# 🧩 Lab Demo: Integrating On-Prem AD with Microsoft 365 – Domain Name Sync

In this demo, I'll show how I added and verified a custom domain in Microsoft 365, by configuring my on-prem DNS, Active Directory Domains and Trusts, and creating a TXT record to prove ownership. A real-world identity and access integration!

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First, I reviewed my Active Directory Users and Groups to check the current domain configuration and existing users.
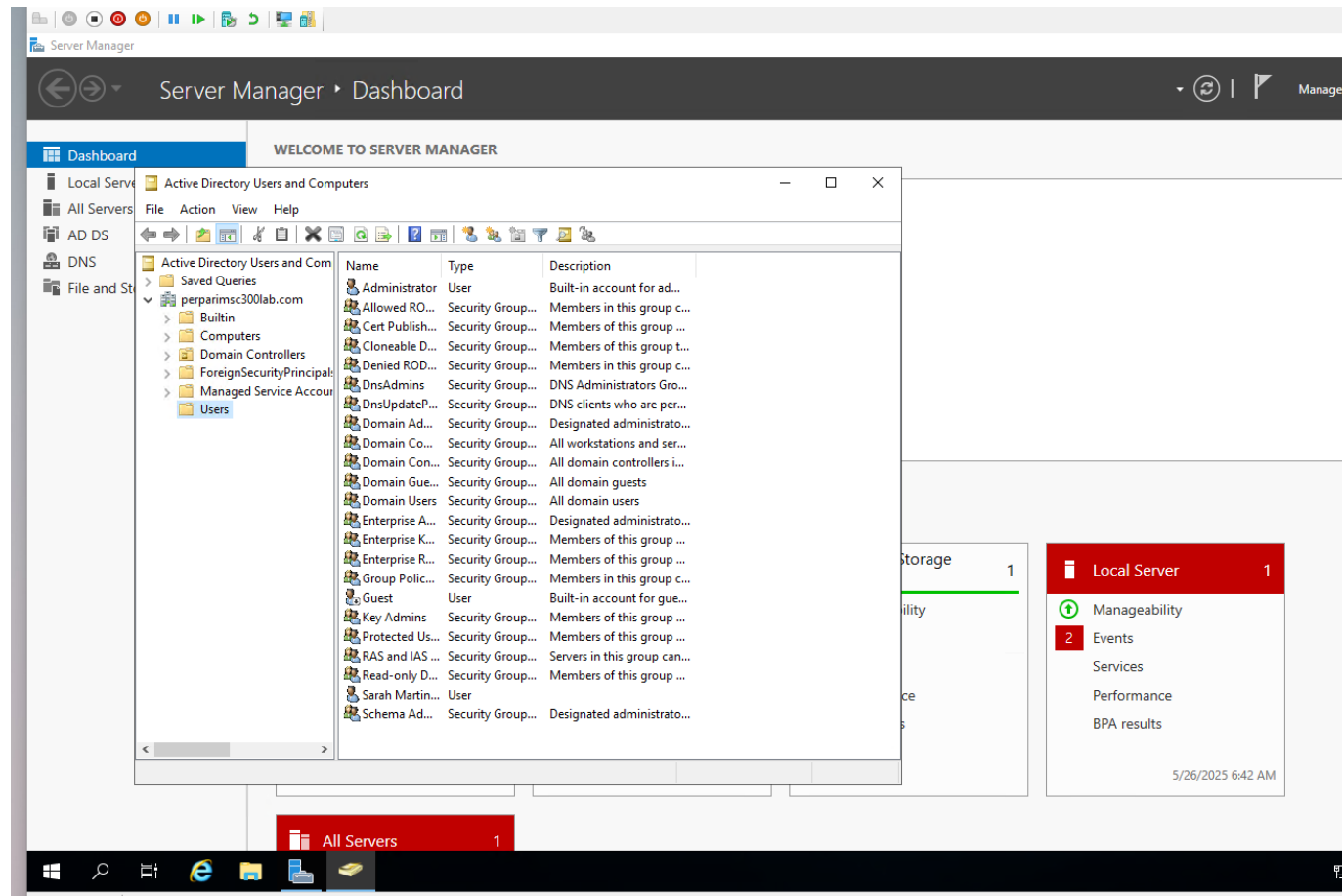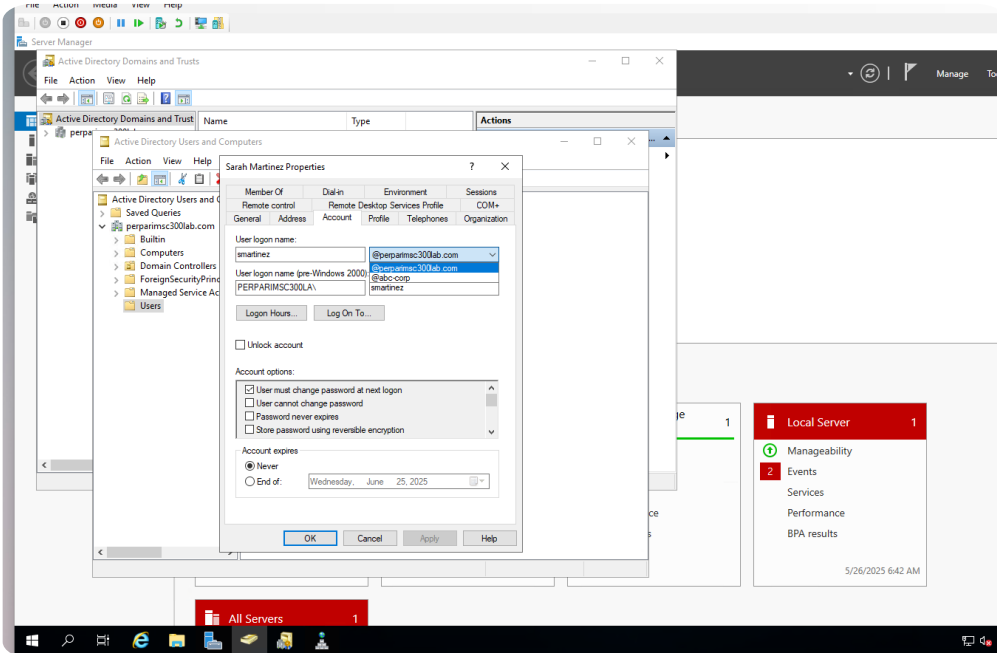
Add an Alternative UPN Suffix

