Configuration of Azure-Private DNS Environment in AACN – *aacn.org*

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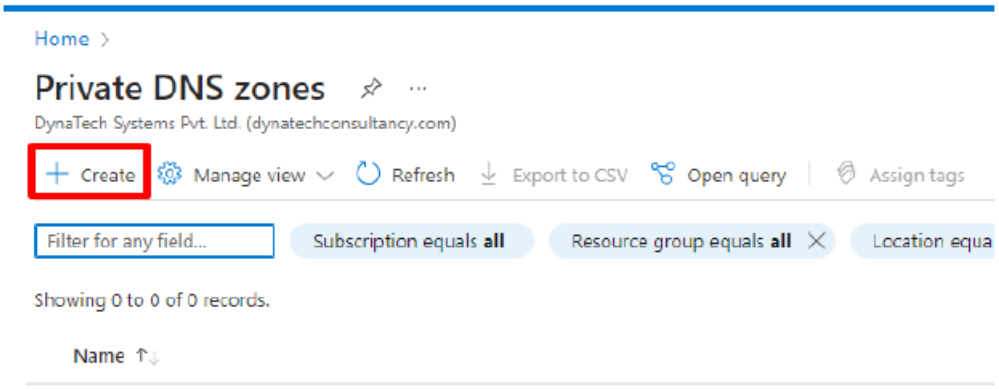
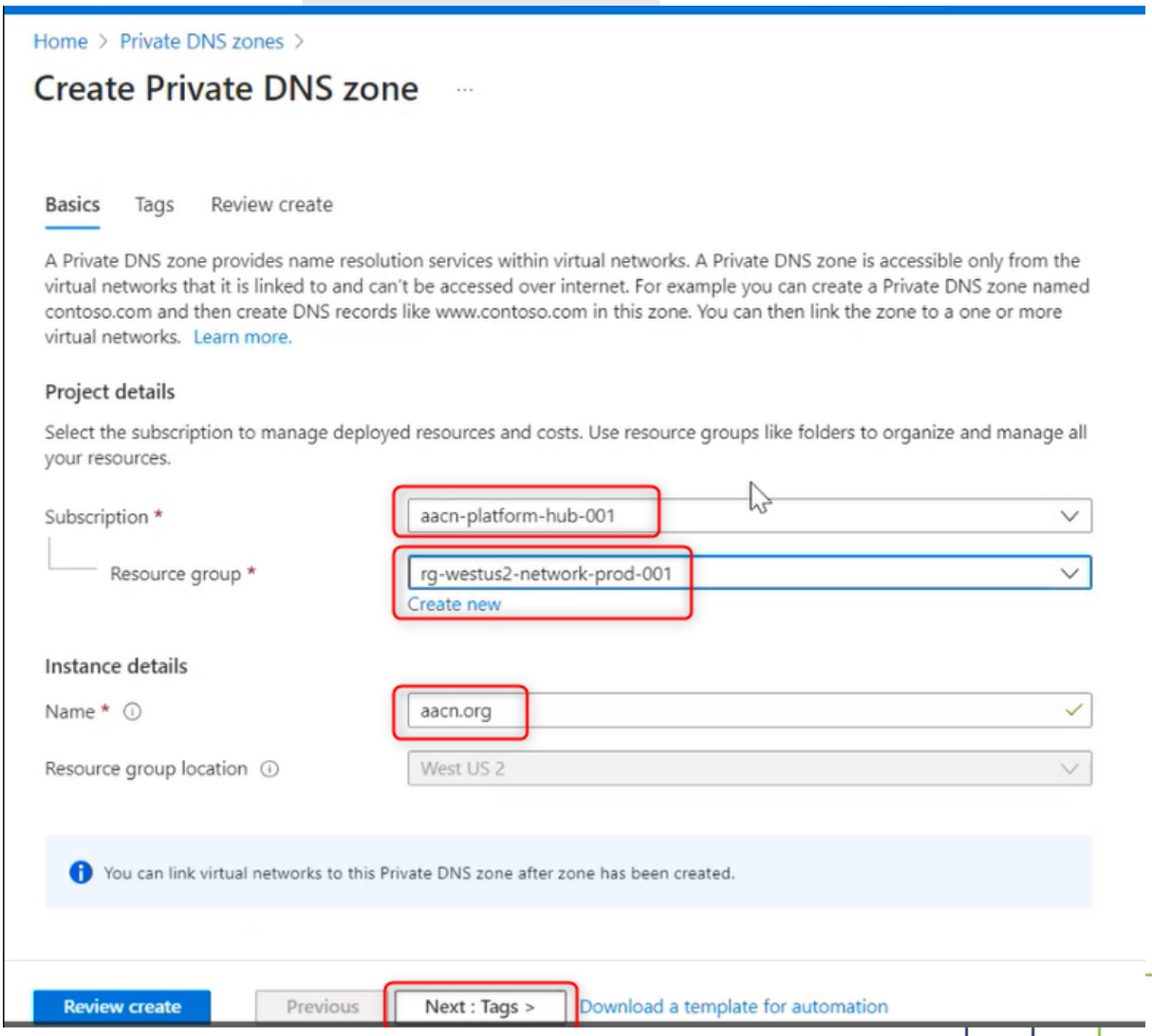
Pre-requisites:

