



Exchange 2 Exchange Online Tips 'n' Tricks

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Who am I

- Vladimir Stefanović
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- www.tech-trainer.info
- <https://github.com/Wladioh/Presentations>





Agenda

- Migration types
- Most common issues
- Tips for Exchange to Exchange Online migration
- Demo

What you prefer?

Angry User



Happy User

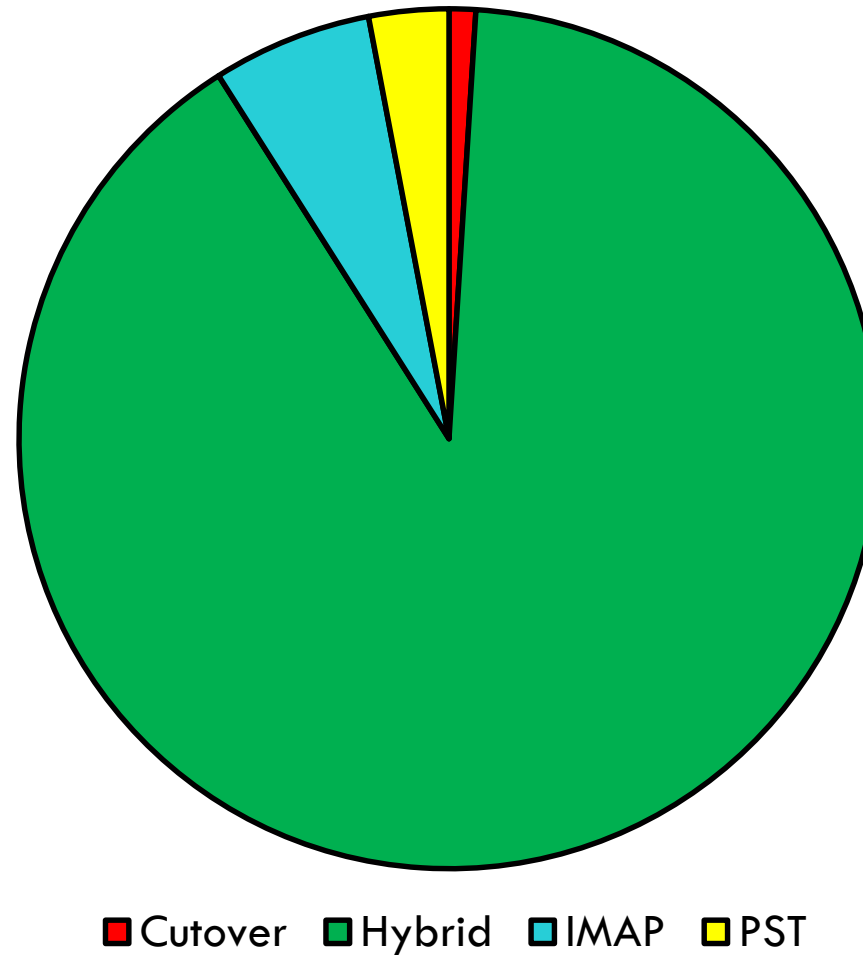




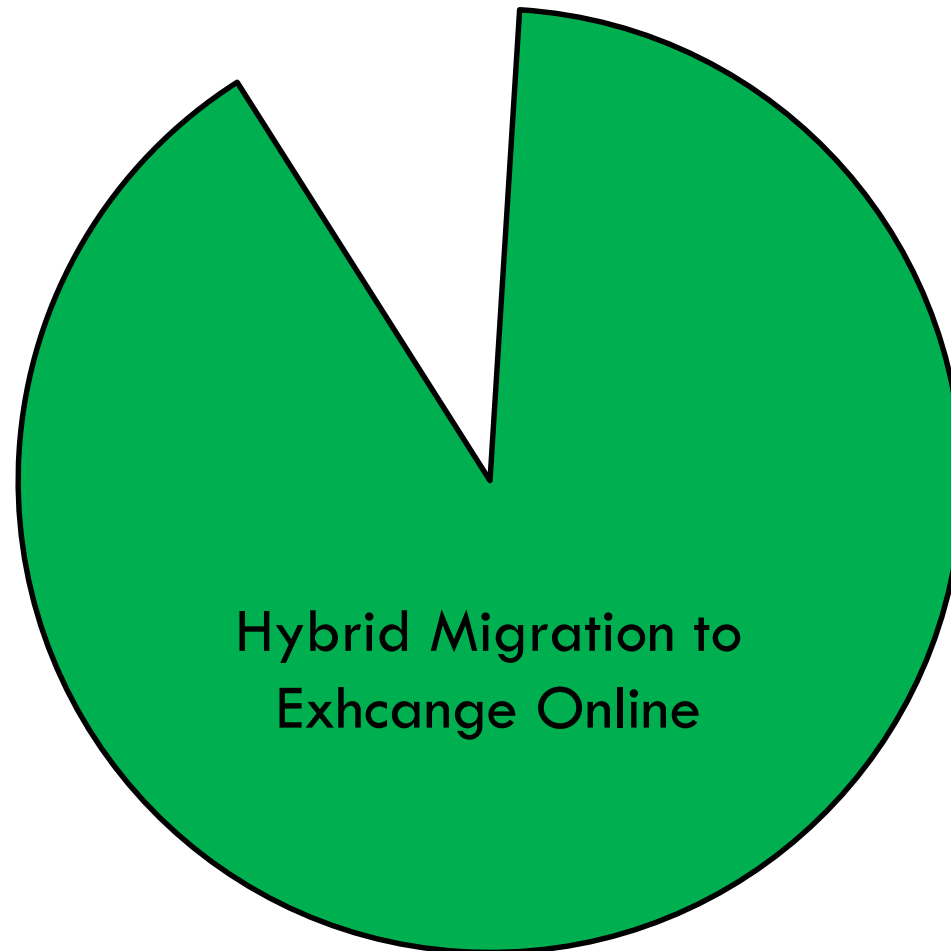
Migration Types

- Staged Migration - „Old“ Exchange Servers (2003, 2007)
- Cutover Migration - All Exchange Servers
- Hybrid Migration - Exchange 2010 and newer
- IMAP Migration - All known IMAP-Enabled mail systems
- PST Migration - Last resort migration

My Experience



My Experience





Cutover Migration

- Move entire email organization to Office 365 in one batch
- Maximum: 2,000 mailboxes, Recommended: 150-200 mailboxes
 - *I have successfully migrated with 300 users and 850 objects*
- The primary on-prem domain name must be accepted as a domain owned in Office 365
- Users must re-configure email clients
- Potential delay in email routing - No email routing between on-prem Exchange and Office 365




IMAP Migration

- Migrate ONLY user inbox or other mail folders. Doesn't migrate contacts, calendar items, or tasks.
- Maximum items: 500,000
- The biggest email you can migrate is 35 MB
