

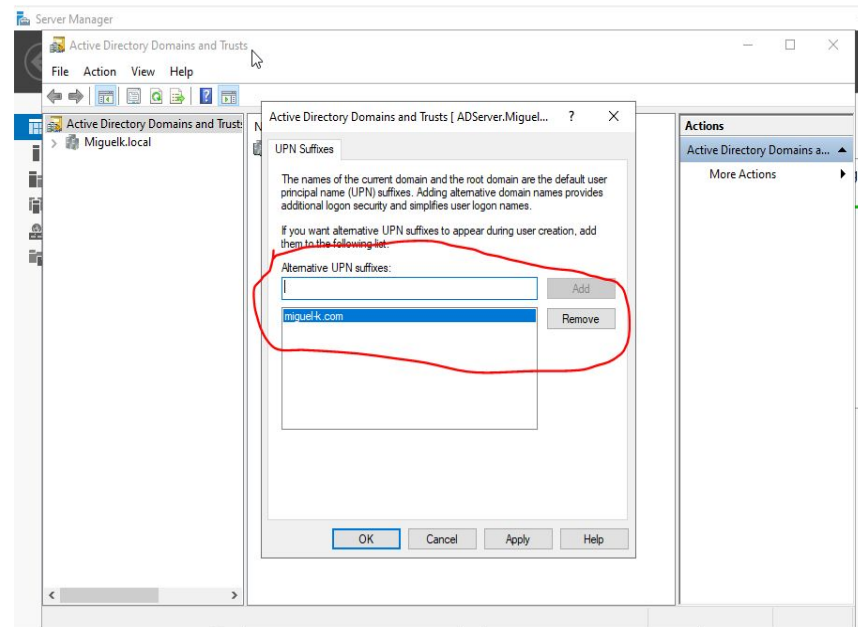
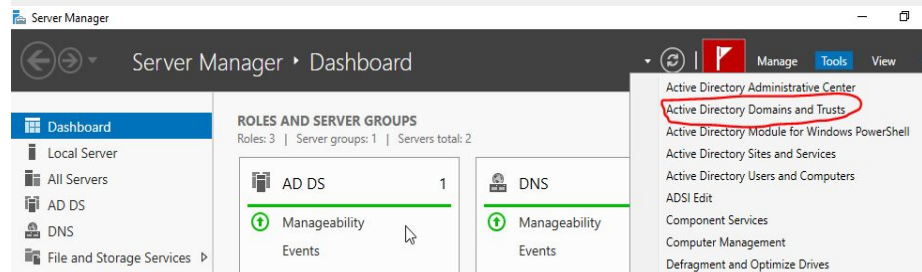
Integrating On-Premises Active Directory with Entra ID

Seamless Synchronization with **Azure** Using **Entra Connect**

By Miguel K.

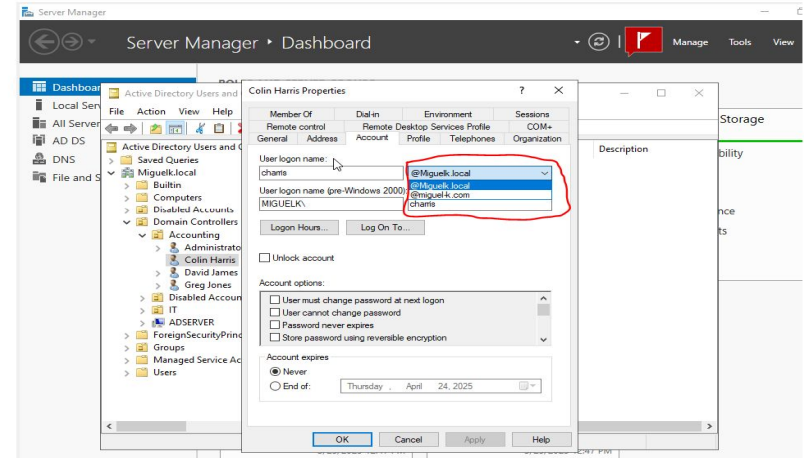
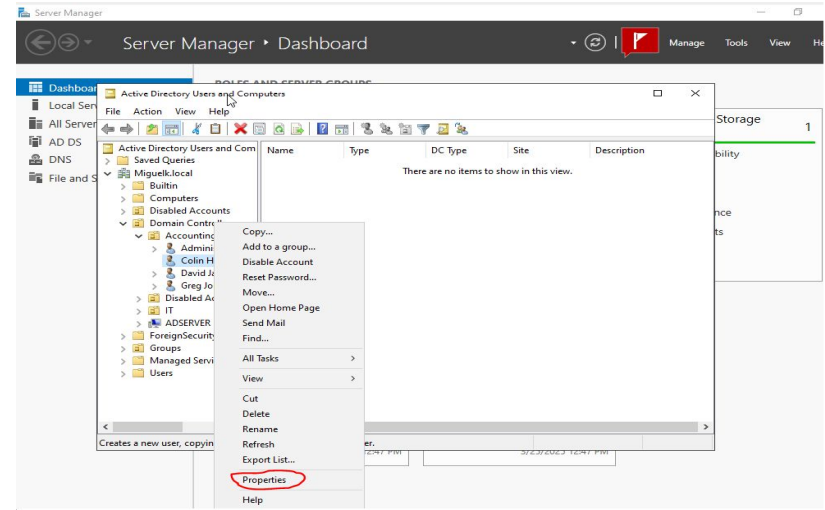
Configuring UPN Suffix for Entra Connect

- **Accessing Active Directory Domains and Trusts** – I navigated to the Active Directory Domains and Trusts console to modify domain settings.
- **Creating a UPN Suffix** – I added a new User Principal Name (UPN) suffix matching the purchased domain, *miguel-k.com*, to align with cloud authentication.
- **Preparing Entra Integration** – I ensured the domain suffix is available for users before synchronizing identities with Microsoft Entra.