I added an additional UPN suffix abc-corp.com in Active Directory Domains and Trusts. This allows users to log in with different domain identities.
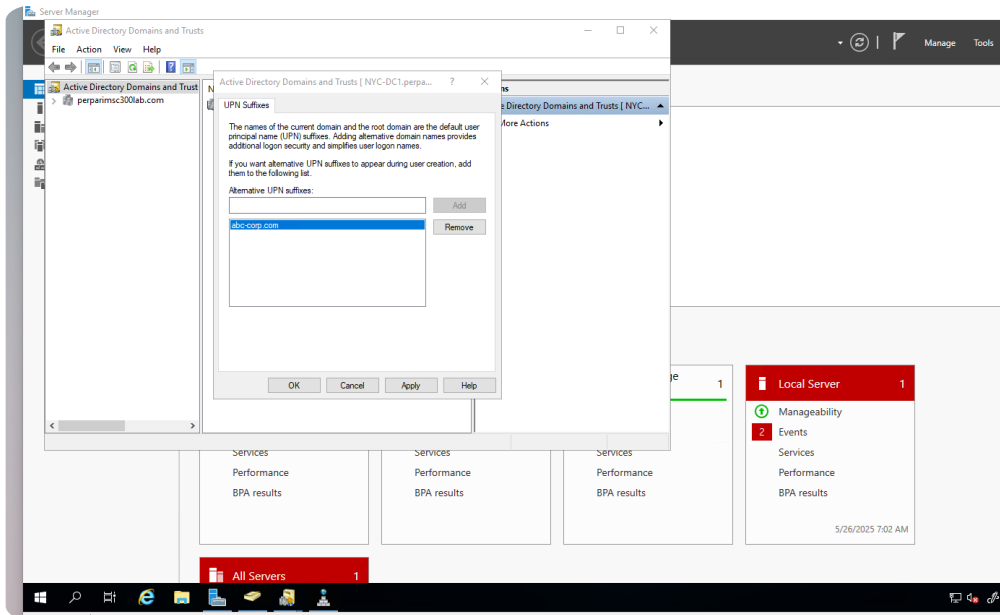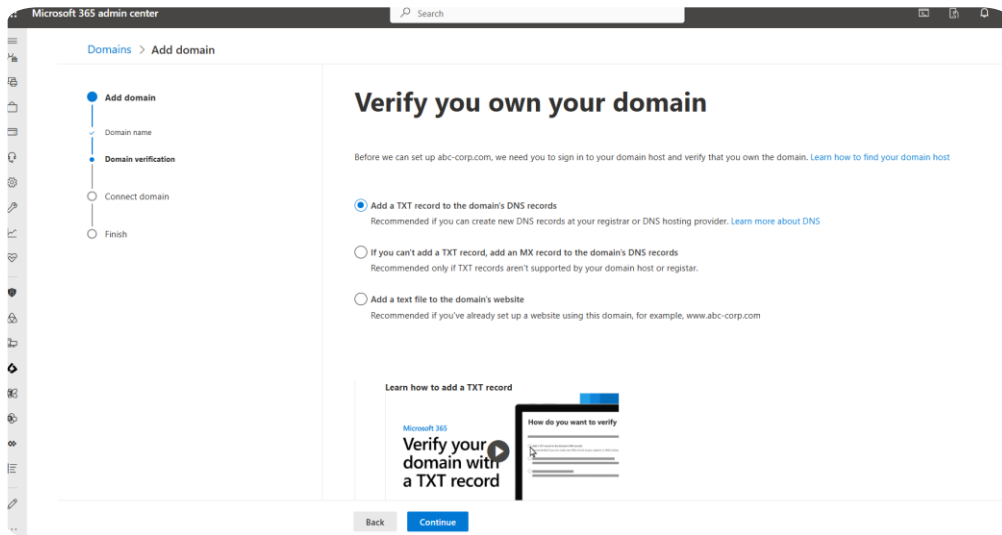
Apply New UPN to a User

