Azure
Synapse Workspace

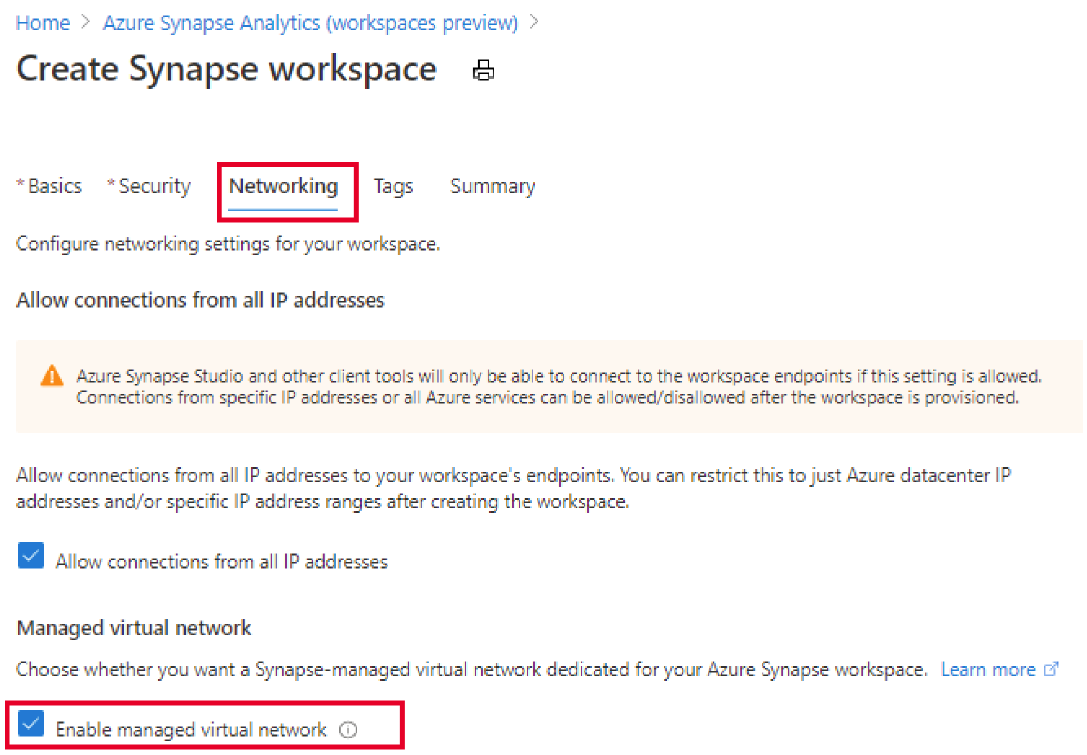
Network Security:

Managed Vnet, private endpoints, and data exfiltration protection (DEP).

Avaliable Options for Synapse Networking

1. Synapses Workspace with Managed Vnet
2. Synapse Workspaces with Managed Vnet + DEP enabled

1



Home > Azure Synapse Analytics (workspaces preview) >

Create Synapse workspace

Configure networking settings for your workspace.

Allow connections from all IP addresses

Azure Synapse Studio and other client tools will only be able to connect to the workspace endpoints if this setting is allowed. Connections from specific IP addresses or all Azure services can be allowed/disallowed after the workspace is provisioned.

Allow connections from all IP addresses to your workspace's endpoints. You can restrict this to just Azure datacenter IP addresses and/or specific IP address ranges after creating the workspace.

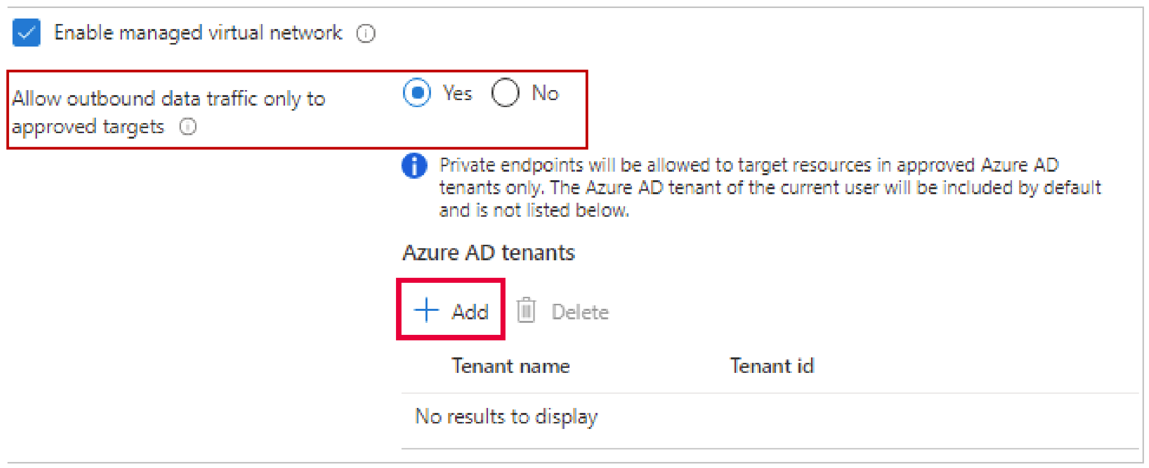
☑ Allow connections from all IP addresses