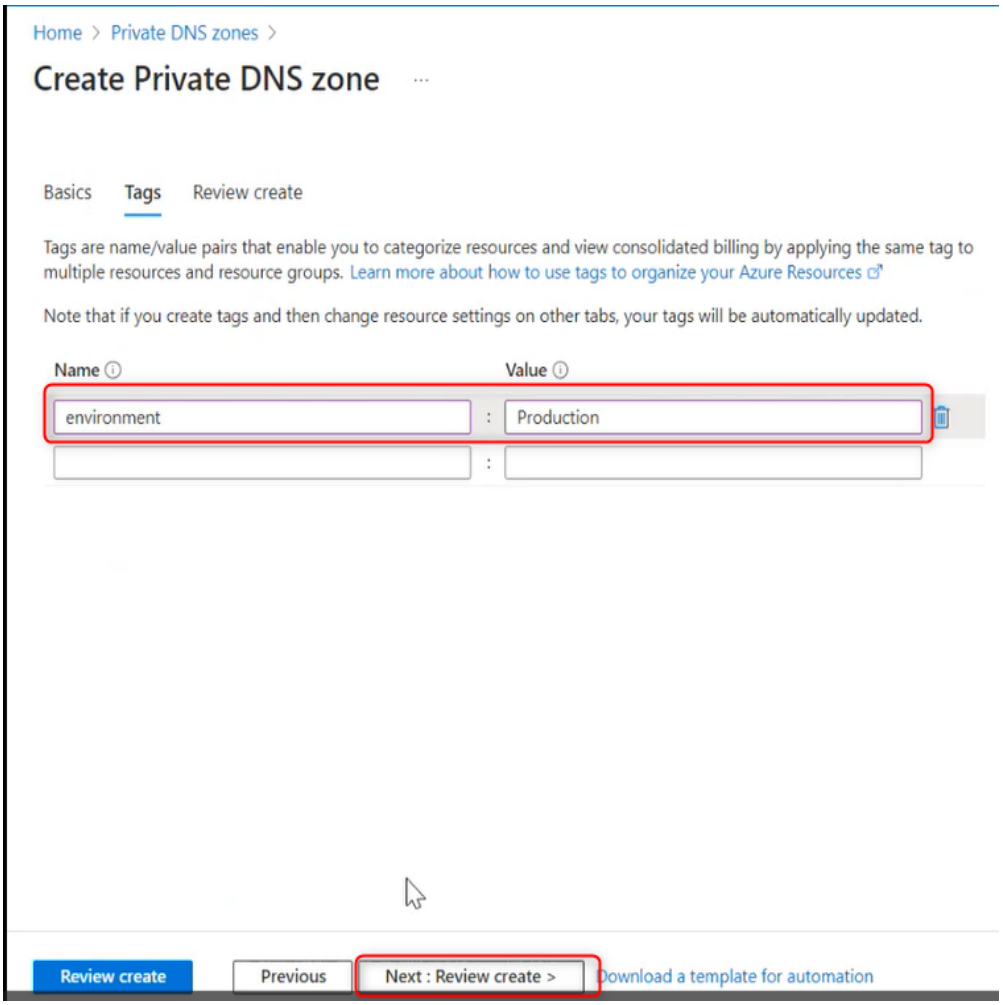
1. Make sure the vnet(site-to-site) is connected and active, and no restrictions are set between both endpoints.
2. Check Pinging to on-premises and on-premises to cloud using private IP address.

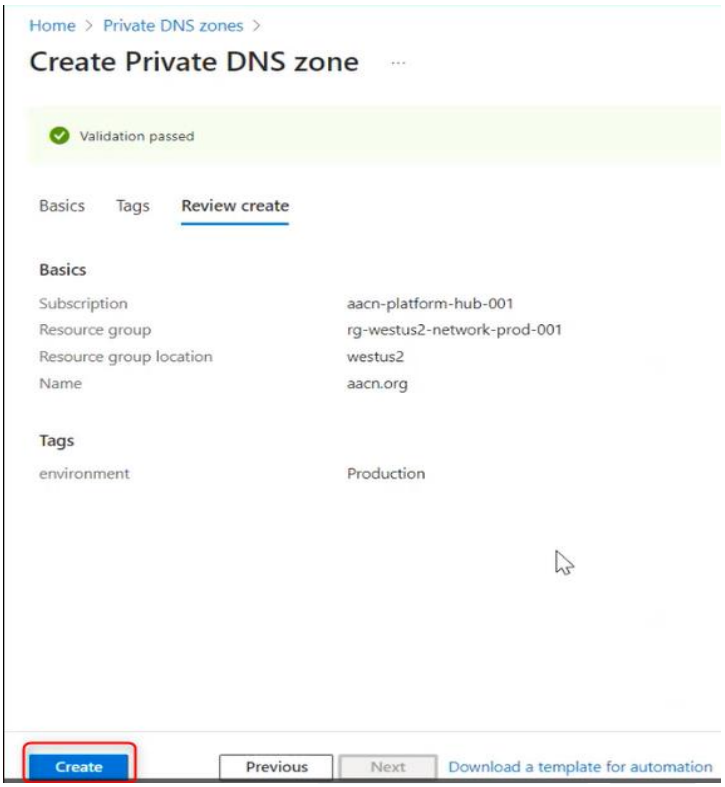
3. Go to Azure -> Create private DNS zones.