- To migrate email, you need access to the user mailboxes in your source email system
- Administrator need to manually map source and destination mailboxes
- Users must re-configure email clients



PST Migration

- The biggest „downtime“ accessing mails
- Most complicated to perform, so many manual steps
- Users must re-configure email clients
- Bottleneck is PST uploading



Hybrid Migration (Minimal Hybrid)

- Exchange 2010, 2013 or 2016 server on-premises
- Move to Exchange Online over a few weeks or less
- Do NOT plan to continue to run directory synchronization to manage your users
- Users DO NOT need to re-configure Outlook
- AD Connect is required
- Hybrid Configuration is required
- No downtime in mail flow after completing migration batches



Hybrid Migration (Minimal Hybrid) - Cons

- Secure cross-premises mail flow not supported by default
- Cross-premises Free/Busy, e-Discover or Archiving not supported between on-prem mailboxes and Office 365 mailboxes
- OWA redirection for migrated users not supported
- Cross-premises GAL is not supported

Configuring Minimal Hybrid

Exchange admin center

- recipients
- permissions
- compliance management
- organization
- protection
- mail flow
- mobile
- public folders
- unified messaging
- servers
- hybrid**

setup

An Exchange hybrid deployment allows you to connect and manage both your on-premises and Exchange Online organizations. [Learn more](#)

