



Advanced Technology Days

December 6th, 2018

Plaza Event Centar, Zagreb, Croatia

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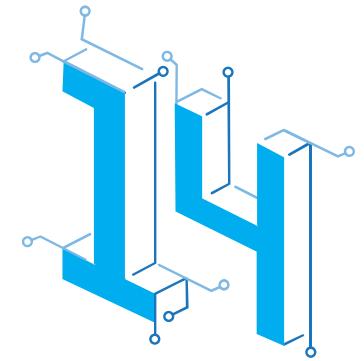
Migrate to Exchange Online

Tips 'n' Tricks

Vladimir Stefanović, Superadmins

Who am I

- Vladimir Stefanović
- System Engineer @SuperAdmins
- Technical Trainer @ATC
- MCSA, MCSE, MCT, IAMCT Regional Lead, Speaker
- SysAdmin UG and Azure UG Serbia leader
- stefanovic.vladimir@hotmail.com
- www.tech-trainer.info
- <https://github.com/Wladinho/Presentations>

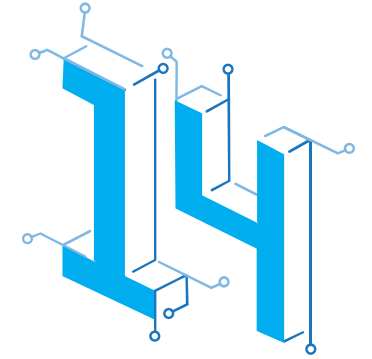


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Agenda

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



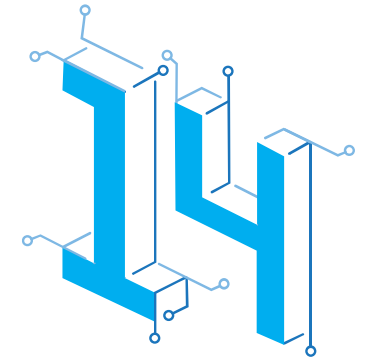
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Business Critical services migration