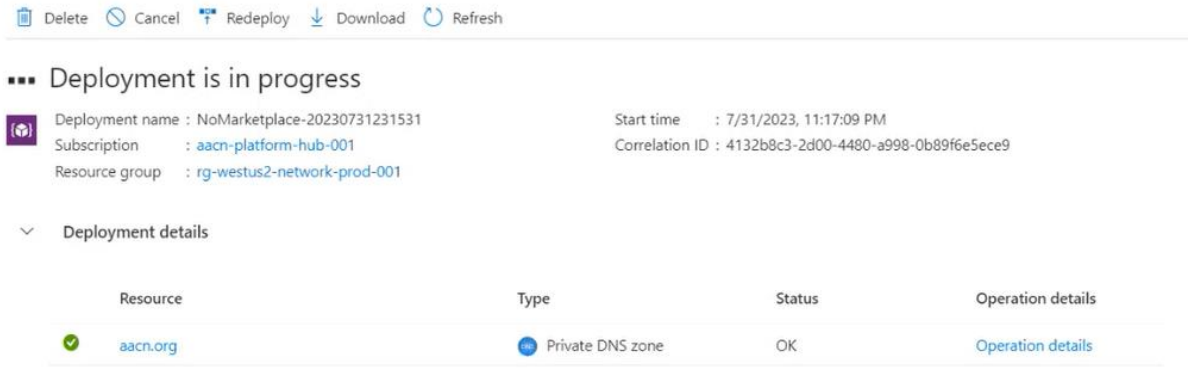


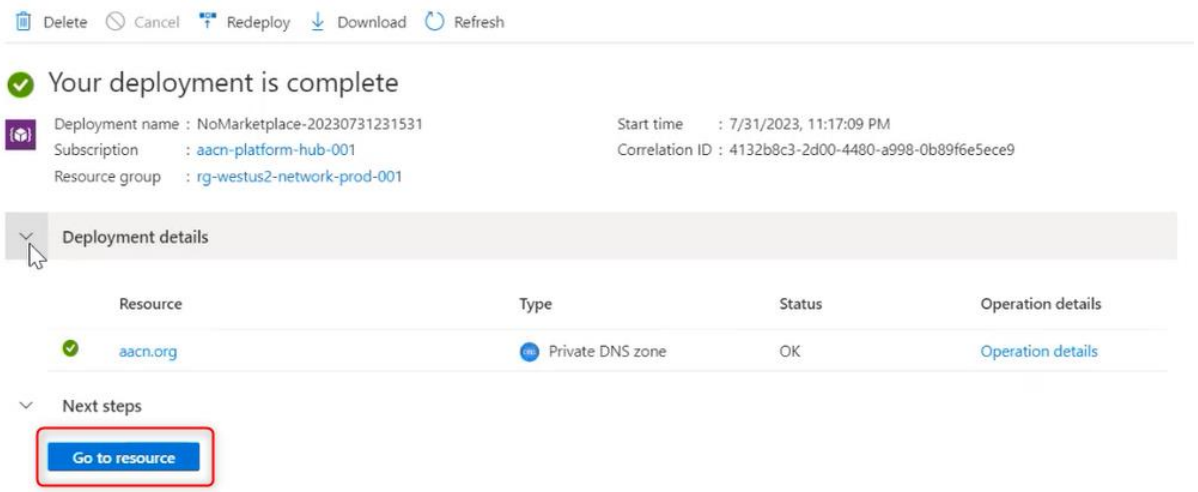
4. Select the Subscription, Resource Group, and Instance details name (it is your on prem Domain name).