- Now I can assign the new UPN to a user – in this case, smartinez@abc-corp.com. This sets us up for syncing to Microsoft 365.
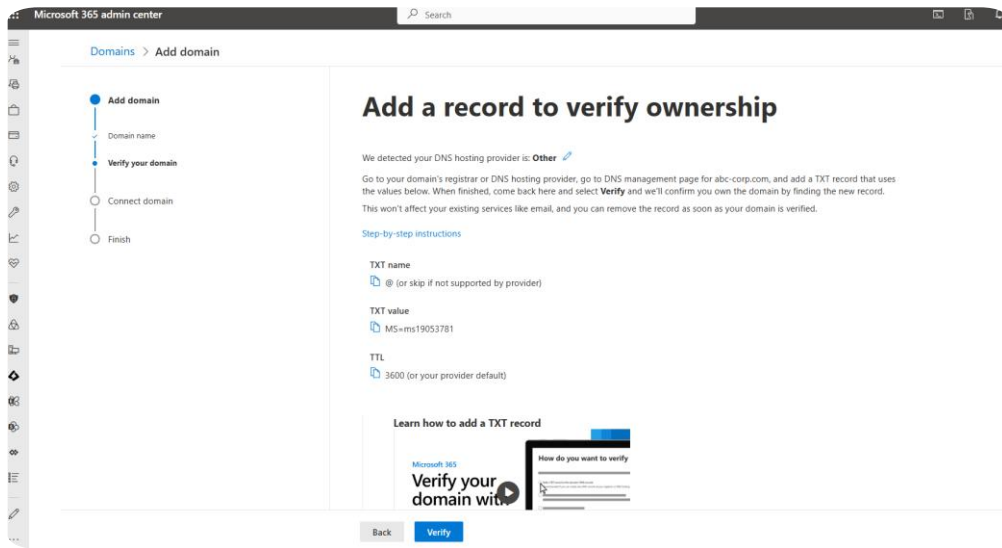
Start Domain Setup in Microsoft 365

