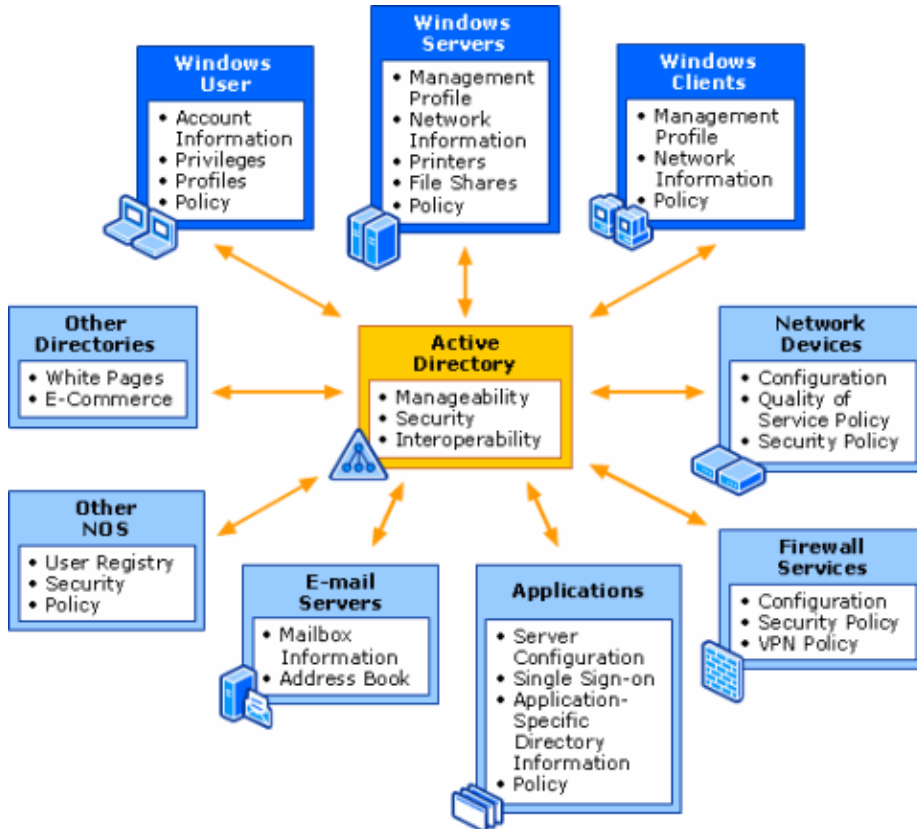# What is DirSync?

skykick

What is Active Directory?

Before we talk about DirSync we should understand what Active Directory is.

Active Directory (AD) is a Microsoft technology used to manage users on a network including exchange addresses and passwords. It is a primary feature of Windows Server. Active Directory is a local management system. This is where DirSync comes in, to get Active Directory to the cloud.

⌄ Click here to expand...

What is DirSync?

DirSync/AD Connect is an application that allows you to control the Active Directory and push those users and their information to another environment it is connected with. This means we can take a local systems configuration and push it to Office 365.

This will commonly be used with larger Exchange environments to sync to a new O365 server rather than trying to rebuild with the O365 interface.

FAQ Section

What does DirSync/AD Connect mean for SkyKick?

⌄ Expand for the answer...

The SkyKick Partner has more responsibility than a standard migration without DirSync/AD Connect:

Search

DirSync/AD Connect limits the amount of control SkyKick has to create <u>or</u> modify user objects within the destination tenant

This requires the SKP to be responsible for

- All User Object Creation
- All Shared Mailbox Creation
- All Password Management via PW Sync
- All Alias Creation
- All DG Creation

> ### 🛈 ADDITIONAL INFO!
>
> **The Domain is generally verified and configured before the order is even placed**

Destination Mailboxes are generally created before the migration is placed

- We can create mailboxes if the correlating User Object has been pushed and a license is available
- Vanity Domain is verified
- Create Mailboxes functionality is dependent on SKP accuracy

Destination Mailbox access

- SKP's responsibility
- Must match destination passwords to CRM/Migration planner that are pushed up via PW Sync

SKOA

- SKP is responsible for ensuring we have access to the correct PW in CRM
- Also allows for more automated SKOA deployments
- Silent Installs

What can SkyKick do when DirSync/AD Connect is On?

⌄ Expand for the answer...

Not Much:

- We can license any user object to create an Individual Mailbox if there is an available license to assign
- We can sync data to any mailbox once created

An Easier Way to Think About It:

Essentially, the SKP is making the migration plan _before_ they place the order within the SkyKick Partner Portal

When they place the order with SkyKick, they're matching the SK Migration Plan to what they've previously pushed up to the destination tenant via DirSync/AD Connect

The above means they must have DirSync/AD Connect configured and in place _before_ they begin the order placement process!!

⌄ Expand for the answer...

ℹ **For more information on removing the msExchMailboxGuid check the article: Configuring Directory Synchronization for an Office 365 Migration. We do not walk them through this process!**

The MS Exchange GUID

- When DirSync is initially installed, there is an option to enable a **Hybrid Deployment**
- This option creates an attribute which is automatically synced to all users in Office 365.
- The problem is that, although the USERS exist in Office 365, this attribute prevents the creation of their **Individual Mailboxes** in Office 365. (This is enabled to allow O365 to detect that the end-user has an on-premises mailbox available for use in a hybrid deployment. Therefore since Office 365 thinks that mailbox already exists in the 'Local + Cloud environment', a duplicate Office 365 mailbox cannot be created by SkyKick)

Solution

- Remove the **msExchMailboxGuid** attribute from DirSync. This will ensure that attribute is not synced with Office 365 and we can successfully create a mailbox

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How Can We Tell if the msExchMailboxGuid is Pushed to O365?

⌄ Expand for the answer...

We have Two Options to check:

1. **Within the Office 365 Admin Center**
   a. Open any <u>LICENSED</u> migrating contact
   b. Open the Mail Settings Tab
   c. Confirm if they do or do not have a mailbox. If they have a license with Exchange functionality then they should have a mailbox in Exchange if the Guid has been removed successfully

1. **Within the Exchange Admin Center**
   a. Open the Mailboxes section
      i. If the user object is licensed, then they should have a mailbox if the Guid was removed
      ii. If the mailbox is not there, open the Contacts section
      iii. If the user was pushed up with the Guid intact, then the user will be listed as a contact

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What Happens if the msExchMailboxGuid is Pushed to O365?

⌄ Expand for the answer...

Mailbox Creation Errors

- We won't be able to create mailboxes as O365 will detect a conflict

Sync Errors

- If the msExchMailboxGuid was synced, this prevents mailbox creation. Without a mailbox, we are unable to sync the user

How does the partner correct it?

Before we can proceed with the migration they must:

1. Wipe the current user objects
2. Strip out the msExchMailboxGuid
3. Re-push the user objects back to O365 with the attribute removed