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How to set up hybrid and migrate everything to Office 365

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Platinum Sponsor 2019





Why What How

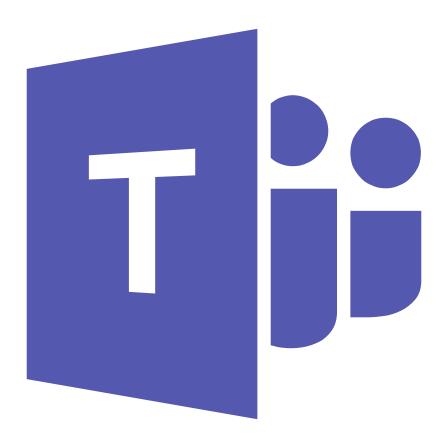
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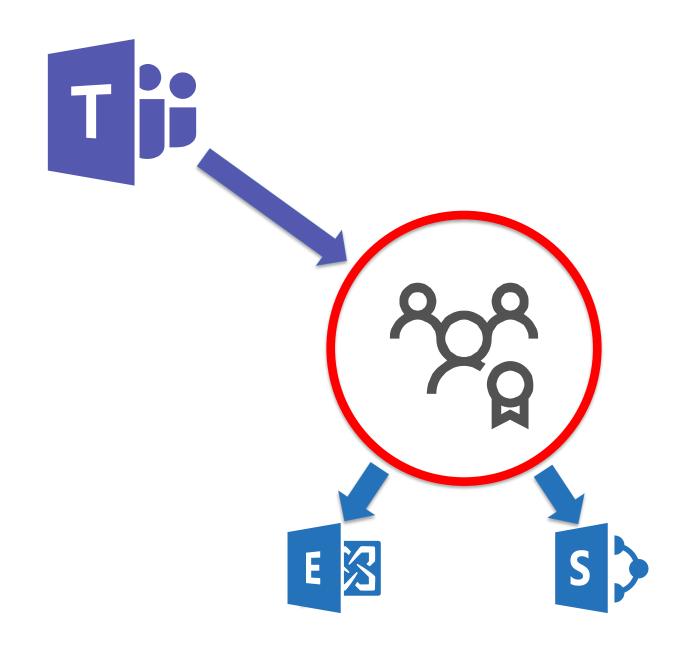
What How