Managed virtual network

Choose whether you want a Synapse-managed virtual network dedicated for your Azure Synapse workspace. Learn more

☑ Enable managed virtual network

2



☑ Enable managed virtual network

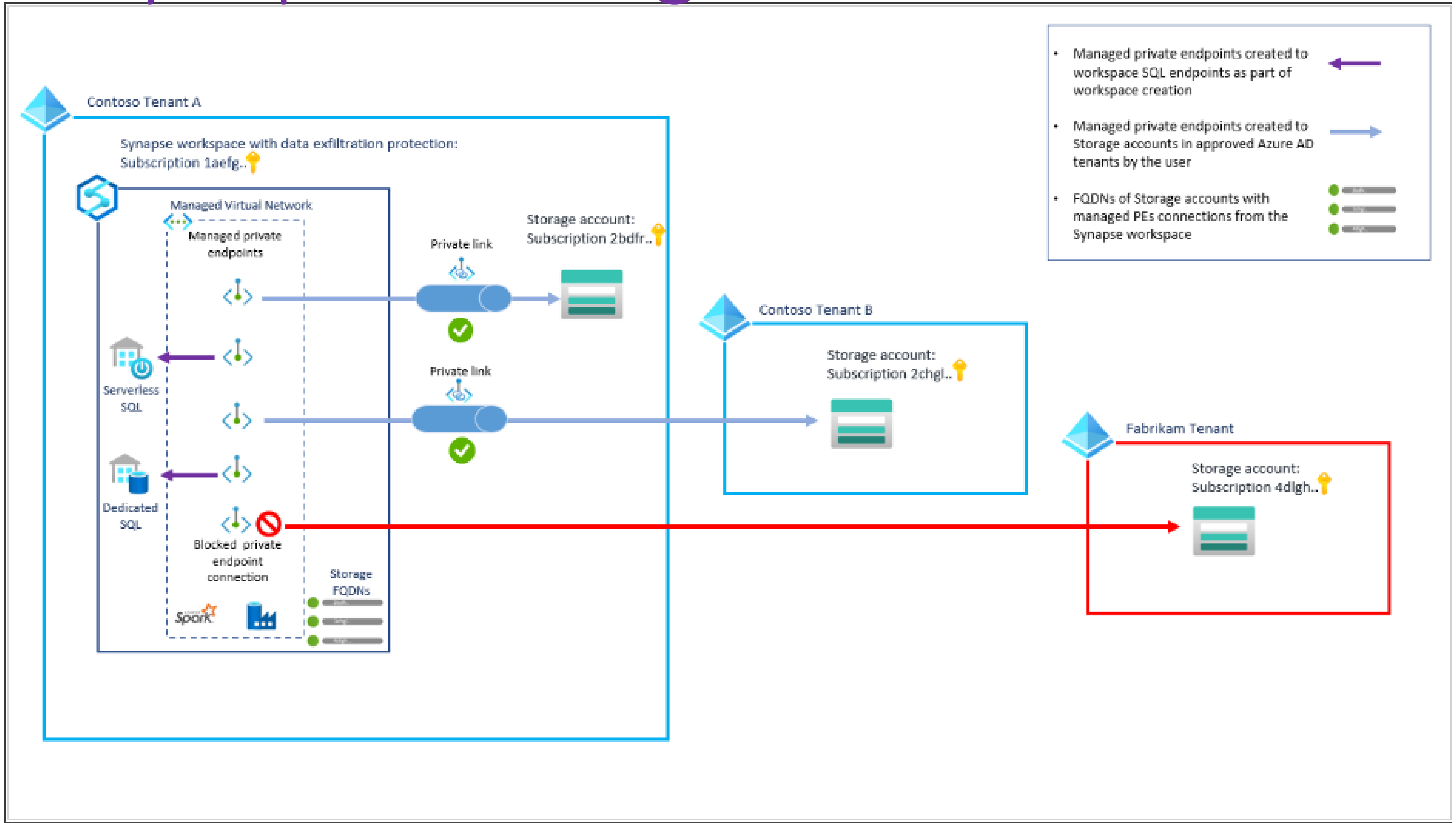
Allow outbound data traffic only to approved targets ● Yes ○ No

Private endpoints will be allowed to target resources in approved Azure AD tenants only. The Azure AD tenant of the current user will be included by default and is not listed below.