Angry User



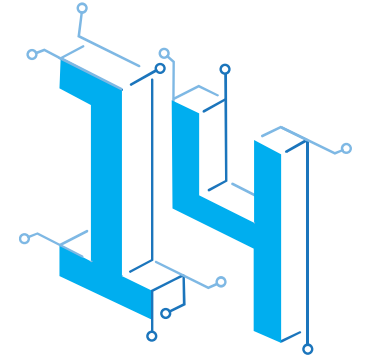
Happy User



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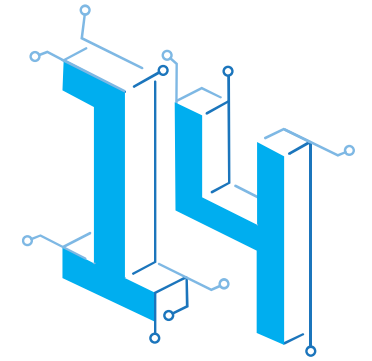
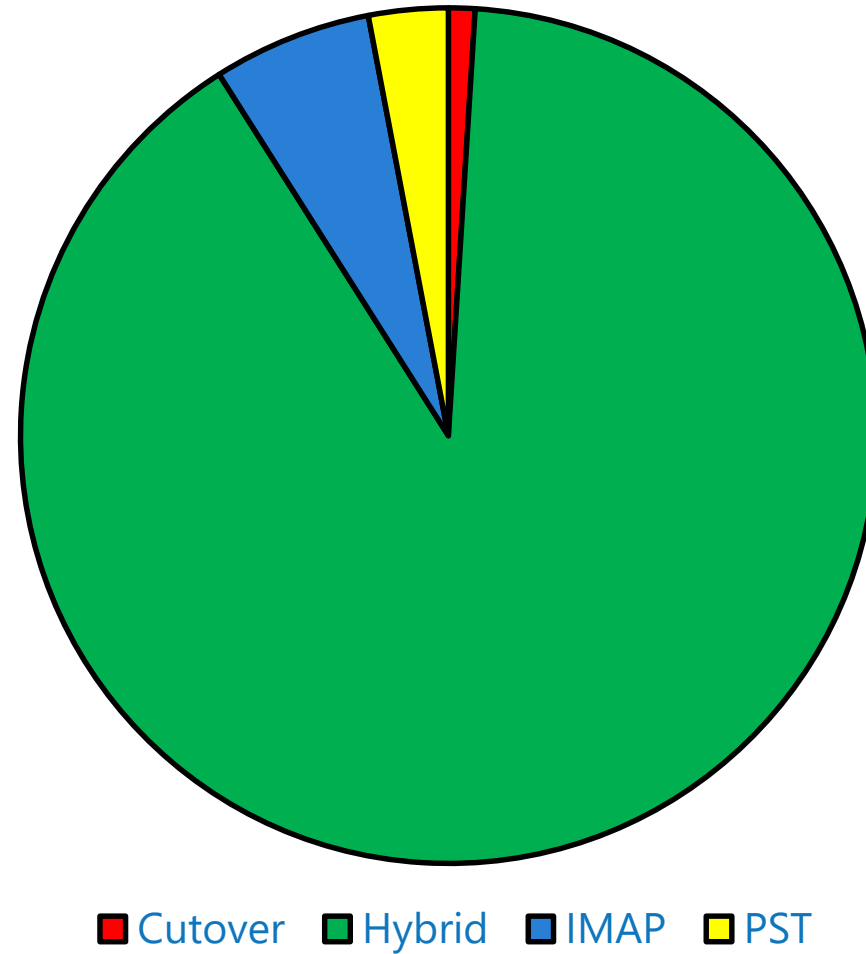
Migration Types

- 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



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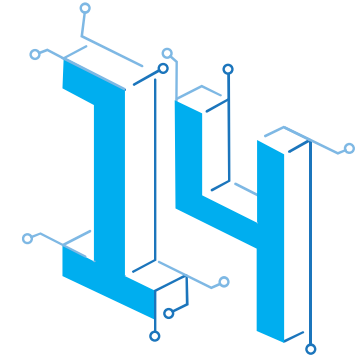
My Experience



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Cutover Migration

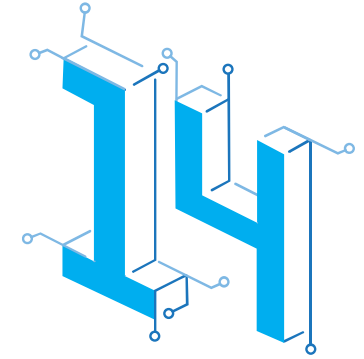
- Move entire email organization to Office 365 in one batch
- Maximum: 2,000 mailboxes, Recommended: 150-200 mailboxes
- The primary on-prem domain name must be an accepted as a domain owned in Office 365
- Users must re-configure email clients
- Potential delay in email routing - No email routing between on-prem Exchange and Office 365



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IMAP Migration

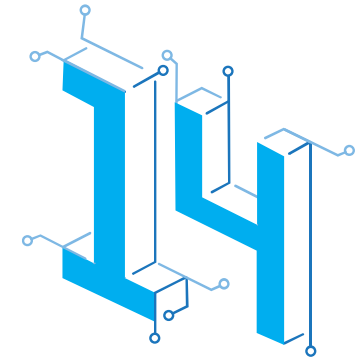
- Migrate ONLY user inbox or other mail folders.
- Doesn't migrate contacts, calendar items, or tasks.
- Maximum items: 500,000, biggest email: 35 MB
- To migrate email, you need access to the user mailboxes in your source email system
- Administrator need to manually map source and destination mailboxes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