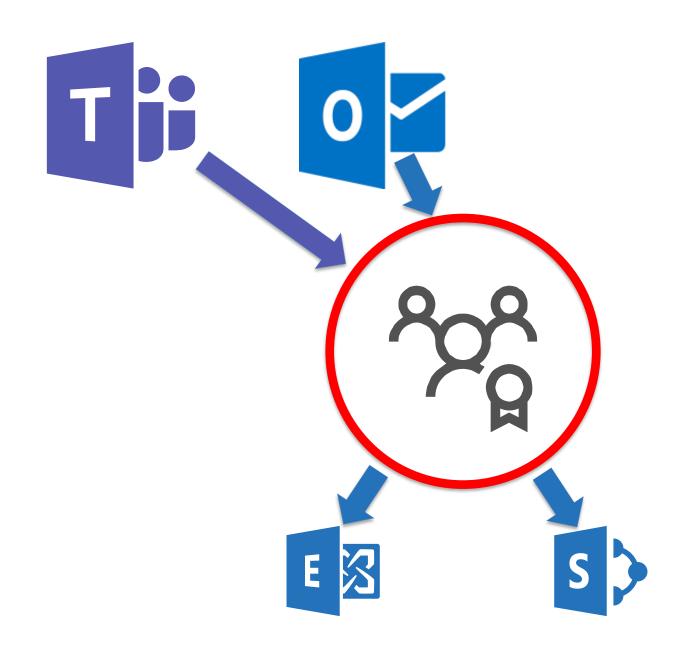


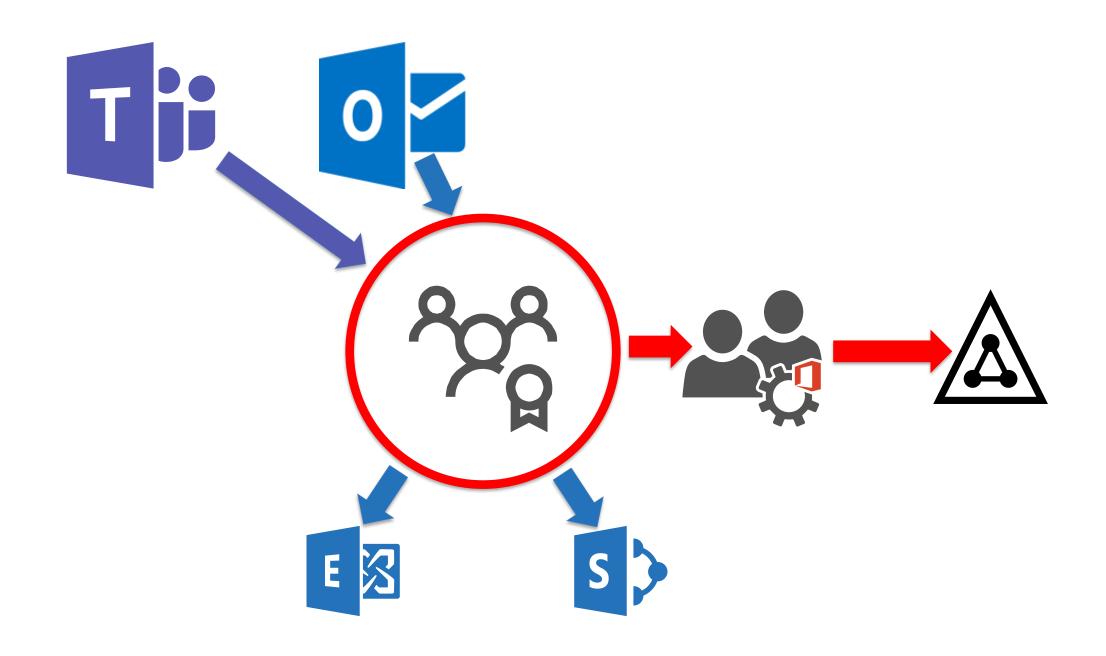


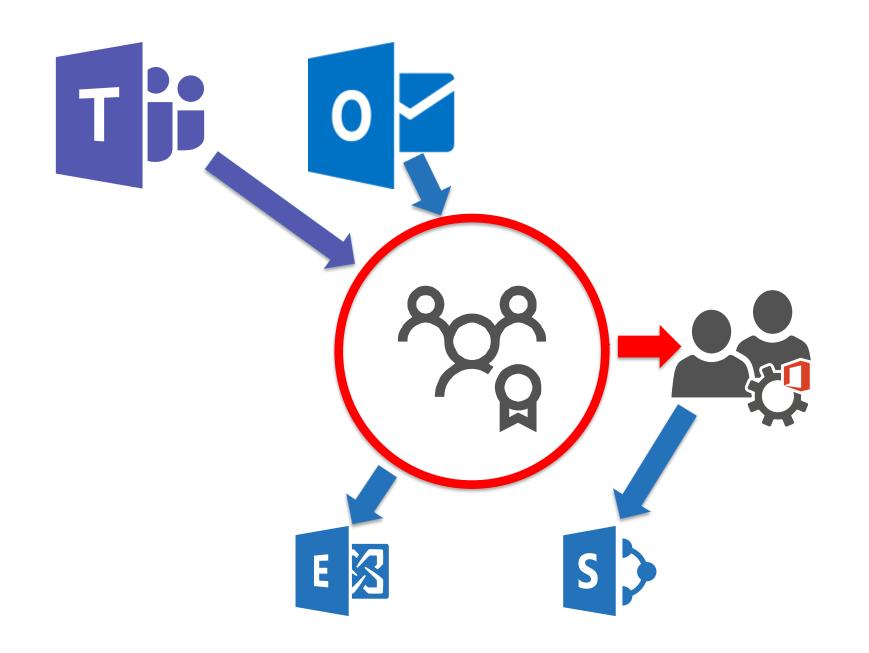


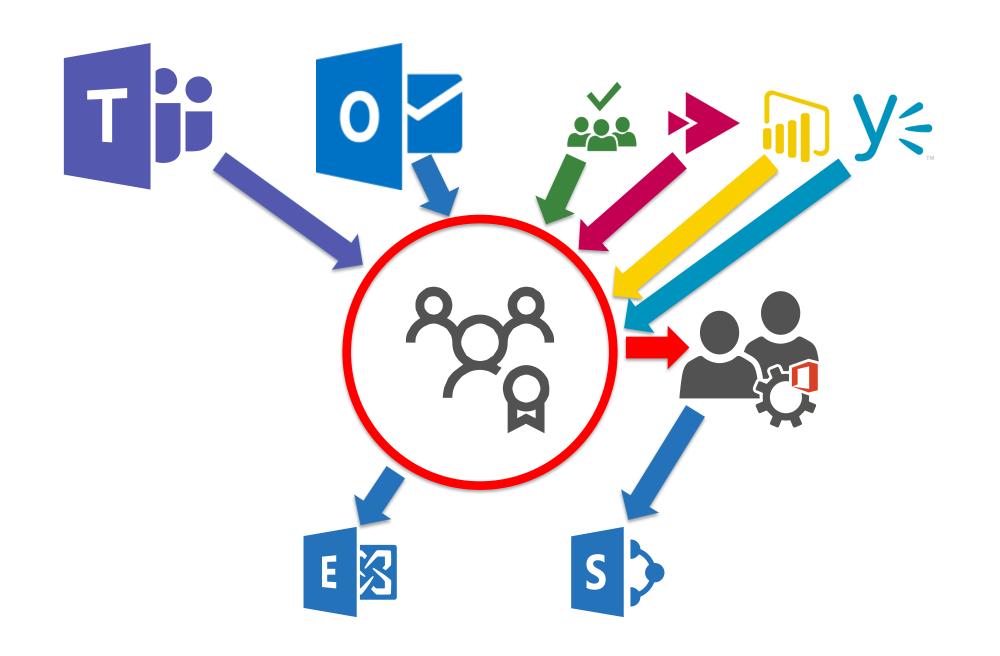


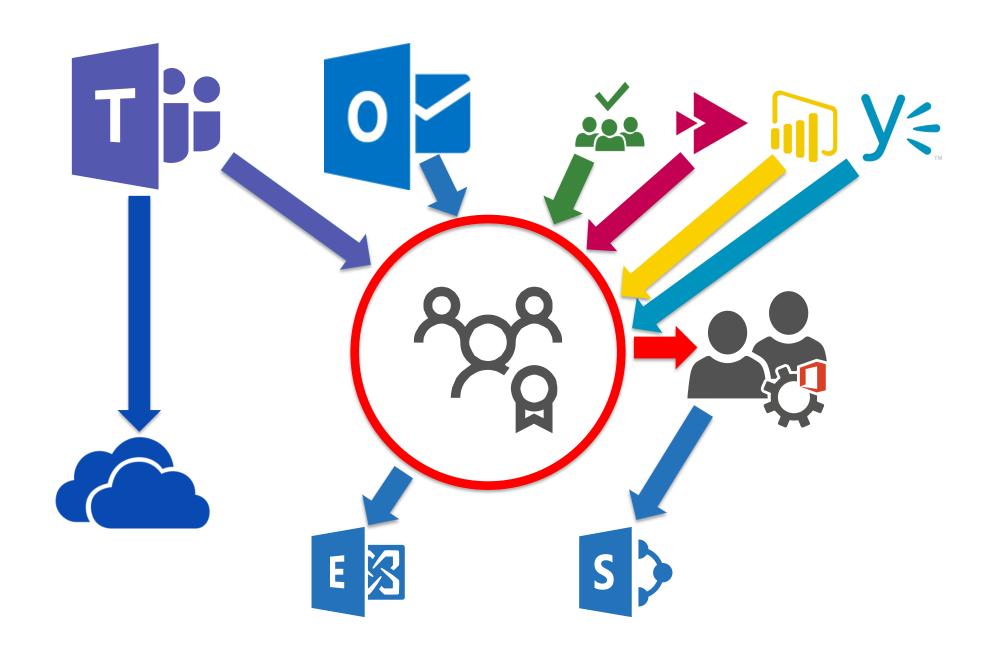












Skype fo

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- Int Teal.
- Phone
- Calling Plan
- PSTN Conferencing
- Hybrid chat/Presenc

Exchange Online Plan for Tenant

- Storage Private chat
- Channel chats are stored in Group mailbox

Exchange on-premises Ex2016 CU3 required for:

- Meetings TAB
- Profile Photo

Lewooks for

feams, Yammer and O365 Groups

script

SharePoint license required for:

• sharing files in 1:1 chat





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What How





Why What How

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Why What



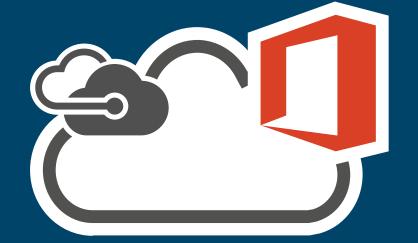
Hybrid overview

- 1. AD health check
- 2. Hybrid identity with Azure AD Connect
- 3. Hybrid Azure AD join of Windows 10 machines
- 4. Exchange hybrid
- 5. Exchange hybrid modern authentication
- 6. Skype for Business hybrid
- 7. Skype for Business hybrid modern authentication
- 8. What type of licenses to use



1. AD Health check

Validates that local AD and settings are cloud ready
Use Idfix to scan for unsupported attributes
Use scripts to validate UPN vs primarysmt vs sipaddress
Goal is to find blockers and create a plan to fix before we start implementation







Reverse Proxy Skype for Business Edge





Exchange Server 2016



Skype for Business Server 2015



2. Hybrid identity with Azure AD Connect

One server in local network
A service that signs in to Azure AD
Syncs users and attributes out to Azure AD
Can enable features such as password sync, password write back
Can enable weak password elimination on-premises and password protection (AADP2)
Best practice is to use cloud native authentication for signing in to cloud services



Syncing of users
Password hash of the hash





Reverse Proxy Skype for Business Edge



Active Directory



Azure AD Connect



Exchange Server 2016



Skype for Business Server 2015



3. Hybrid Azure AD join of Windows 10 machines

Is required for hybrid modern authentication Enabled SSO from a Windows 10 machine to