Azure AD tenants

Tenant name	Tenant id
No results to display	

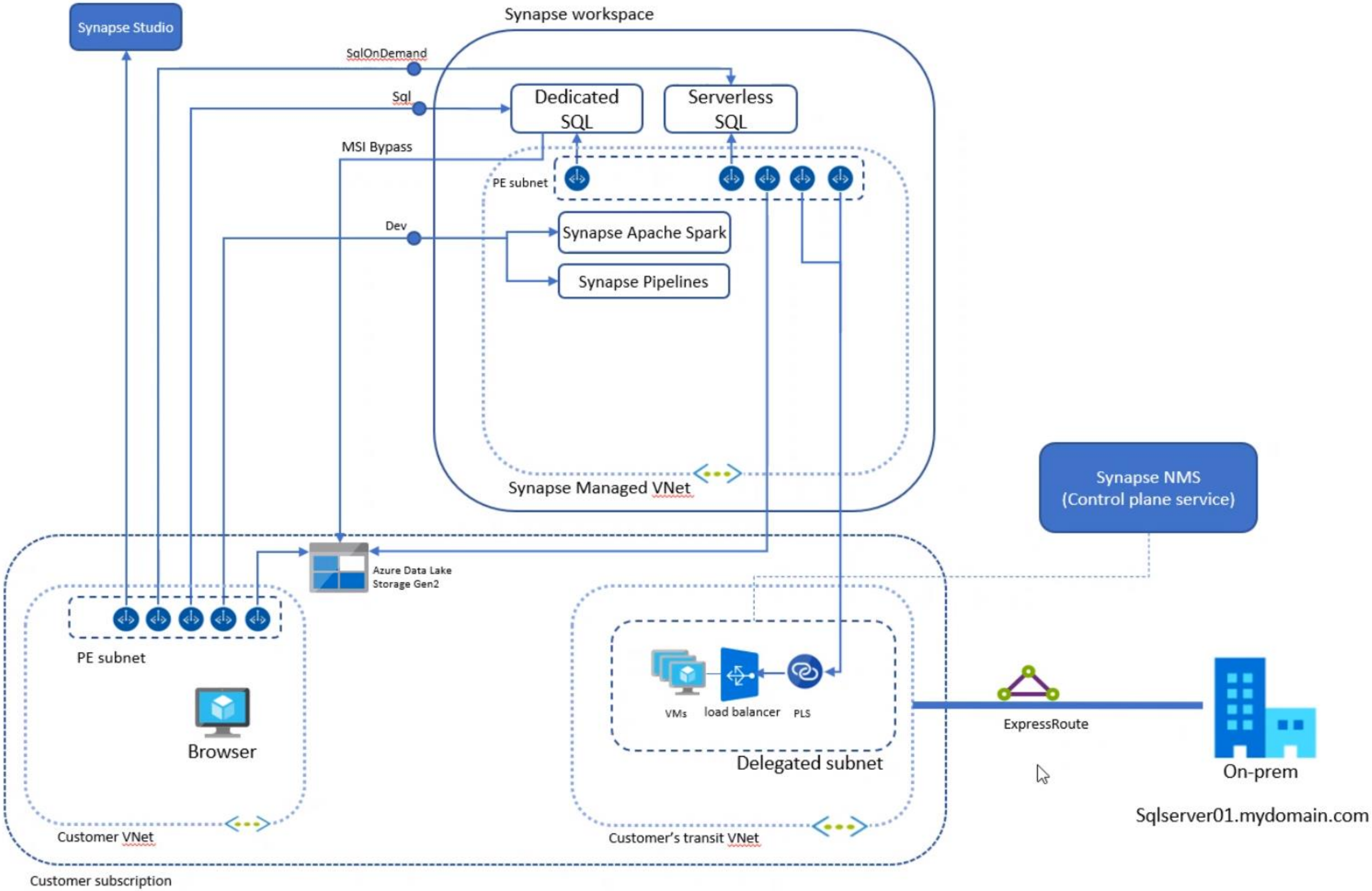
Azure Synapse Managed Vnet



- Managed private endpoints created to workspace SQL endpoints as part of workspace creation
- Managed private endpoints created to Storage accounts in approved Azure AD tenants by the user
- FQDNs of Storage accounts with managed PEs connections from the Synapse workspace

ⓘ **Important**

Resources in tenants other than the workspace's tenant must not have blocking firewall rules in place for the SQL pools to connect to them. Resources within the workspace's managed virtual network, such as Spark clusters, can connect over managed private links to firewall-protected resources.


Synapse Studio
Synapse workspace
SqlOnDemand
Sql
Dedicated SQL
Serverless SQL
MSI Bypass
PE subnet
Dev
Synapse Apache Spark
Synapse Pipelines
Synapse Managed VNet
Synapse NMS
(Control plane service)
Azure Data Lake Storage Gen2
PE subnet
Browser
Customer VNet
Customer subscription
VMs
load balancer
PLS
Delegated subnet
Customer's transit VNet
ExpressRoute
On-prem
Sqlserver01.mydomain.com