- I logged into the Microsoft 365 Admin Center and began the process of adding abc-corp.com as a new custom domain.
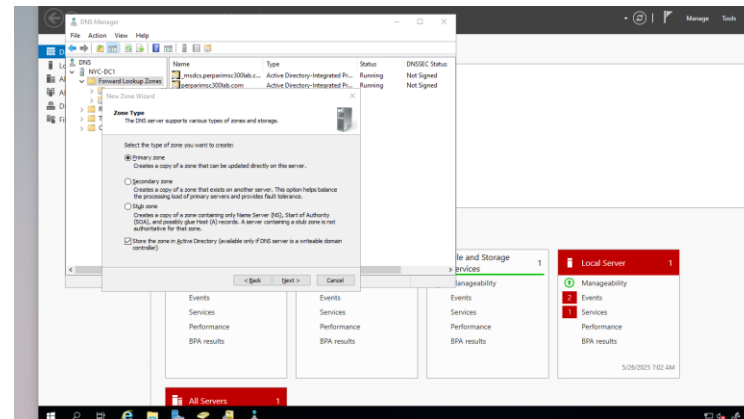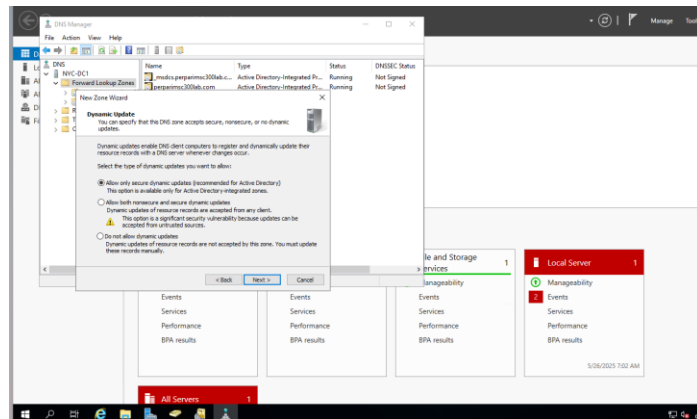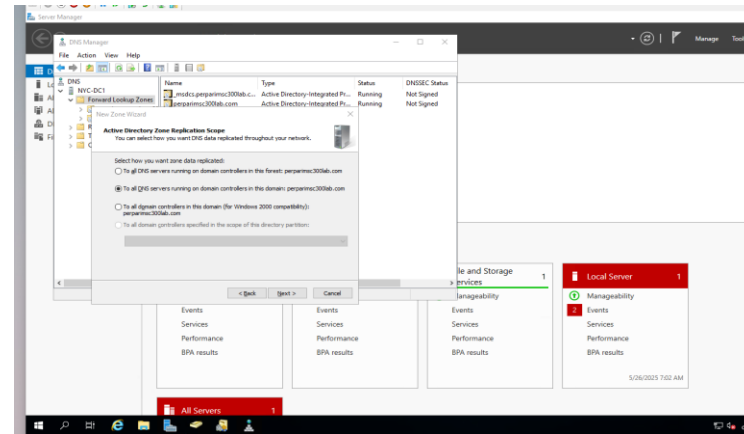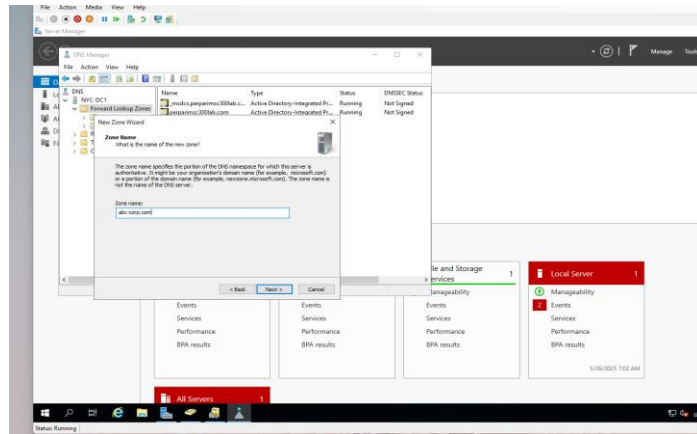
Choose Verification Method

- To prove I own the domain, Microsoft lets me choose TXT or MX record verification. I chose to add a TXT record in my on-prem DNS server.