Enables hybrid Azure AD join of Windows 10 1709 or newer





Reverse Proxy

Skype for Business Edge



Active Directory



Azure AD Connect



Exchange Server 2016

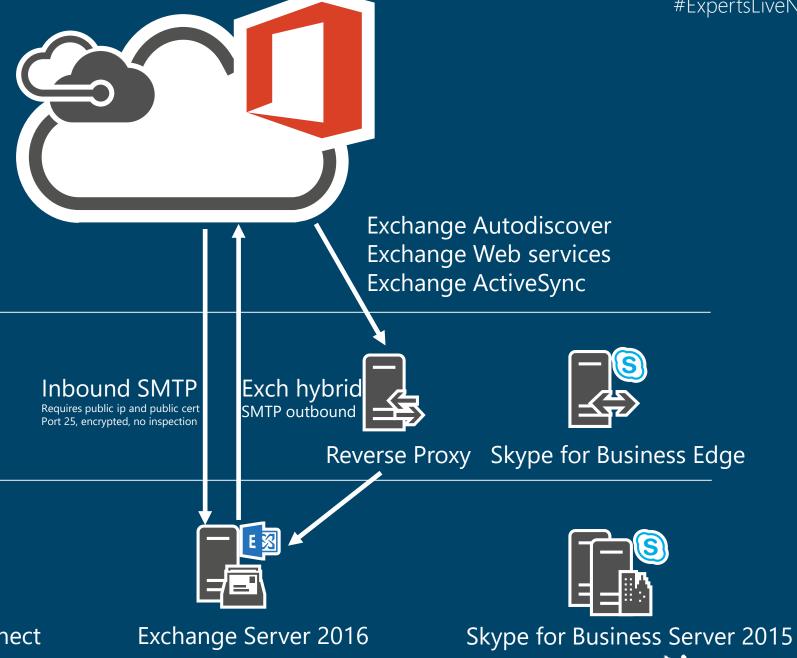


Skype for Business Server 2015



4. Exchange hybrid

Is required for hybrid modern authentication
Enables ability to mix users online and on-premises
Enables use of Exchange Online protection
Enables use of Office 365 advanced threat protection for online users
(safe links, safe attachments)

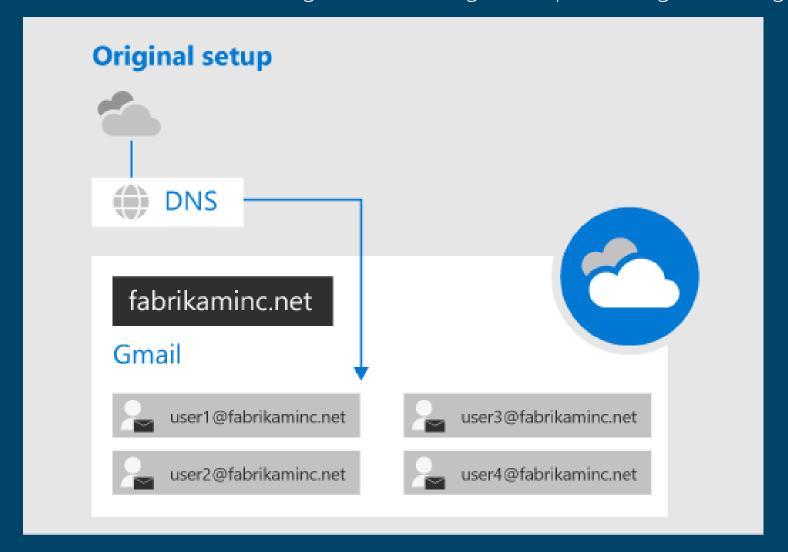


Active Directory



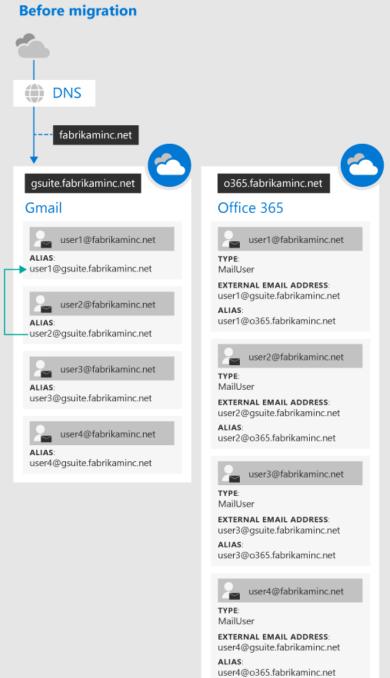


https://docs.microsoft.com/en-us/exchange/mailbox-migration/perform-g-suite-migration