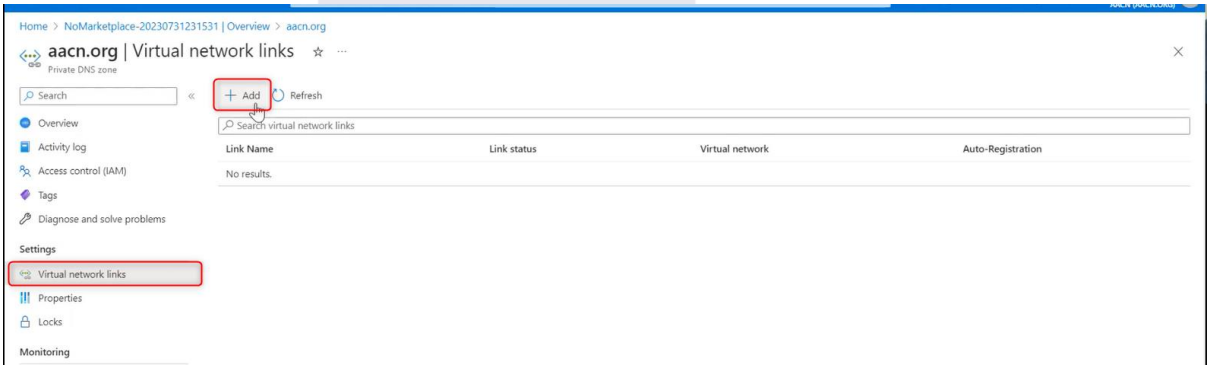

Home > Private DNS zones >
Create Private DNS zone
Basics
Tags
Review create
Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. Learn more about how to use tags to organize your Azure Resources
Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.
Name
Value
environment
Production
Review create
Previous
Next : Review create >
Download a template for automation

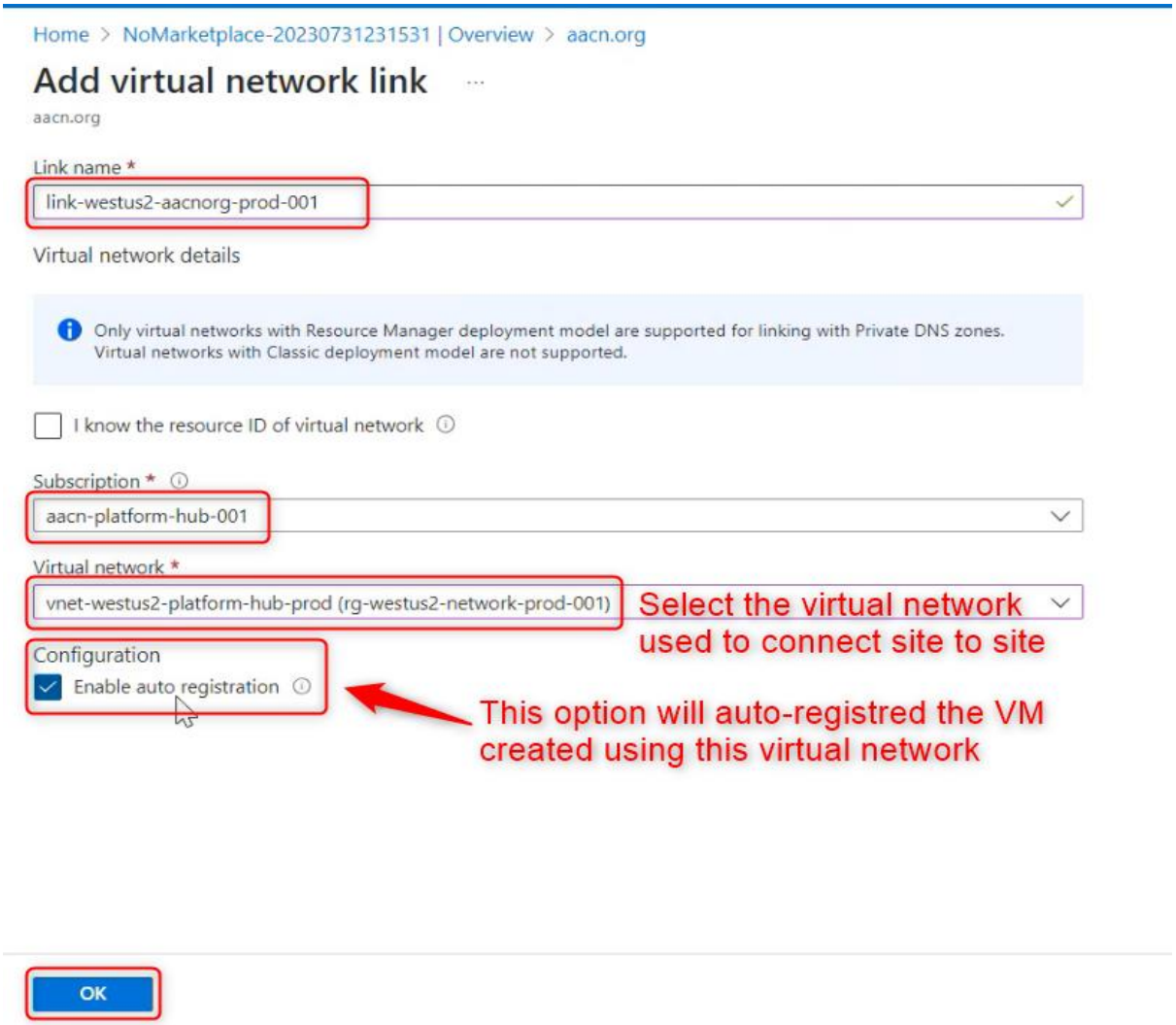

Home > Private DNS zones >
Create Private DNS zone
Validation passed
Basics
Tags
Review create
Basics
Subscription
aacn-platform-hub-001
Resource group
rg-westus2-network-prod-001
Resource group location
westus2
Name
aacn.org
Tags
environment
Production
Create
Previous
Next
Download a template for automation

