cloud

Test mail flow

External <-> 365 cloud

External <-> on-premise

365 clout <-> on-premise

Get full listing of mailboxes

Export On-Premise listing to CSV and provide to client with easy instructions on sorting
purge/convert/keep

Once you get listing back strip down to just email address and header is "EmailAddress" for quick
import to 365 Exchange

Migrate mailboxes

Check licensing

Be clear with client about expectations

Time

Outlook Problems

Mobile device setup

Outlook RULES

Update settings so that "Sent items" go to the correct mailbox for delegated items.

```
Get-Mailbox -ResultSize unlimited -Filter {(RecipientTypeDetails -eq 'SharedMailbox')} | set-mailbox -MessageCopyForSentAsEnabled $True
```

```
Get-Mailbox -ResultSize unlimited -Filter {(RecipientTypeDetails -eq 'UserMailbox')} | set-mailbox -MessageCopyForSentAsEnabled $True
```

```
Get-Mailbox -ResultSize unlimited -Filter {(RecipientTypeDetails -eq 'SharedMailbox')} | set-mailbox -MessageCopyForSendOnBehalfEnabled $True
```

```
Get-Mailbox -ResultSize unlimited -Filter {(RecipientTypeDetails -eq 'UserMailbox')} | set-mailbox -MessageCopyForSendOnBehalfEnabled $True
```

Update mail flow (MX records)

Update Autodiscover

[Office 365 Exchange Hybrid Migration -Decom](#)

Related Documents

<https://docs.microsoft.com/en-us/powershell/exchange/connect-to-exchange-online-powershell?view=exchange-ps>

<https://docs.microsoft.com/en-us/exchange/permissions>

Related commands

AD<->ADD sync

Start-ADSyncSyncCycle -PolicyType Delta

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