[configure](#)

☐ My Office 365 organization is hosted by 21Vianet

Configuring Minimal Hybrid

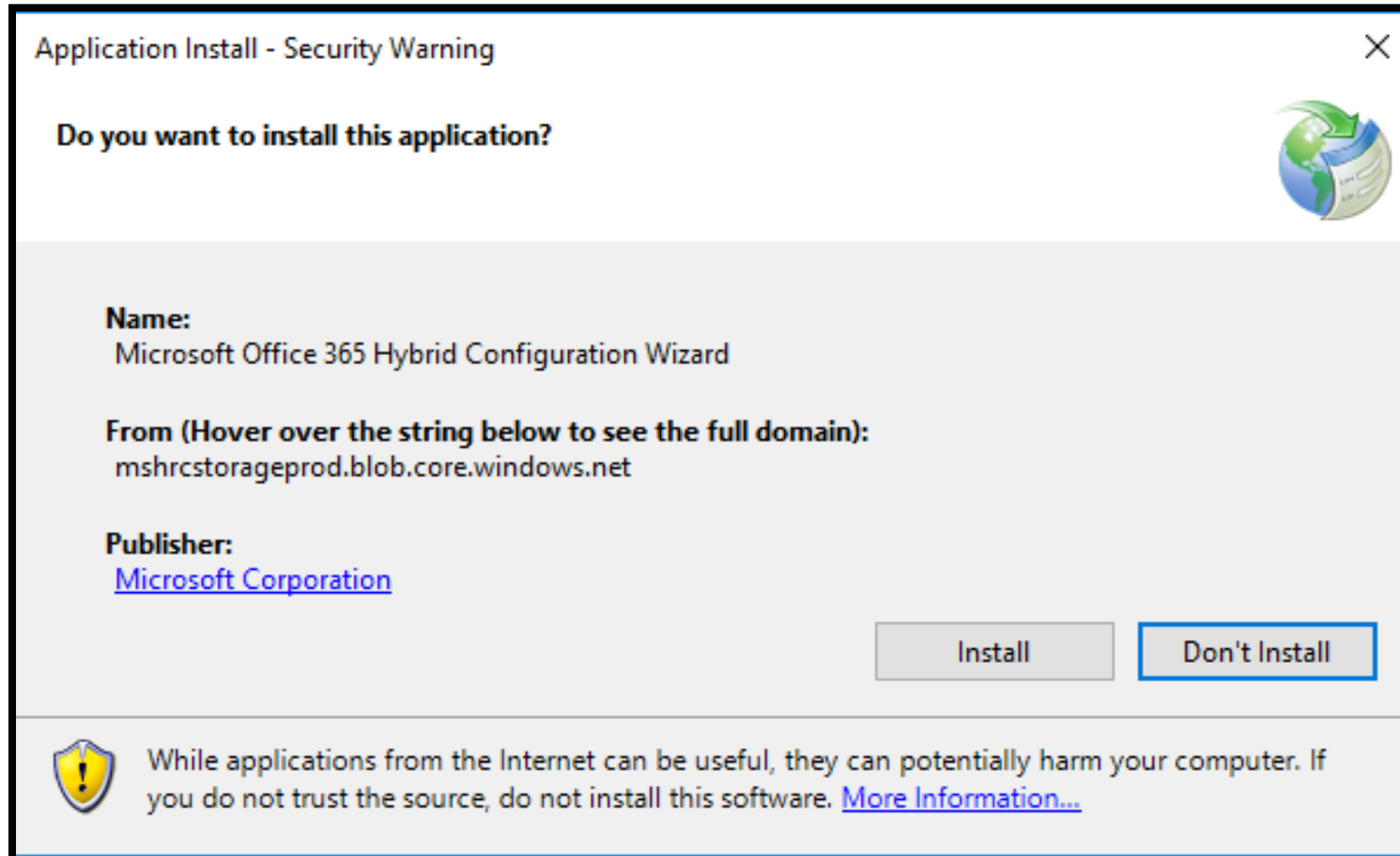
information

You must log in to Office 365 before you can run the Hybrid Configuration wizard. Please try again after you log in to Office 365.