Get TXT Verification Details

- Microsoft gave me the exact TXT name and value I need to add. This is how Microsoft confirms the domain is under my control.
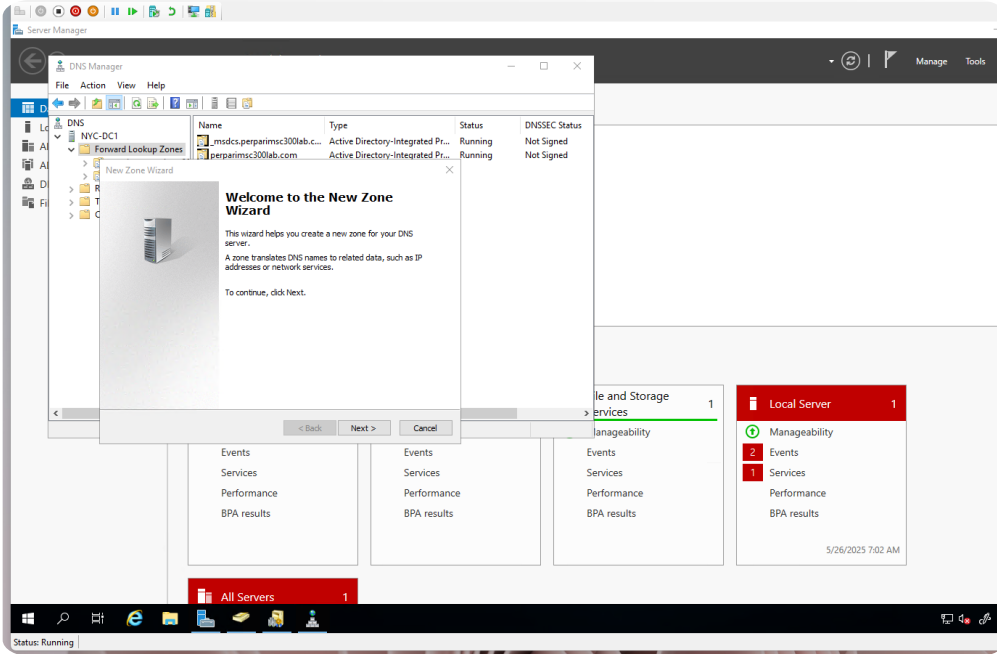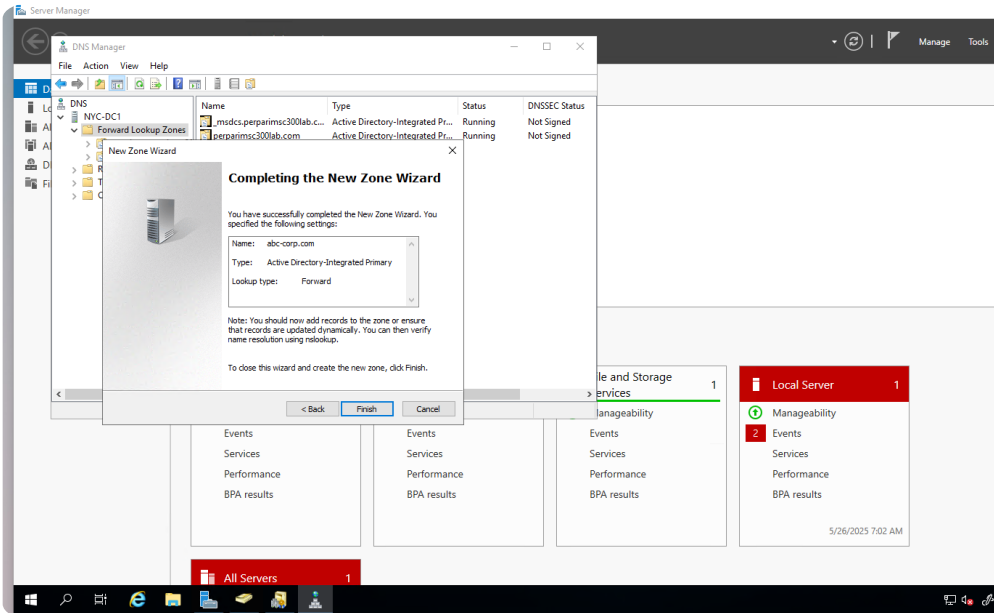
Slide 8: Create New DNS Zone

