



Create a delegated subnet for Azure NetApp Files

NetApp Solutions

NetApp
August 18, 2021

This PDF was generated from https://docs.netapp.com/us-en/netapp-solutions/ai/aks-anf_create_a_delegated_subnet_for_azure_netapp_files.html on October 21, 2021. Always check docs.netapp.com for the latest.

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Create a delegated subnet for Azure NetApp Files

Previous: [Install and set up the AKS cluster.](#)

To create a delegated subnet for Azure NetApp Files, complete the following steps:

1. Navigate to Virtual Networks within the Azure portal. Find your newly created virtual network. It should have a prefix such as `aks-vnet`.
2. Click the name of the VNet.

The screenshot shows the Azure portal interface for Virtual networks. The top navigation bar includes the Microsoft Azure logo and a search bar. Below the navigation bar, the 'Virtual networks' page is displayed for the user 'seanlucelive (Default Directory)'. The page includes a toolbar with options like 'Add', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', and 'Feedback'. A filter bar shows 'Subscription == AzureSub01', 'Resource group == all', and 'Location == all'. The main content area shows a table of virtual networks with columns: Name, Resource group, Location, and Subscription. The first entry, 'aks-vnet-22885919', is highlighted with a red box.

Name	Resource group	Location	Subscription
aks-vnet-22885919	MC_sluce.rg_TridentDemo_eastus2	East US 2	AzureSub01

3. Click Subnets and click +Subnet from the top toolbar.

The screenshot shows the Azure portal interface for the 'aks-vnet-22885919 | Subnets' page. The top navigation bar includes the Microsoft Azure logo and a search bar. Below the navigation bar, the 'Subnets' page is displayed for the user 'seanlucelive (Default Directory)'. The page includes a toolbar with options like '+ Subnet', 'Gateway subnet', 'Refresh', 'Manage users', and 'Delete'. A left sidebar shows the navigation menu with options like 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Settings', 'Address space', 'Connected devices', and 'Subnets'. The main content area shows a table of subnets with columns: Name, IPv4, IPv6, Delegated to, and Security group. The first entry, 'aks-subnet', is highlighted with a red box.

Name	IPv4	IPv6 (many availab...	Delegated to	Security group
aks-subnet	10.240.0.0/16 (65530 av...	-	-	aks-agentpool-2288591...

4. Provide the subnet with a name such as `ANF.sn` and, under the Subnet Delegation heading, select `Microsoft.Netapp/volumes`. Do not change anything else. Click OK.

Add subnet



Name *

ANF.sn



Subnet address range * ⓘ

10.0.0.0/24

10.0.0.0 - 10.0.0.255 (251 + 5 Azure reserved addresses)

☐

Add IPv6 address space ⓘ

NAT gateway ⓘ

None



Network security group

None



Route table

None



SERVICE ENDPOINTS

Create service endpoint policies to allow traffic to specific azure resources from your virtual network over service endpoints. [Learn more](#)

Services ⓘ

0 selected



SUBNET DELEGATION

Delegate subnet to a service ⓘ

Microsoft.Netapp/volumes



OK

Cancel

Azure NetApp Files volumes are allocated to the application cluster and are consumed as persistent volume claims (PVCs) in Kubernetes. In turn, this process provides you the flexibility to map them to different services, such as Jupyter notebooks, serverless functions, and so on.

Users of services can consume storage from the platform in many ways. As this technical report discusses NFSs, the main benefits of Azure NetApp Files are:

- Providing users with the ability to use Snapshot copies.
- Enabling users to store large quantities of data on Azure NetApp Files volumes.
- Using the performance benefits of Azure NetApp Files volumes when running their models on large sets of files.

[Next: Peer AKS vnet and Azure NetApp Files vnet.](#)

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