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PST Migration

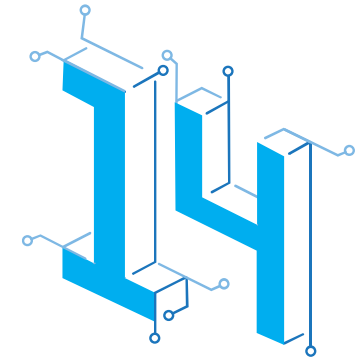
- The biggest „downtime“ accessing mails
- Most complicated to perform, so many manual steps
- Users must re-configure email clients
- Bottleneck is PST uploading



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Hybrid Migration (Minimal Hybrid)

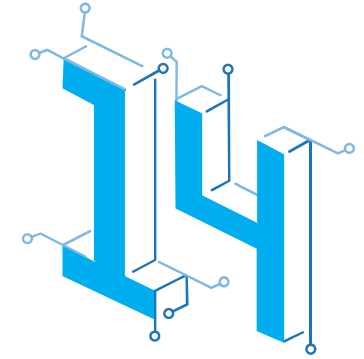
- Exchange 2010, 2013 or 2016 server on-premises
- Move to Exchange Online over a few weeks or less
- Do NOT plan to continue to run directory synchronization to manage your users
- Users DO NOT need to re-configure Outlook
- AD Connect is required
- Hybrid Configuration is required
- No downtime in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



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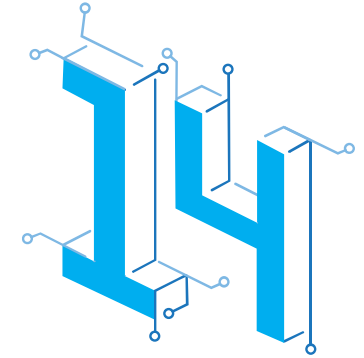
Hybrid Migration (Minimal Hybrid)

- 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



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Configuring Minimal Hybrid



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Exchange admin center

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

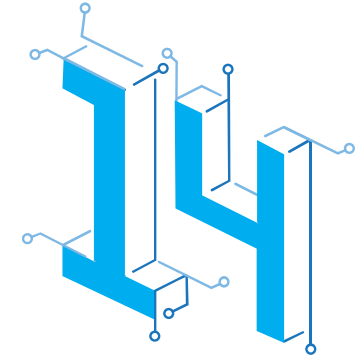
setup

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



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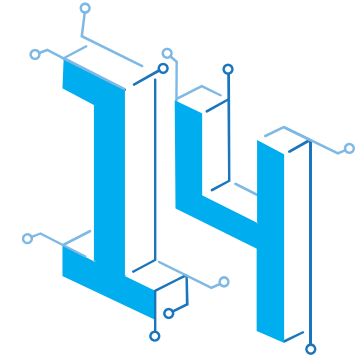
information

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.