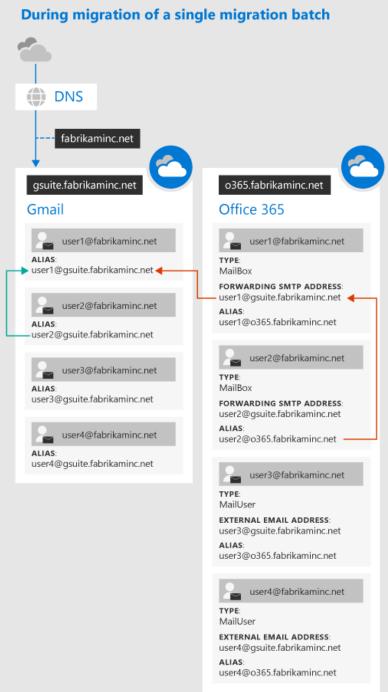
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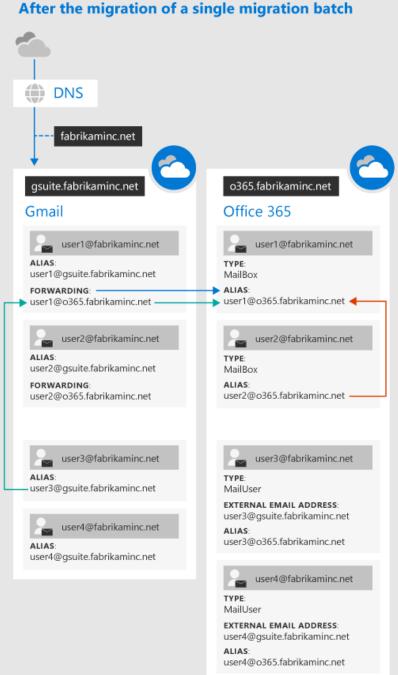
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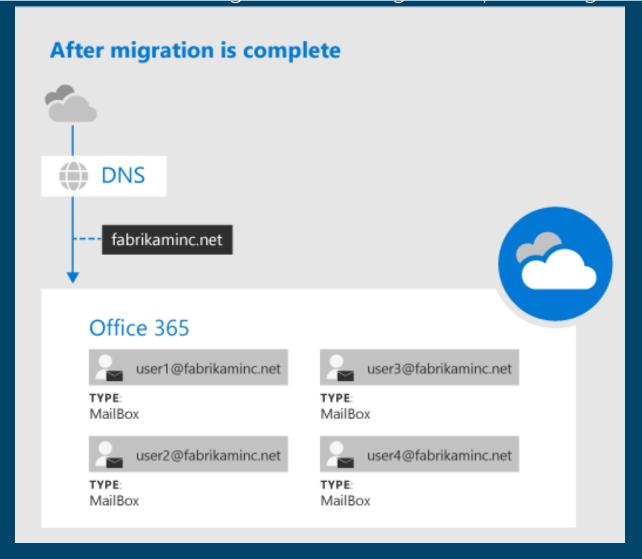
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https://docs.microsoft.com/en-us/exchange/mailbox-migration/perform-g-suite-migration





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This website has been classified as malicious.

Opening this website might not be safe.

http://www.spamlink.contoso.co...

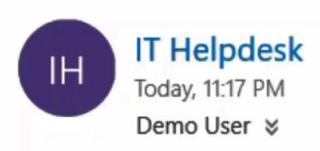
We recommend that you don't open this website, as opening it might not be safe and could harm your computer or result in malicious use of your personal data.

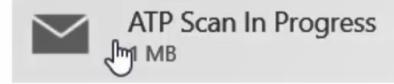
B

X Close this page

Powered by Office 365 Advanced Threat Protection

Safe links





Download Save to OneDrive - Contoso

Safe attachment test

Safe Attachments



5. Exchange hybrid modern authentication

Enables use of Outlook Mobile for on-premises users with modern authentication

We can disable basic authentication on-premises
We can limit all external exchange connectivity to Microsoft only IP addresses

With EMS license you can implement multifactor authentication With EMS license you can implement conditional access With EMS E5 license you can implement risk based conditional access



Prox

3

Reverse Proxy Skype for Business Edge







MFA and conditional access happens here

Hybrid Azure AD join and Intune enrolled as condition

Exchange Server 2016

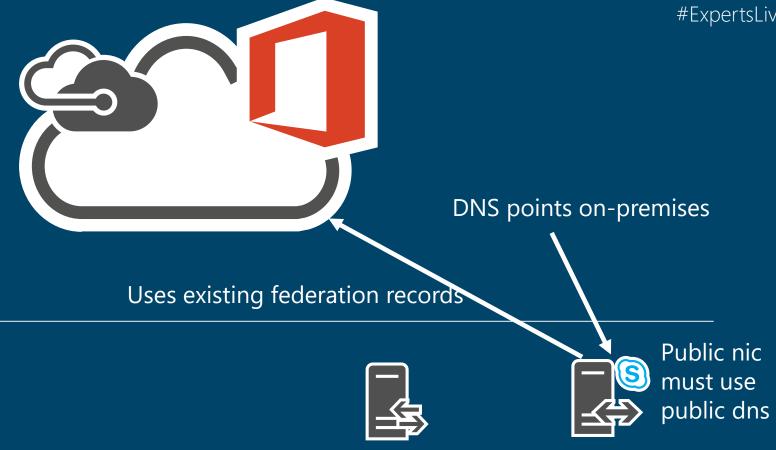


Skype for Business Server 2015



6. Skype for Business hybrid

Enables shared namespace online and on-premises Enables hybrid voice for SfBO users Is required for hybrid modern authentication



Reverse Proxy Skype for Business Edge







Exchange Server 2016



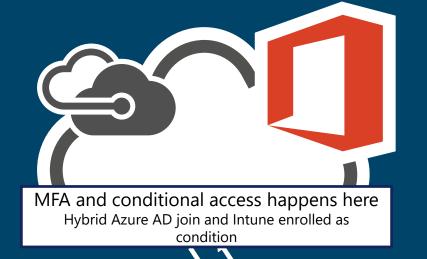
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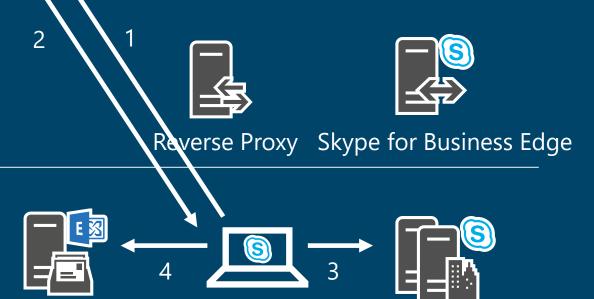