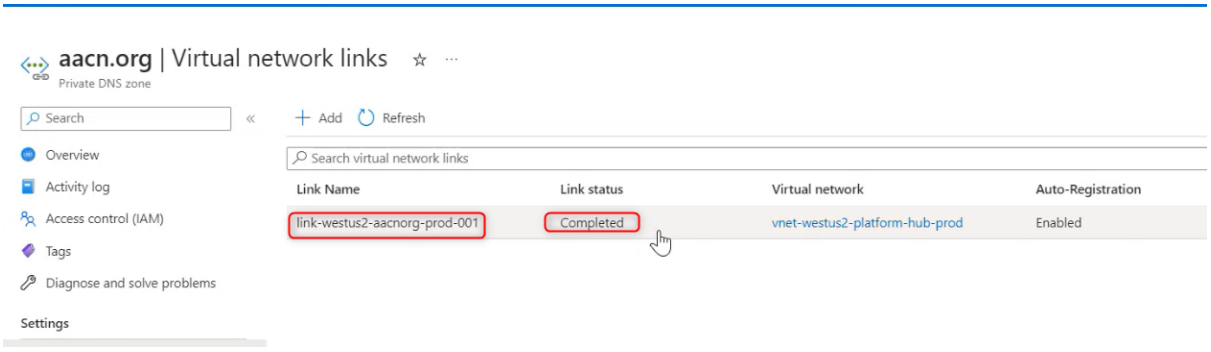

Delete
Cancel
Redeploy
Download
Refresh
Deployment is in progress
Deployment name : NoMarketplace-20230731231531
Subscription : aacn-platform-hub-001
Resource group : rg-westus2-network-prod-001
Start time : 7/31/2023, 11:17:09 PM
Correlation ID : 4132b8c3-2d00-4480-a998-0b89f6e5ece9
Deployment details
Resource
Type
Status
Operation details
aacn.org
Private DNS zone
OK
Operation details