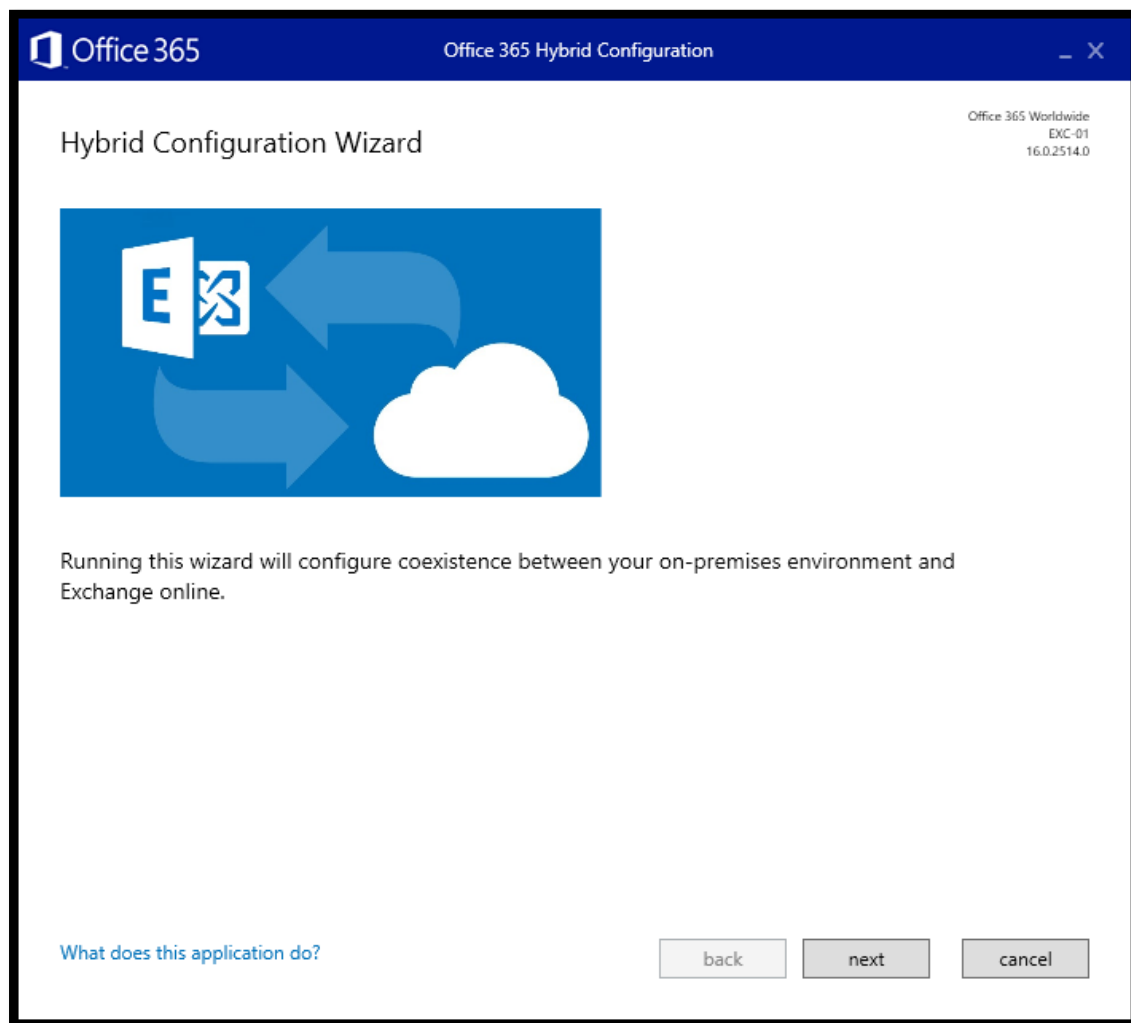
 [sign in to Office 365](#)