7. Skype for Business hybrid modern authentication

Enables use of Skype for Business Mobile for on-premises users with modern authentication

With EMS license you can implement multifactor authentication With EMS license you can implement conditional access With EMS E5 license you can implement risk based conditional access









Exchange Server 2016

Skype for Business Server 2015



8. What type of licenses to use

Enterprise vs open vs CSP

- In order to enable users for hybrid you need
 - Office 365 tenant
 - Exchange Online for exchange hybrid
 - Skype for Business Online for Skype for Business hybrid
 - Azure AD P1 for conditional access
- Microsoft 365 E3 is recommended
 - Need security add-on for Advanced Threat Protection
- CSP does not give on-premises use rights
 - Is the most flexible for scale and change
 - You do get SCCM license





Why What





Why What How

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Why

How





Functional Groups

Temporary Groups Locations

Cross location groups IT department

HR
Management
Boardmembers
Administration
Accounting

Sales

Consulting
Productgroups

Departments

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FIGURE 1.1.

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Distribution Groups

Shared mailboxes

Projects

√ ve Norway











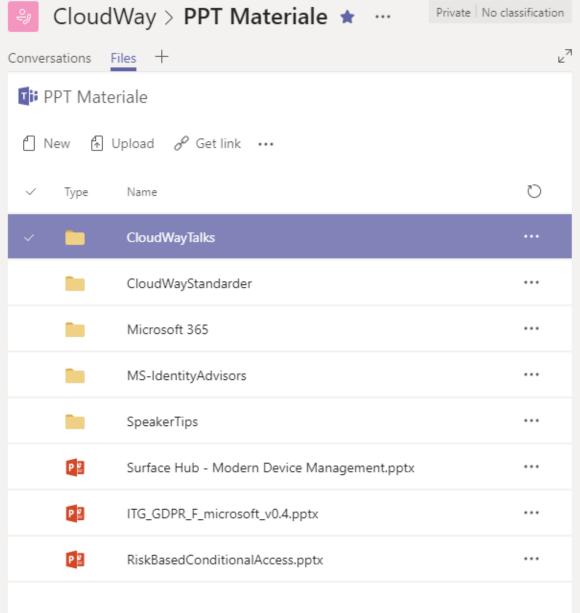














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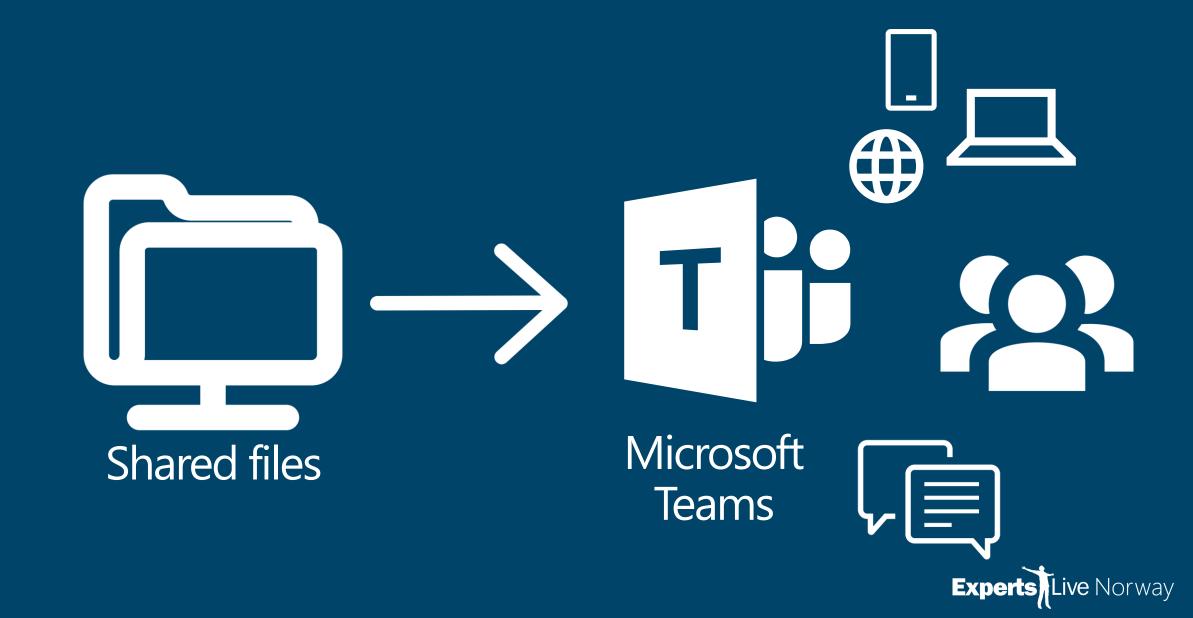