- I went to DNS Manager and created a new Forward Lookup Zone for abc-corp.com. This makes the domain resolvable on my on-prem network.
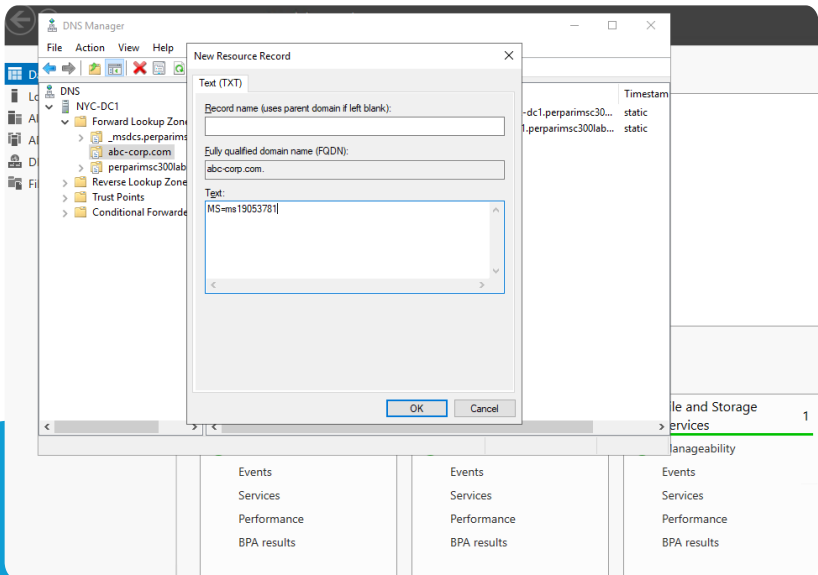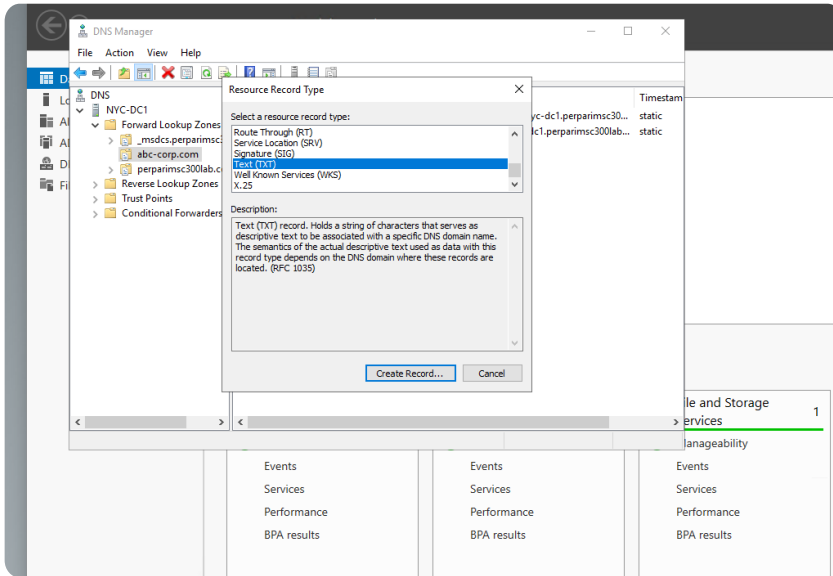
Complete DNS Zone Setup