Cancel

Configuring Minimal Hybrid



Configuring Minimal Hybrid



Configuring Minimal Hybrid

Office 365

Office 365 Hybrid Configuration

On-premises Exchange Server Organization

Office 365 Worldwide
EXC-01.tech-trainer.info
Exchange Server 2016 15.1.1531.3 CU10
16.0.2514.0

☒ Detect the optimal Exchange server

EXC-01
Domain tech-trainer.info
Version Version 15.1 (Build 1531.3) CU10 Standard Edition
Roles Mailbox
Site tech-trainer.info/Configuration/Sites/Default-First-Site-Name
Product ID 02064-004-0615002-02242

☐ Specify a server running Exchange 2010, 2013 or 2016

Exchange Hybrid setup requires a connection to an Exchange 2010, 2013 or 2016 server in your environment to perform management tasks. On Exchange 2010 or 2013 this must be a server running the Client Access Server role.

Client Access server:

EXC-01.tech-trainer.info

Office 365 Exchange Online

My Office 365 organization is hosted by:

Office 365 Worldwide

back

next

cancel

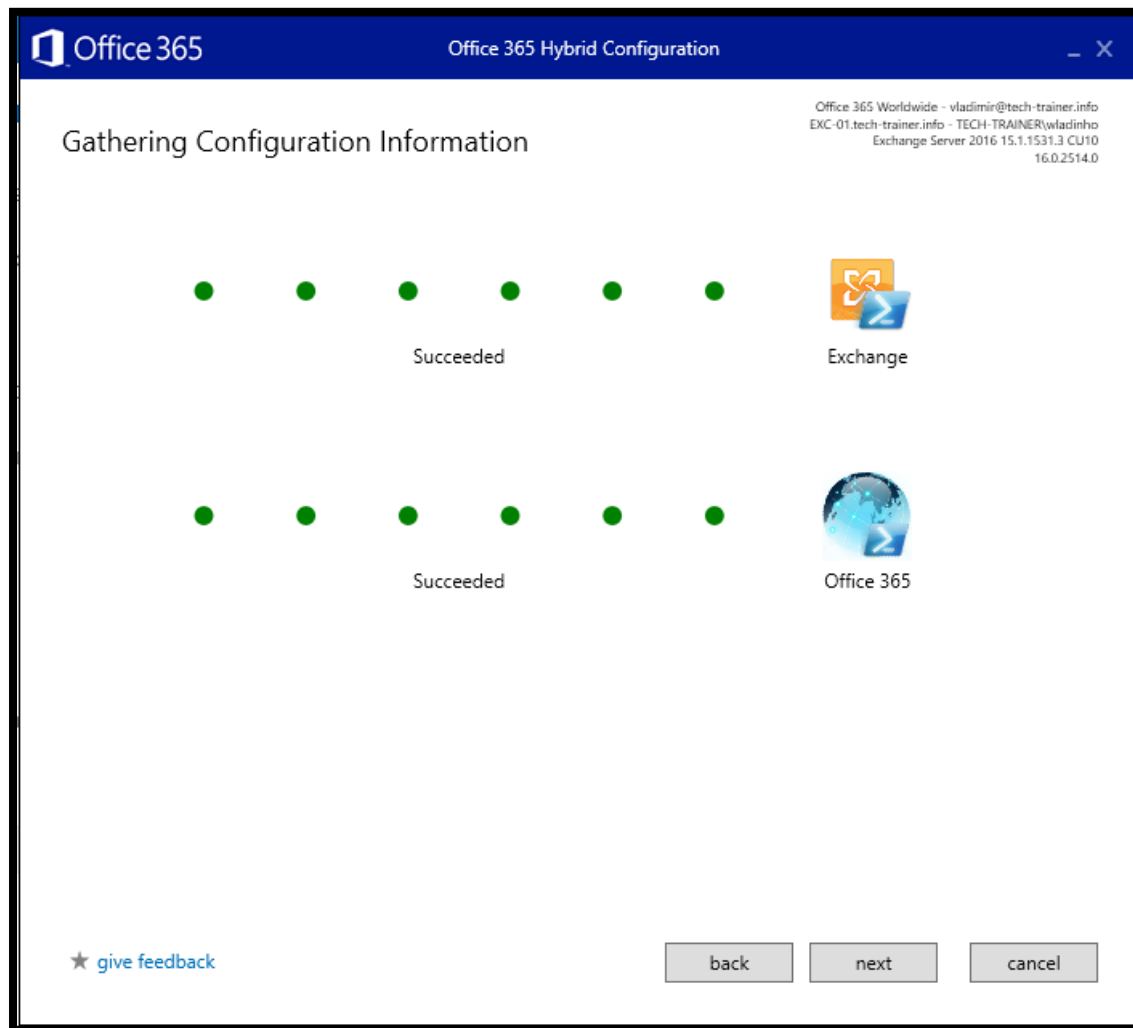
Configuring Minimal Hybrid

EXC-01


| | |
|------------|--|
| Domain | tech-trainer.info |
| Version | Version 15.1 (Build 1531.3) CU10 <i>StandardEvaluation Edition</i> |
| Roles | Mailbox |
| Site | tech-trainer.info/Configuration/Sites/Default-First-Site-Name |
| Product ID | Unlicensed Product |

[license this server now](#)

Configuring Minimal Hybrid



Configuring Minimal Hybrid

 Office 365

Office 365 Hybrid Configuration

Office 365 Worldwide - vladimir@tech-trainer.info
EXC-01.tech-trainer.info - TECH-TRAINER\vladinho
Exchange Server 2016 15.1.1531.3 CU10
tech-trainer.info
Minimal Hybrid 16.0.2514.0

Hybrid Features

Select the Hybrid features you want to be part of your Hybrid Configuration.
[learn more](#)

☒ **Minimal Hybrid Configuration (Recommended)**
Selecting this option will configure Exchange with the minimal settings needed so you can seamlessly move your mailboxes to Exchange Online.

☐ **Full Hybrid Configuration**
Selecting this option will configure Exchange with the full Hybrid feature set. This includes Free/busy sharing, enhanced mail flow, eDiscovery and other advanced features. This is typical for larger scale or long term coexistence scenarios.