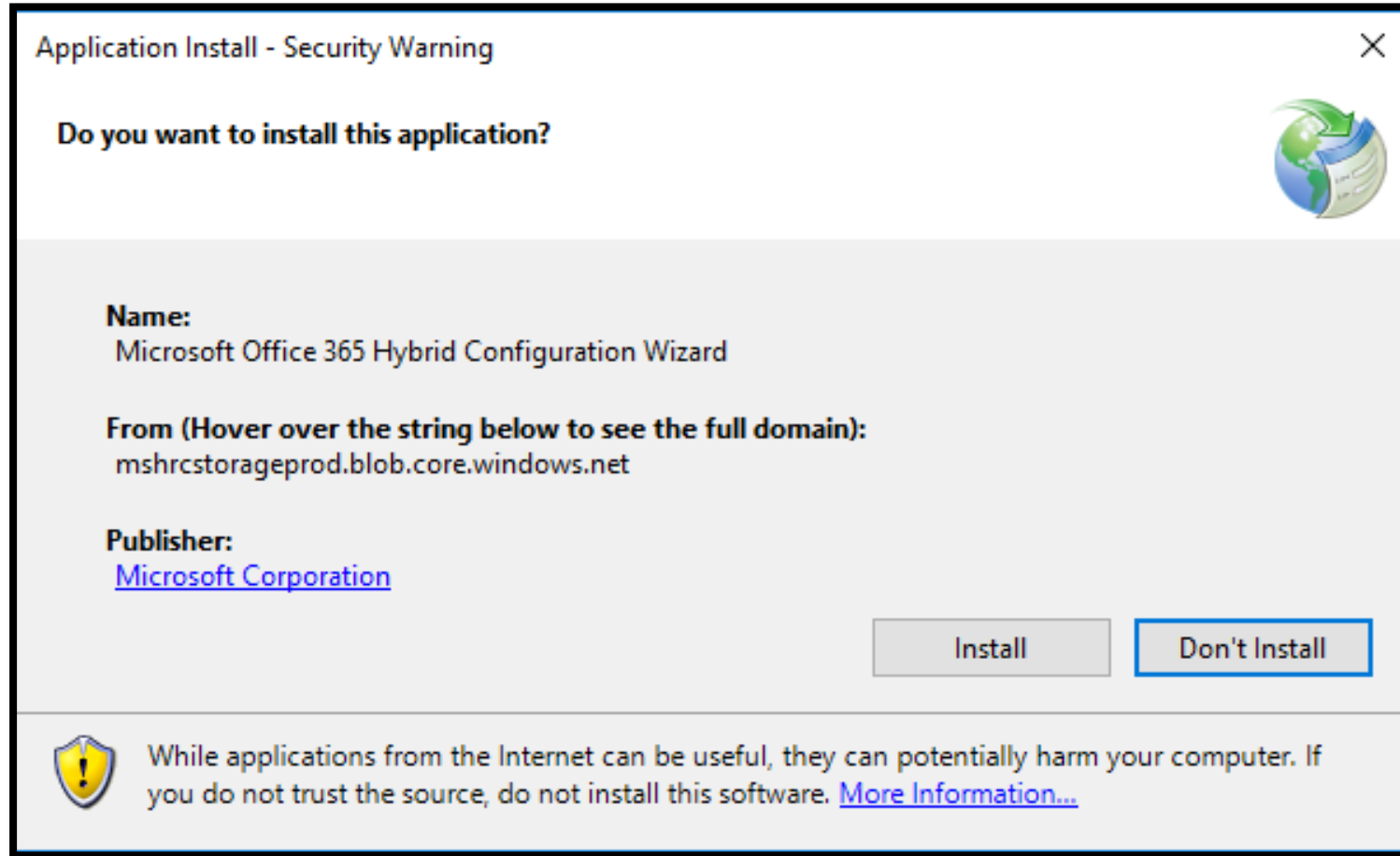
 [sign in to Office 365](#)