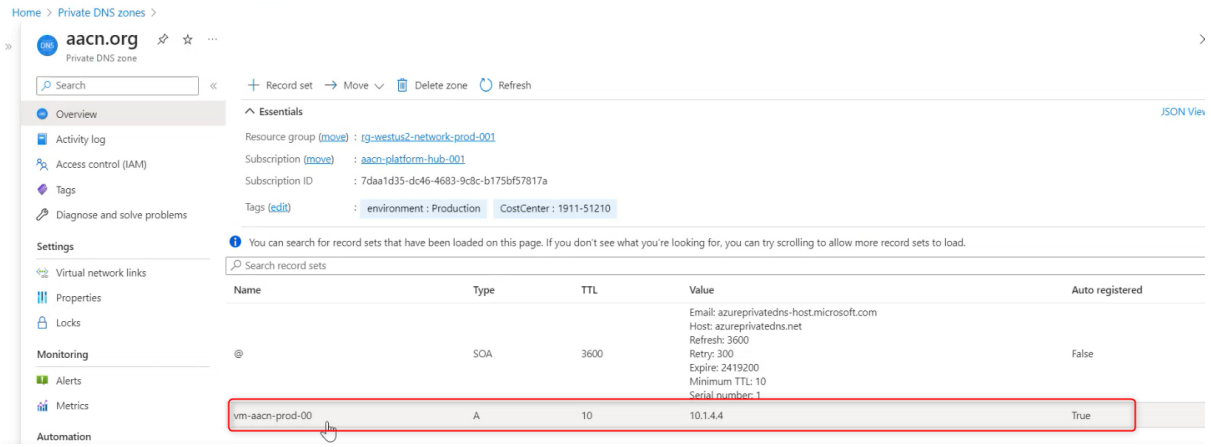


5. Go to Virtual network link and add:



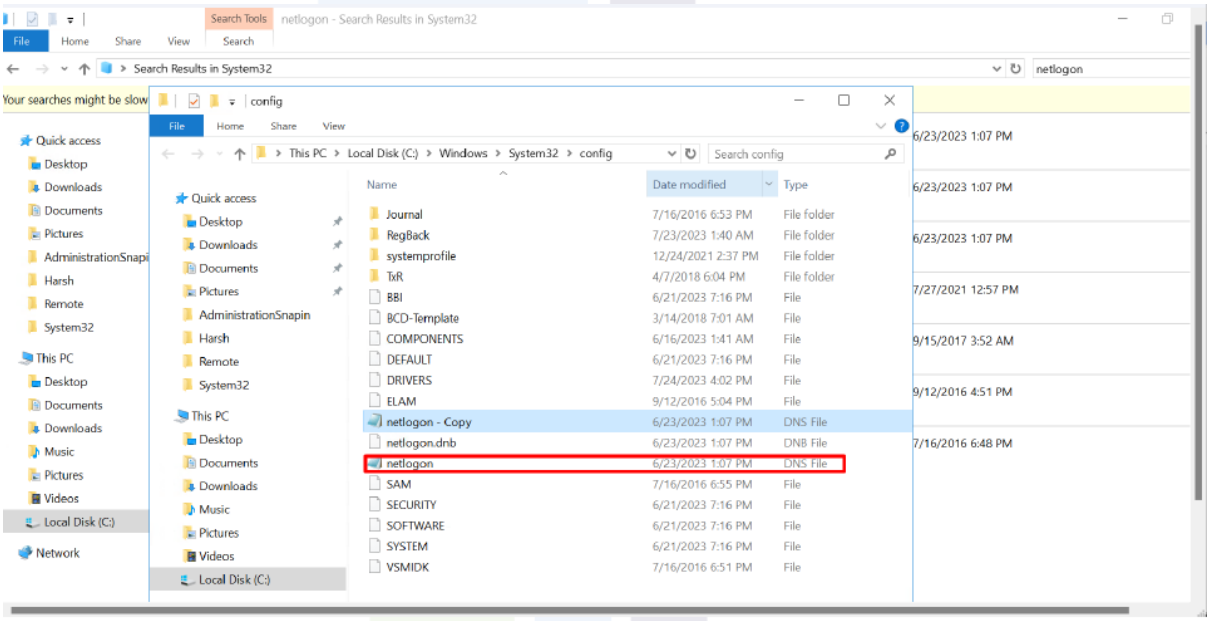

Home > NoMarketplace-20230731231531 | Overview > aacn.org
Add virtual network link
aacn.org
Link name *
link-westus2-aacnorg-prod-001
Virtual network details
Only virtual networks with Resource Manager deployment model are supported for linking with Private DNS zones.
Virtual networks with Classic deployment model are not supported.
I know the resource ID of virtual network
Subscription *
aacn-platform-hub-001
Virtual network *
vnet-westus2-platform-hub-prod (rg-westus2-network-prod-001)
Select the virtual network used to connect site to site
Configuration
Enable auto registration
This option will auto-registred the VM created using this virtual network
OK


aacn.org | Virtual network links
Private DNS zone
Search
Add
Refresh
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Search virtual network links
Link Name
Link status
Virtual network
Auto-Registration
link-westus2-aacnorg-prod-001
Completed
vnet-westus2-platform-hub-prod
Enabled