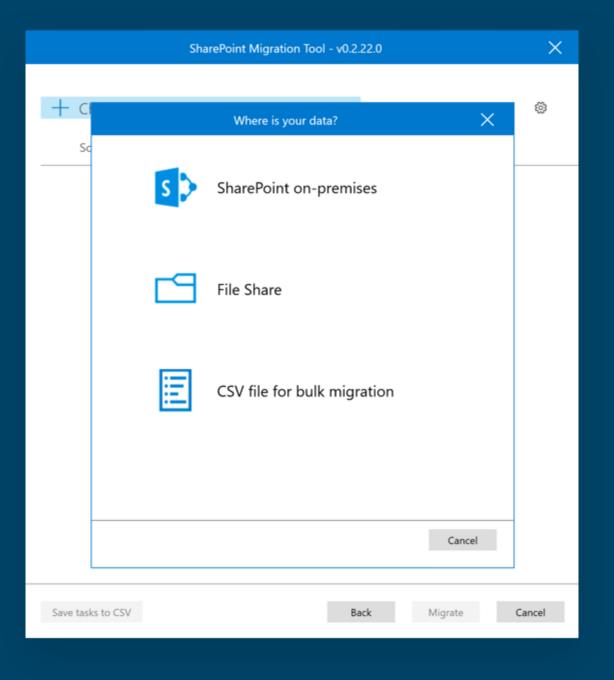


OneDrive for Business

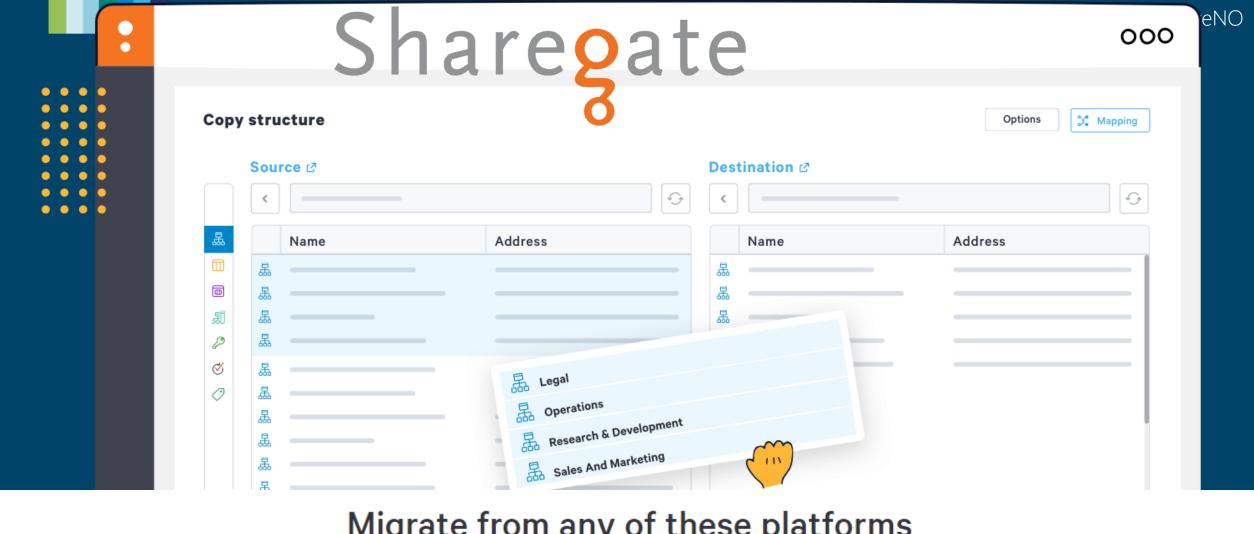












Migrate from any of these platforms



SharePoint 2003



SharePoint 2007



SharePoint 2010



SharePoint 2013



SharePoint 2016



SharePoint 2019



SharePoint Online



Office 365



File shares



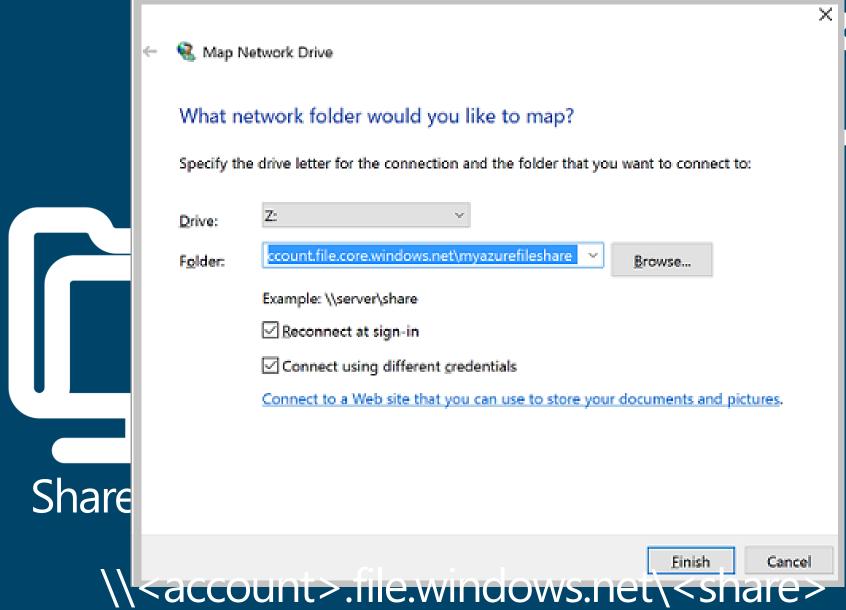
OneDrive for Business