Cancel

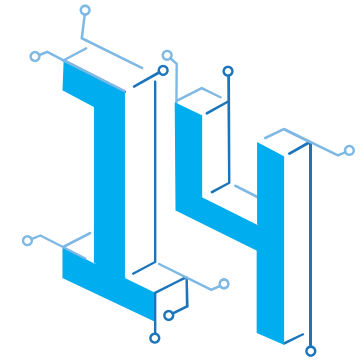
Configuring Minimal Hybrid



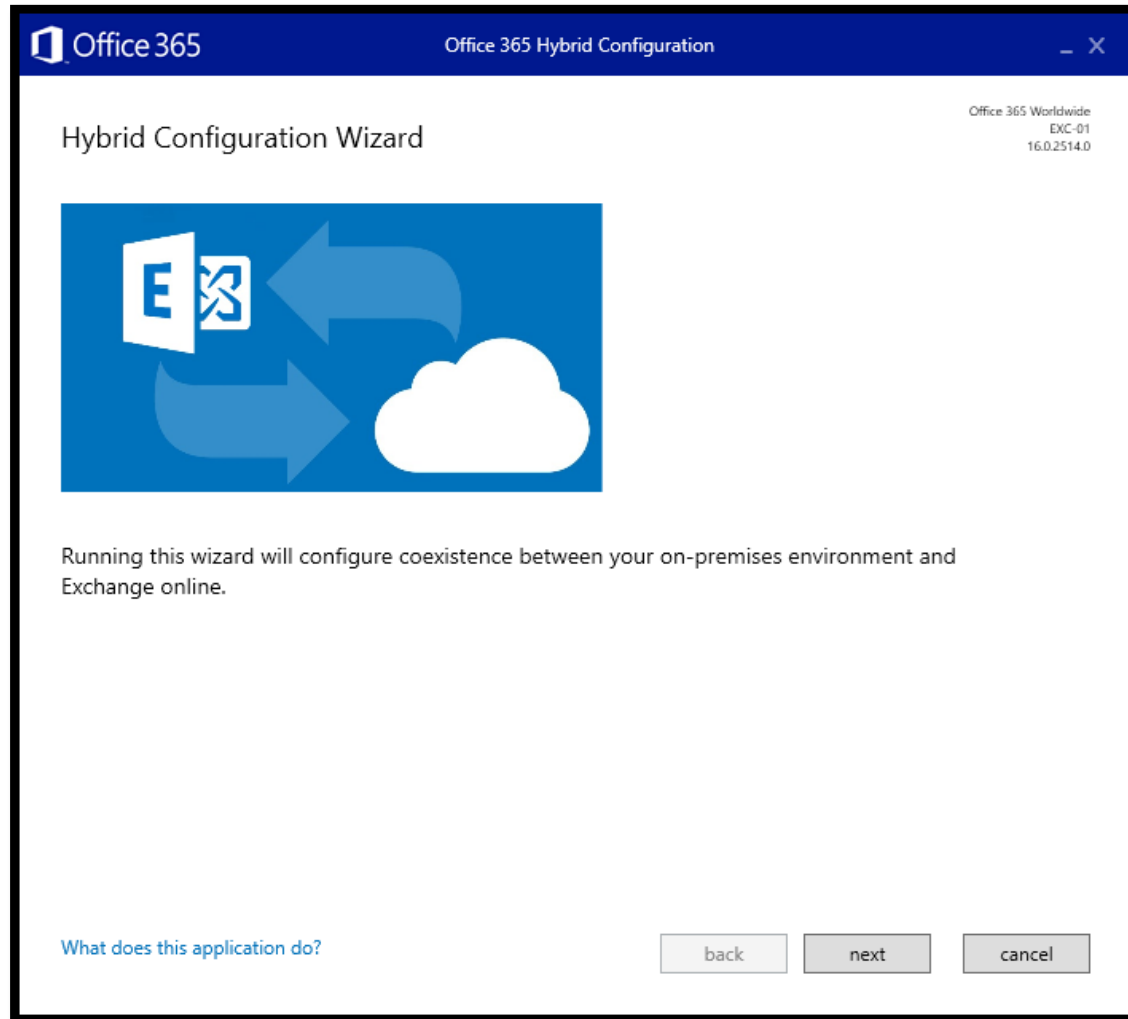
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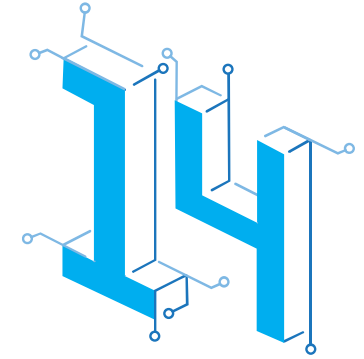
Configuring Minimal Hybrid



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Configuring Minimal Hybrid



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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:

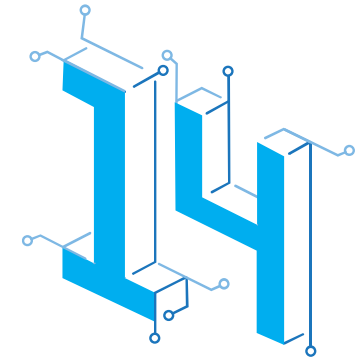
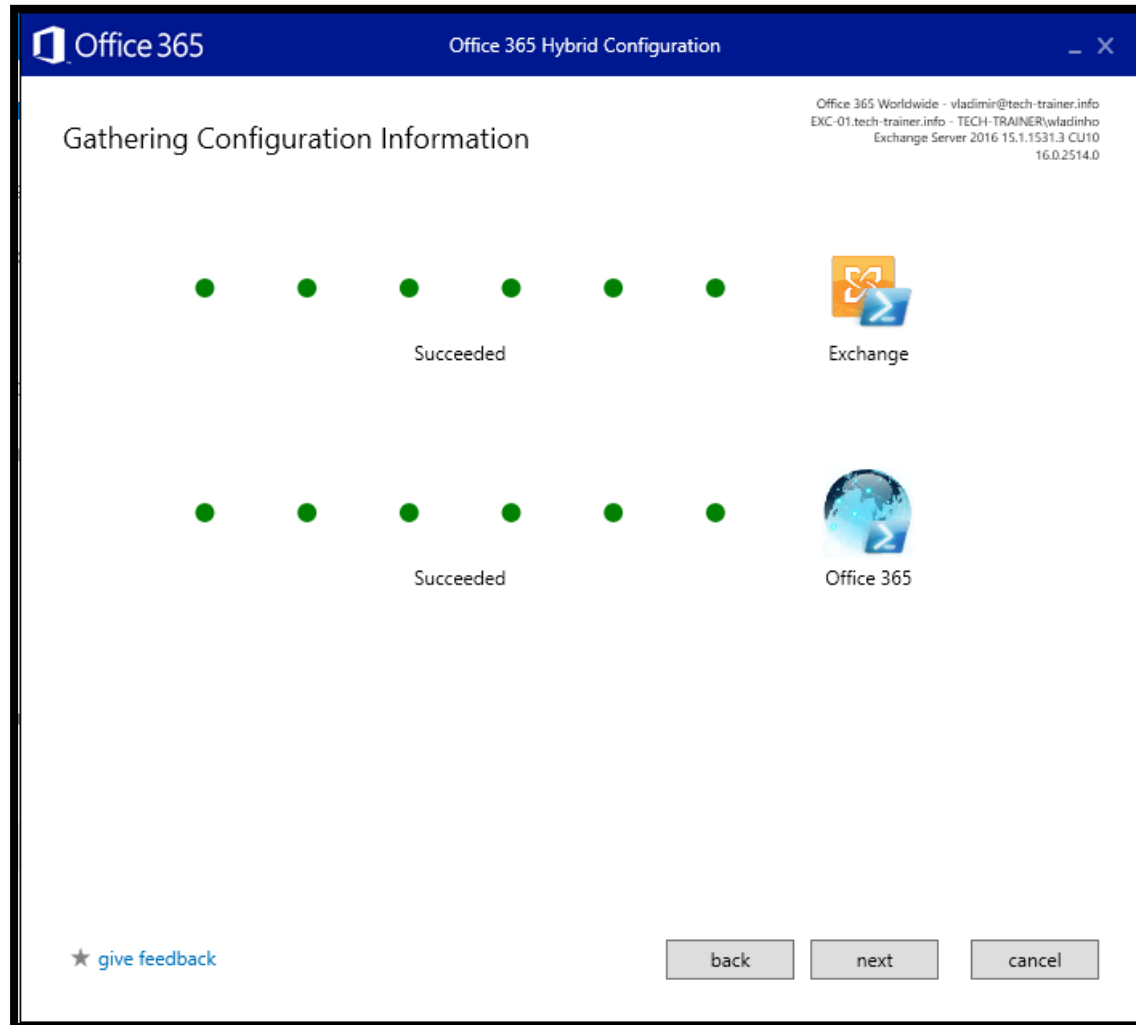
Office 365 Worldwide