- The zone was created as an AD-Integrated Primary zone, allowing secure dynamic updates and replication.
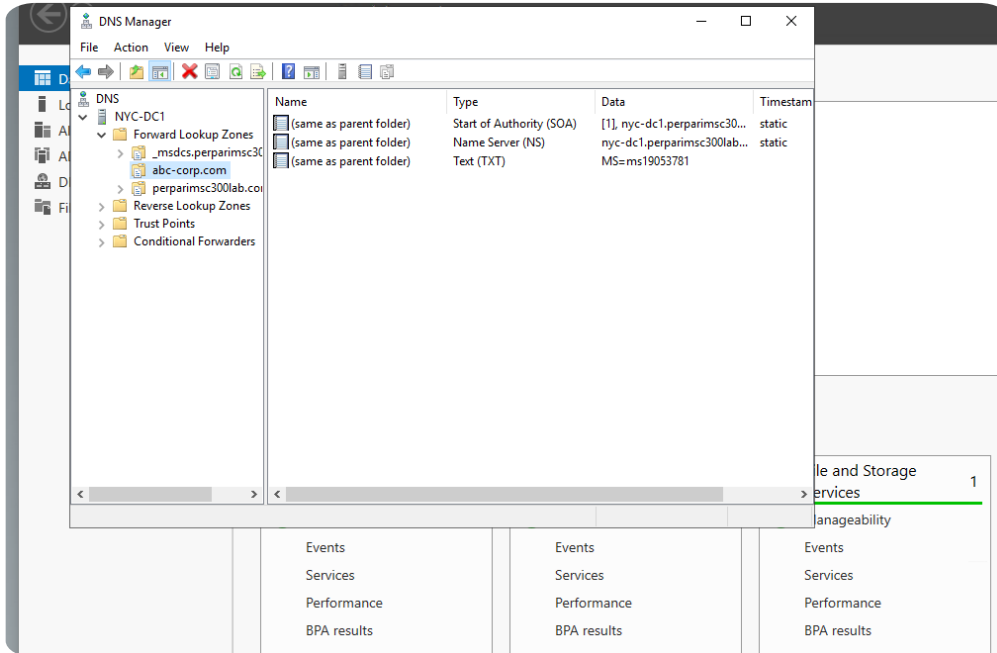
Add TXT Record in DNS

- I added the TXT record exactly as shown in the Microsoft 365 portal, inside the new DNS zone.
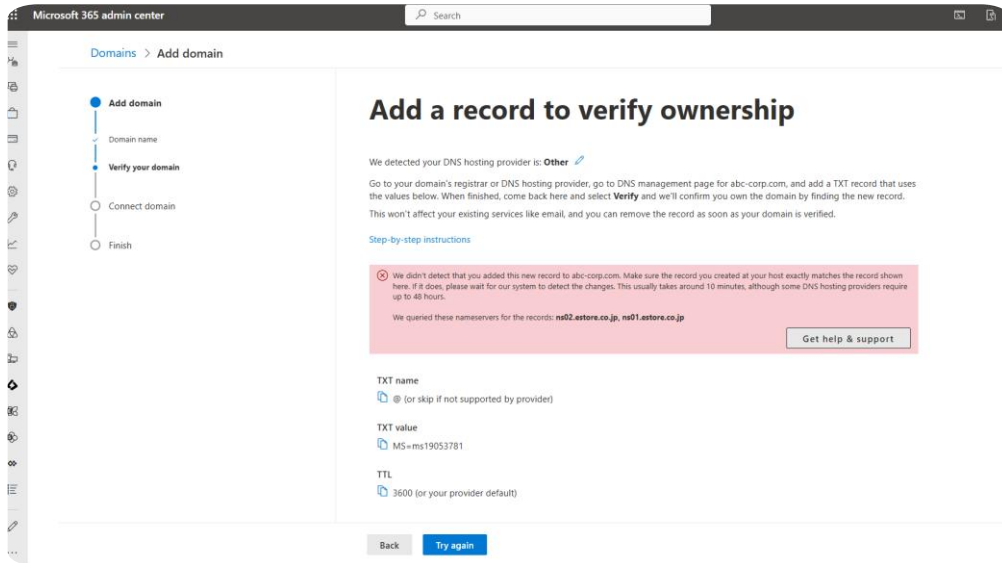
TXT Record Now Visible

- Here we see the TXT record successfully created. Now we go back to Microsoft 365 to verify the domain.

Domain Verification Attempt

- Since my DNS server isn't publicly resolvable, Microsoft couldn't verify the record. But in real-world, if DNS was public, verification would succeed.

✅ Key Takeaways

- ✅ How to add UPN suffixes for multiple domains
- ✅ How to register domains in Microsoft 365
- ✅ Creating new zones and TXT records in DNS
- ✅ Real-world scenario for hybrid identity setup

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