Google Drive



Box

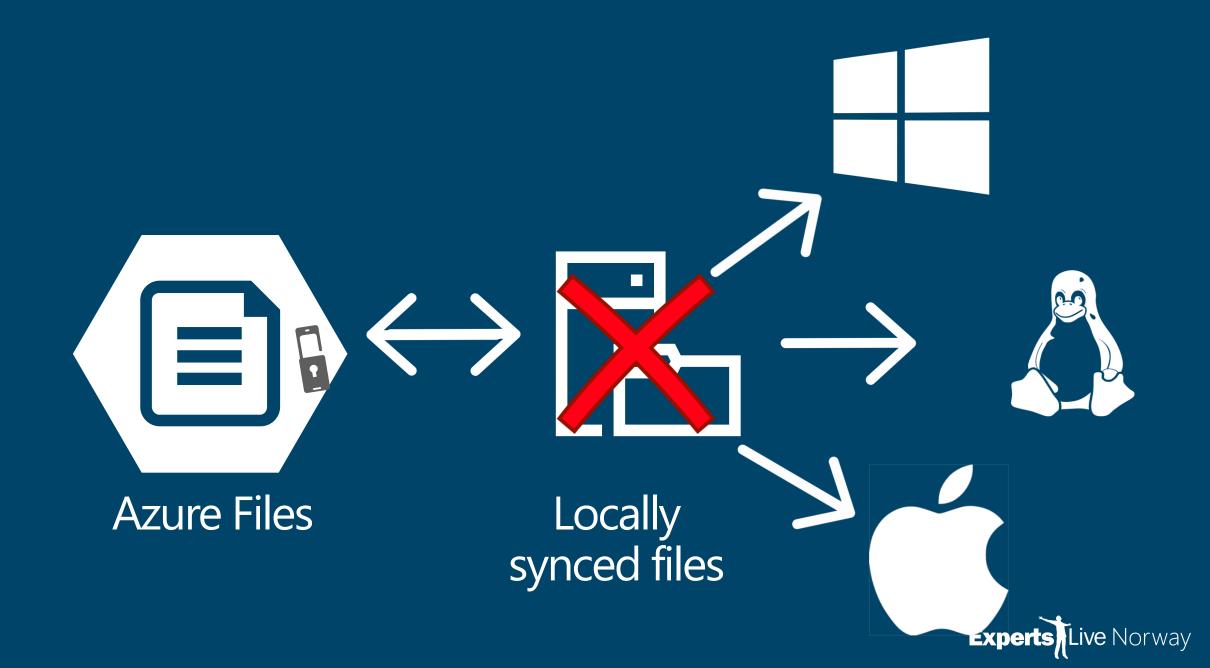


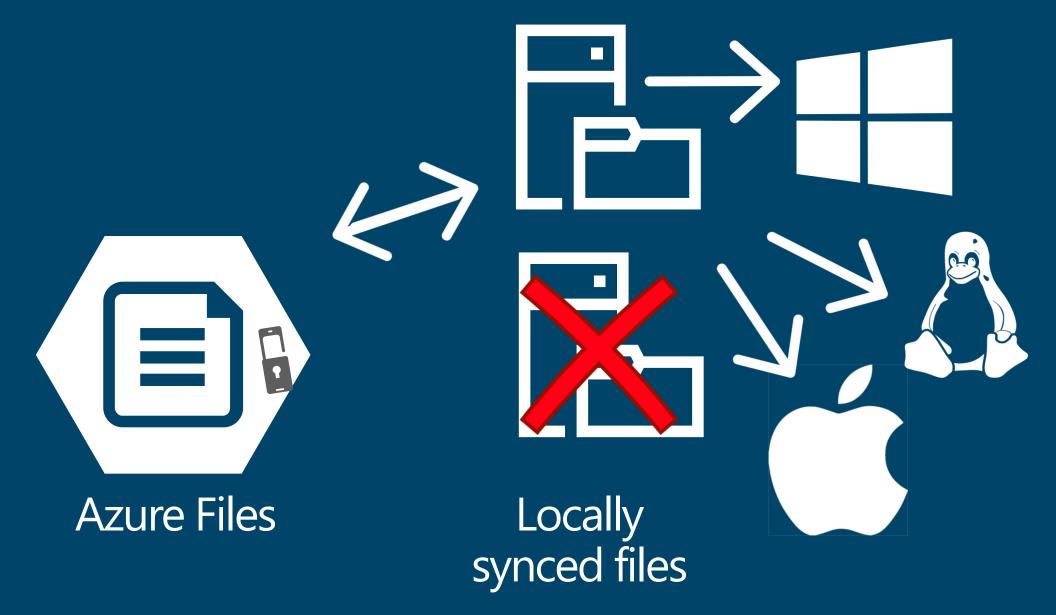




FTP SMB 3.0















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Gold

Caudiocodes

Silver

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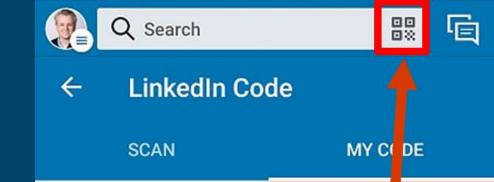


Thankyoul



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