back

next

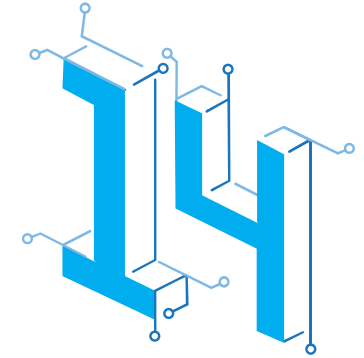
cancel

Configuring Minimal Hybrid



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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.

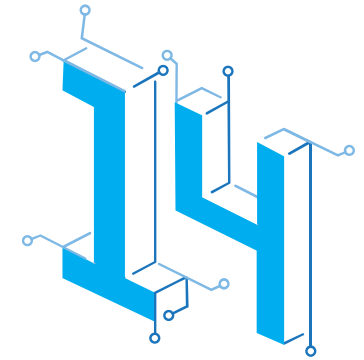
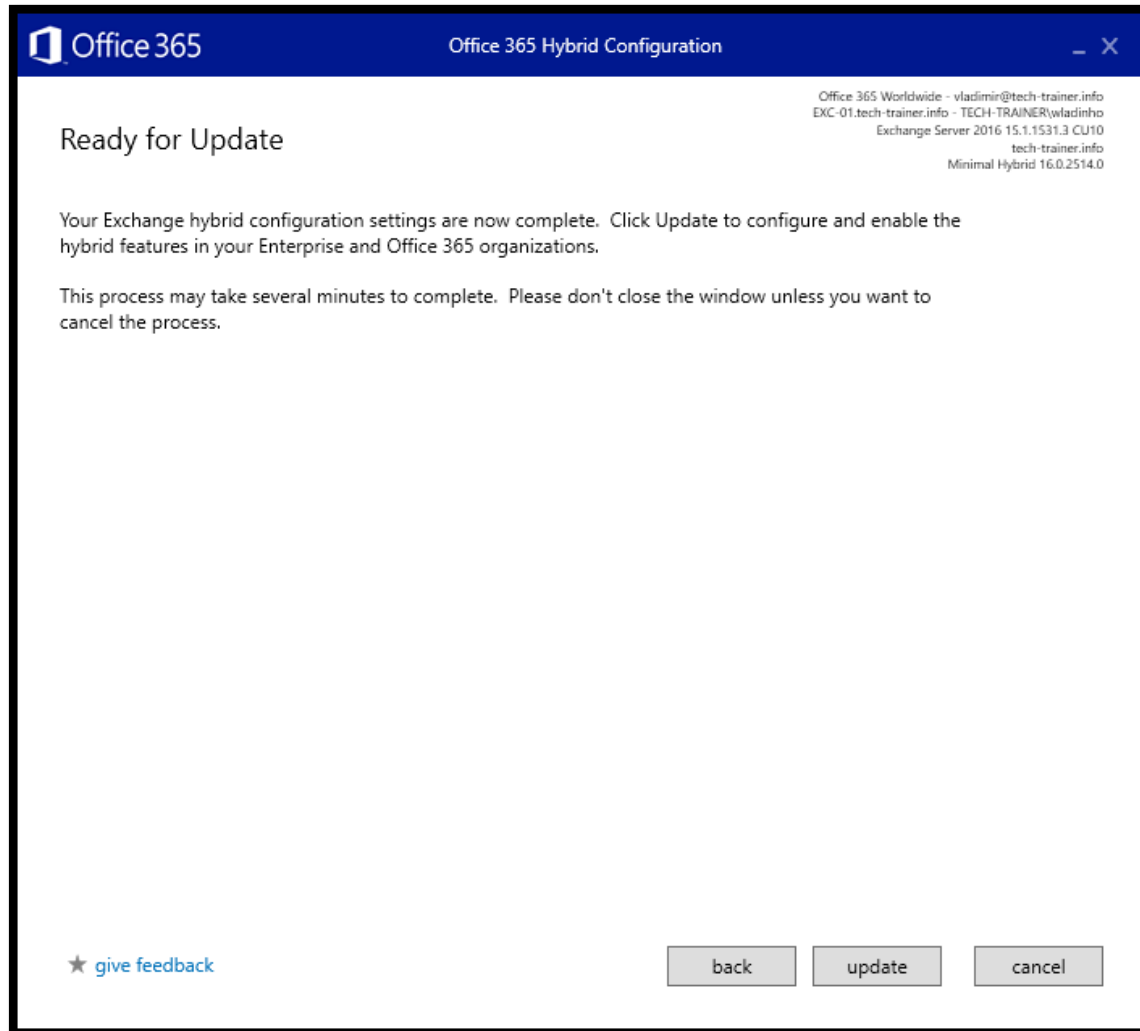
Other Options