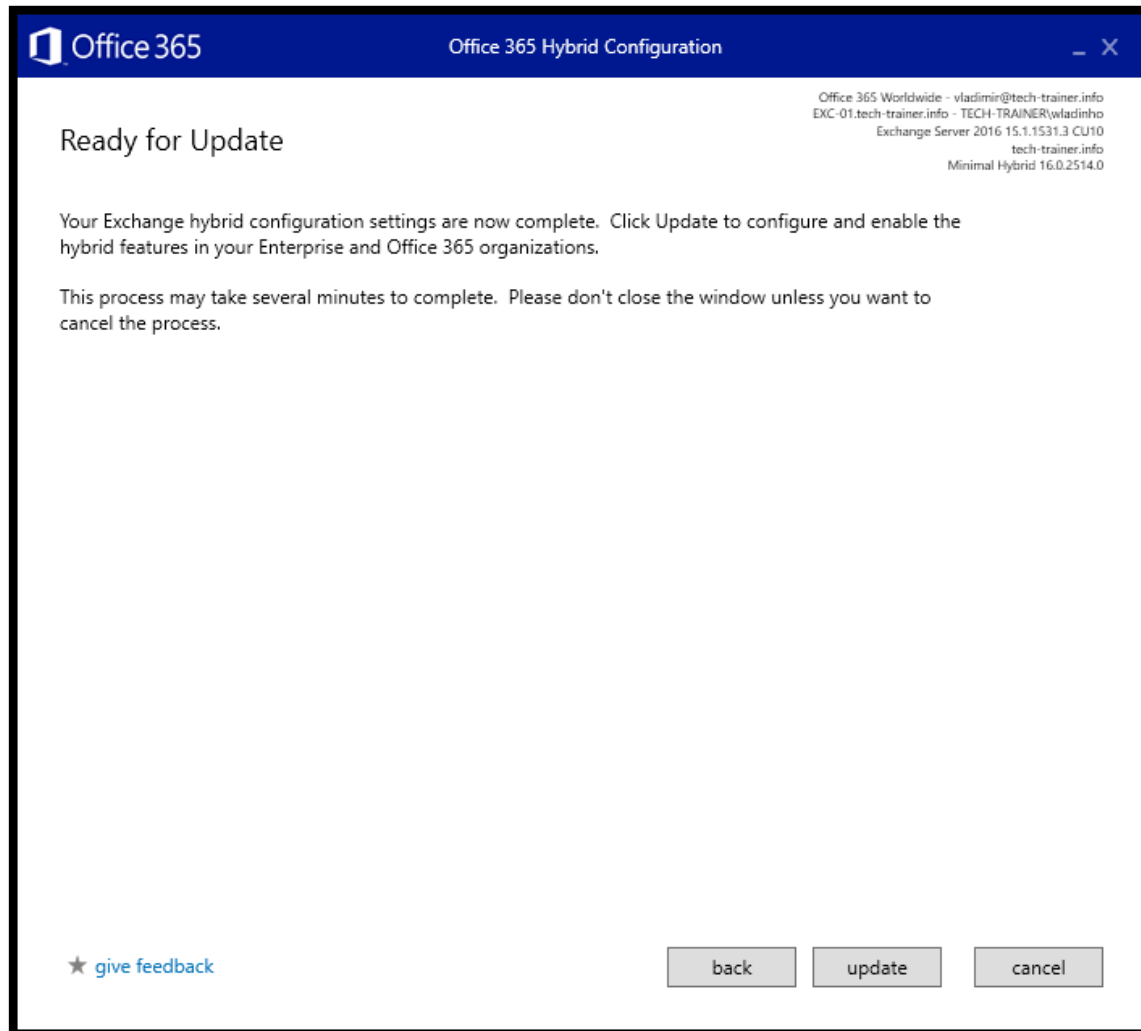
Other Options

☐ **Organization Configuration Transfer**
Selecting this option will perform a one-time transfer of organization objects from your on-premises environment to Exchange online. After the transfer, you will need to make changes in both locations to keep the objects in sync.
[learn more](#)

[★ give feedback](#)

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Configuring Minimal Hybrid




Configuring Minimal Hybrid

Office 365

Office 365 Hybrid Configuration

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EXC-01.tech-trainer.info - TECH-TRAINER\vladinho
Exchange Server 2016 15.1.1531.3 CU10
tech-trainer.info
Minimal Hybrid 16.0.2514.0

Congratulations!

 Hybrid services are now configured between Exchange Online in your Office 365 tenant and your on-premises Exchange environment.

How would you rate your experience?

☆☆☆☆☆

Let us know what you liked or what we can do better.