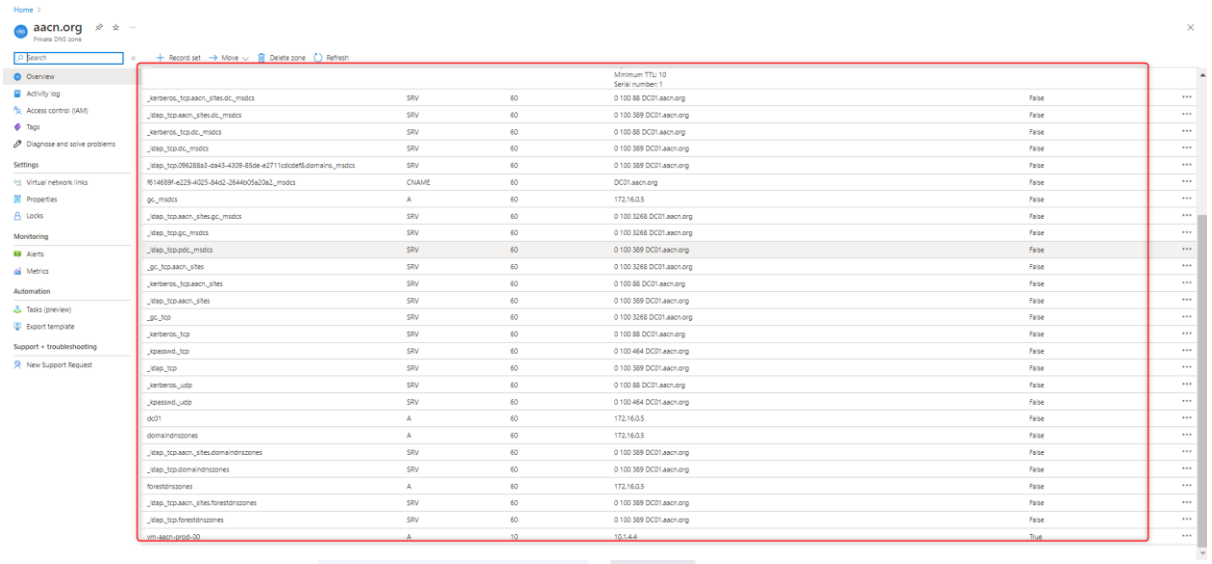


6. Go to on-premises AD and go to below path:

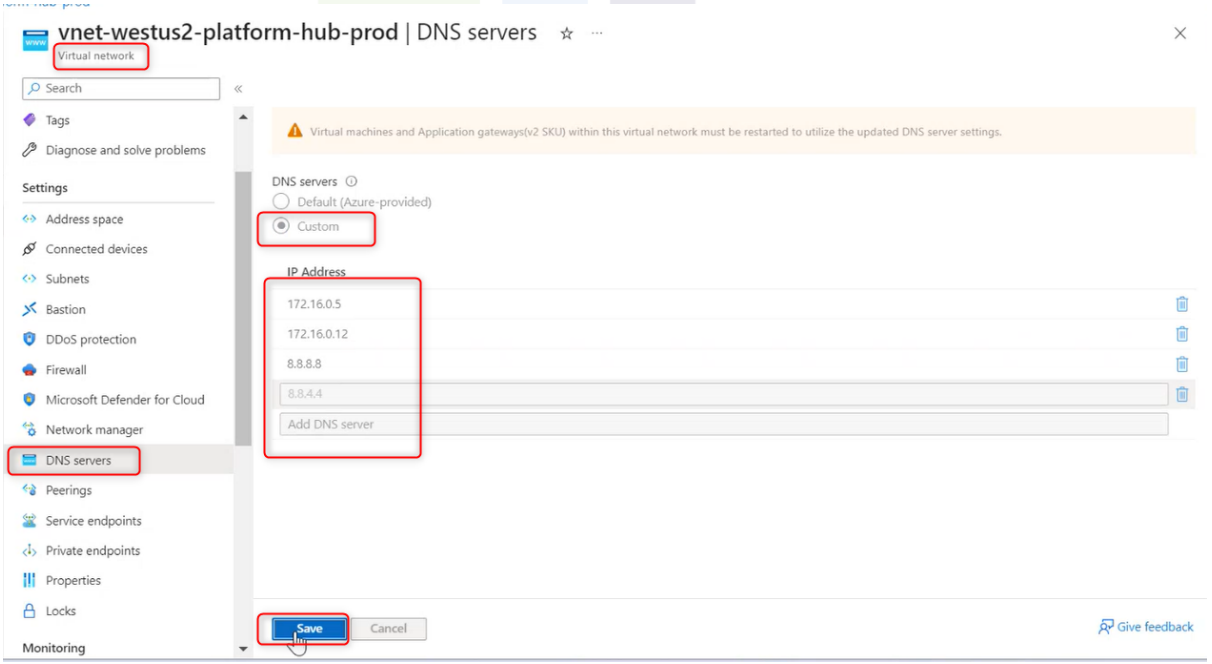
   Run->"%SystemRoot%\System32\config". Copy netlogon.dns file in your local system. Need to add those records in Azure Private DNS.



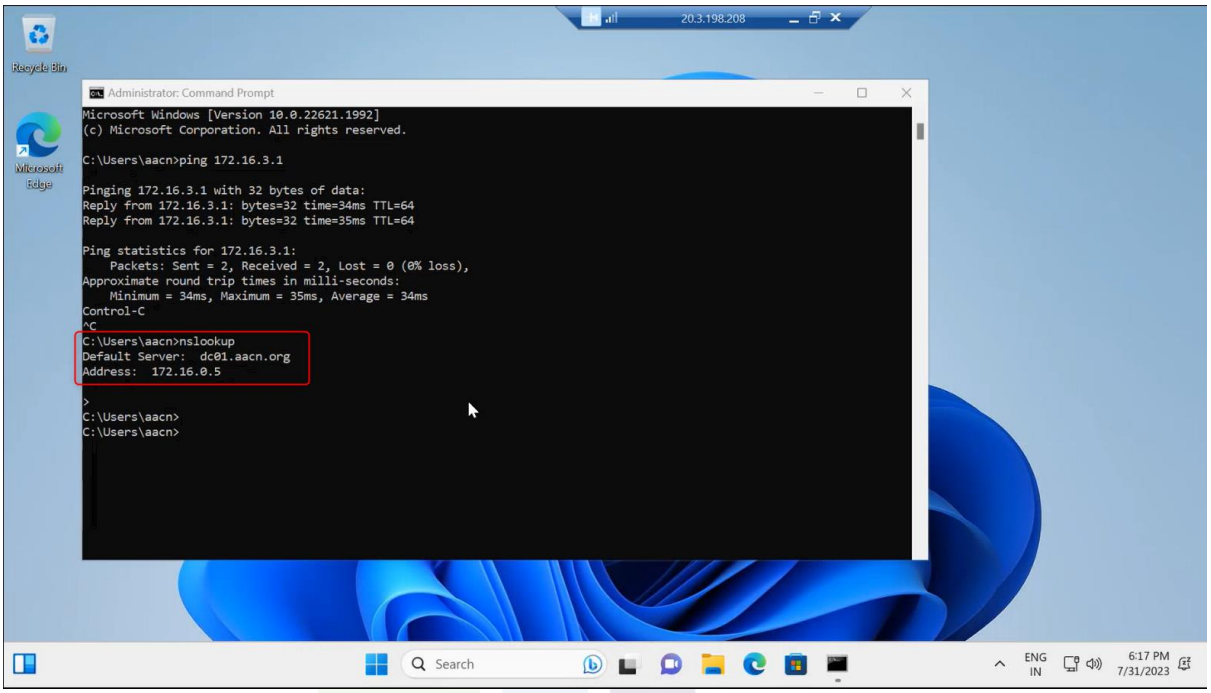
➔ These records are of global catlogs, forest, Domains, Kerberos, ldap purposes.