☐ **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](#)

backnextcancel

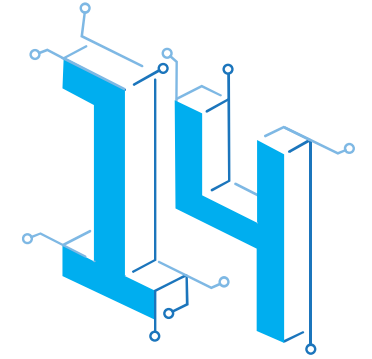
Configuring Minimal Hybrid



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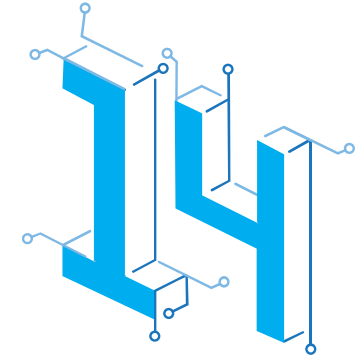
Minimal Hybrid - Most Common Issues

- 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



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Minimal Hybrid - Most Common Issues



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EXC-01

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

[license this server now](#)

Status: Failed

[Skipped item details](#)

Data migrated:

Migration rate:

Error: MigrationPermanentException: You can't use the domain because it's not an accepted domain for your organization. --> You can't use the domain because it's not an accepted domain for your organization.

Report: [Download the report for this user](#)

Status: Failed

[Skipped item details](#)

Data migrated:

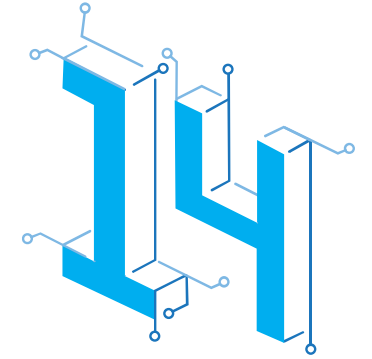
Migration rate:

Error: MigrationPermanentException: The target mailbox doesn't have an SMTP proxy matching 'wladinho.mail.onmicrosoft.com'. --> The target mailbox doesn't have an SMTP proxy matching 'wladinho.mail.onmicrosoft.com'.

Report: [Download the report for this user](#)

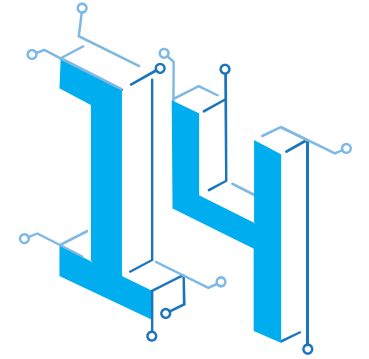
Summary

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



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Q & A



ANY
QUESTIONS?