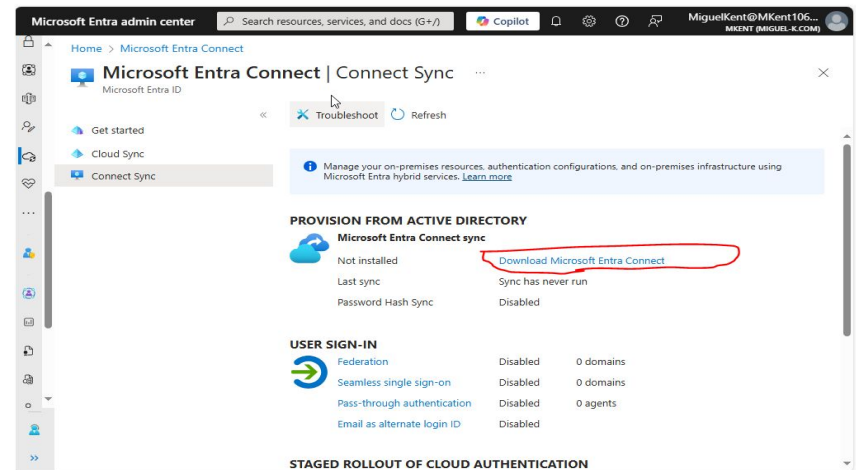
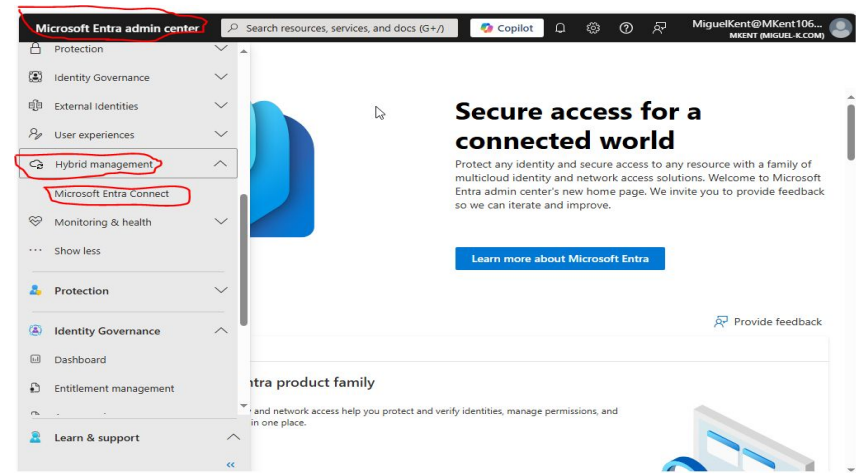
Updating User Logon Name for Entra Connect

- **Selecting a User Account** – Opened Active Directory Users and Computers (ADUC) and navigated to the target user's properties.
- **Modifying the User Logon Name** – Changed the UPN suffix from the local Active Directory domain to *miguel-k.com* for cloud authentication compatibility.
- **Ensuring Proper Synchronization** – Verified that the updated UPN matches the configured domain to enable seamless sign-in via Entra Connect.



Downloading Microsoft Entra Connect

- **Accessing Entra Admin Center** – Logged into the Microsoft Entra Admin Center to manage hybrid identity configurations.
- **Navigating to Hybrid Management** – Went to the Hybrid Management section to set up Entra Connect for synchronization.
- **Downloading Entra Connect** – Initiated the download of Entra Connect to begin the integration process between on-premises AD and Entra ID.



Connecting Entra ID and AD DS

- **Connected Entra ID** – Configured Microsoft Entra Connect to establish a link with my Entra ID.
- **Connected AD DS** – Synced my on-premises Active Directory Domain Services (AD DS) with Entra ID for hybrid identity management.

The screenshot shows the 'Microsoft Entra Connect Sync' window. On the left, a navigation pane lists 'Welcome', 'Express Settings', 'Connect to Microsoft Entra' (highlighted), 'Connect to AD DS', and 'Configure'. The main area is titled 'Connect to Microsoft Entra' and instructs the user to 'Enter your Microsoft Entra ID Hybrid Identity Administrator (preferred) or Global Administrator credentials.' Below this, there is a 'USERNAME*' field containing 'miguelkent@mkent106.onmicrosoft.com'. At the bottom, there are 'Previous' and 'Next' buttons.

The screenshot shows the 'Microsoft Entra Connect Sync' window. On the left, a navigation pane lists 'Express Settings', 'Connect to Microsoft Entra', 'Connect to AD DS' (highlighted), and 'Configure'. The main area is titled 'Connect to AD DS' and instructs the user to 'Enter the Active Directory Domain Services enterprise administrator credentials.' Below this, there are two fields: 'USERNAME' containing 'MIGUELKLOCAL\administrator' and 'PASSWORD' containing masked characters. At the bottom, there are 'Previous' and 'Next' buttons.

Successful Entra ID Synchronization

- **User Appears in Entra ID** – The on-premises AD user now has an account in Entra ID, confirming successful synchronization.
- **Directory Sync Complete** – All configured users and attributes have been synced between AD DS and Entra ID.
- **Hybrid Identity Ready** – Users can now seamlessly authenticate and access resources across both environments.