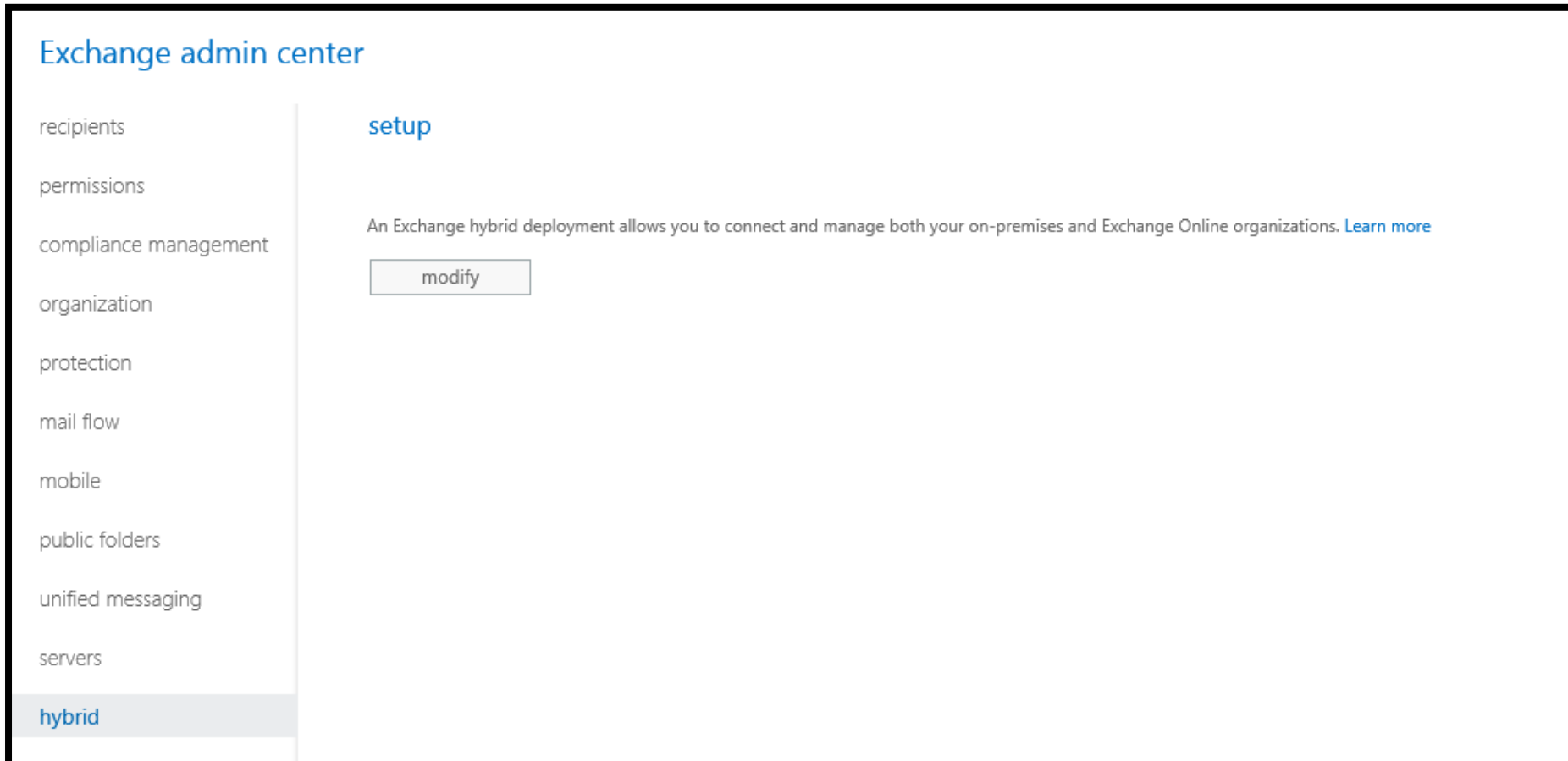
☐ Include email: vladimir@tech-trainer.info

Thank you for taking the time to send us feedback! We may not respond to each piece of feedback, but we will work hard to make sure it is reviewed.

[Privacy policy](#)

close

Configuring Minimal Hybrid



The screenshot shows the Exchange Admin Center (EAC) interface. On the left is a navigation pane with the following items: recipients, permissions, compliance management, organization, protection, mail flow, mobile, public folders, unified messaging, servers, and hybrid. The 'hybrid' item is selected and highlighted. The main content area is titled 'Exchange admin center' and 'setup'. It contains a description: 'An Exchange hybrid deployment allows you to connect and manage both your on-premises and Exchange Online organizations.' followed by a blue link 'Learn more'. Below the text is a 'modify' button.

Exchange admin center

recipients

permissions

compliance management

organization

protection

mail flow

mobile

public folders

unified messaging

servers

hybrid

setup

An Exchange hybrid deployment allows you to connect and manage both your on-premises and Exchange Online organizations. [Learn more](#)

modify



Minimal Hybrid - Most Common Issues

- Office 365 default domain name and on-prem UPN are not same
- Missing proxy attribute **@tenantname.mail.onmicrosoft.com**
- Email address with domain name which do not exist in Office 365
- GUID > ImmutableID relationship



Summary

- Migration types
 - *Staged Migration*
 - *Cutover Migration*
 - *Hybrid Migration*
 - *IMAP Migration*
 - *PST Migration*
- Most common issues
- Tips for Exchange to Exchange Online migration
- Demo

ANY
QUESTIONS?



Q & A

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