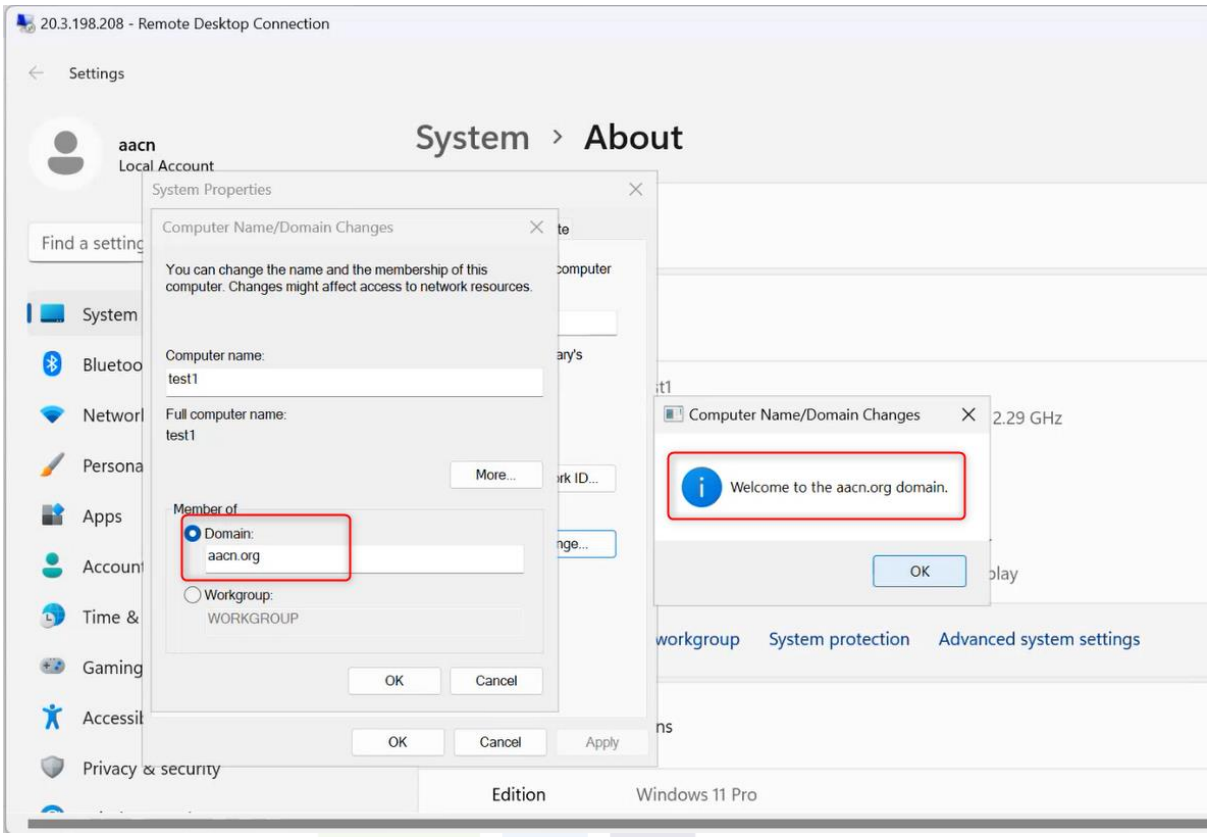
7. Add DNS Ips in virtual networks ->Custom DNS servers (public and Private):



8. Restart the Azure VM:
   nslookup should be your private DNS server IP and able to connect using DNS name:



9. Add the Azure VM in LocalAD:



10. Restart the VM. Once, VM is restarted, make sure: Able to see azure VM DNS entry in Local DNS.