



# **Enable NAS storage for Windows servers using SMB/CIFS**

**ONTAP 9**

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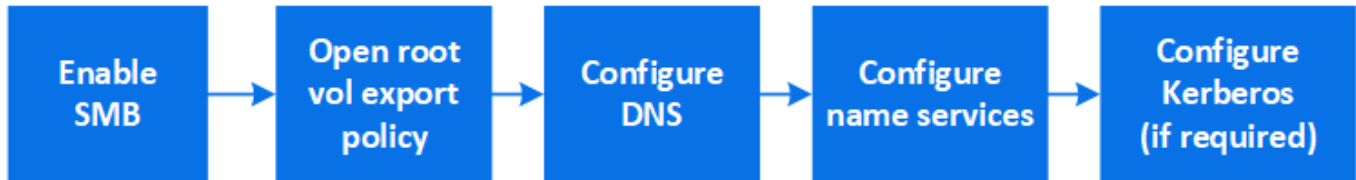
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# Enable NAS storage for Windows servers using SMB/CIFS

Modify storage VMs to enable SMB servers for serving data to Windows clients.

This procedure enables an existing storage VM. It is assumed that configuration details are available for any authentication or security services required in your environment.



## Steps

1. Enable SMB/CIFS on an existing VM: click **Storage > Storage VMs**, select a storage VM, click **Settings**, and then click  under **SMB/CIFS**.
2. Open the export policy of the storage VM root volume:
  - a. Click **Storage > Volumes**, select the root volume of the storage VM (which by default is *volume-name\_root*), and then click on the policy that is displayed under **Export Policy**.
  - b. Click **Add** to add a rule.
    - Client specification = 0.0.0.0/0
    - Access protocols = SMB/CIFS
    - Access details = NTFS Read-Only
3. Configure DNS for host-name resolution:
  - a. Click **Storage > Storage VMs**, select the storage VM, click **Settings**, and then click  under **DNS**.
  - b. Switch to the DNS server and map the SMB server.
    - Create forward (A - Address record) and reverse (PTR - Pointer record) lookup entries to map the SMB server name to the IP address of the data network interface.
    - If you use NetBIOS aliases, create an alias canonical name (CNAME resource record) lookup entry to map each alias to the IP address of the SMB server's data network interface.
4. Configure name services as required
  - a. Click **Storage > Storage VMs**, select the storage VM, click **Settings**, and then click  under **LDAP** or **NIS**.
  - b. Include any changes in the name services switch file: click  under **Name Services Switch**.
5. Configure Kerberos if required:
  - a. Click **Storage > Storage VMs**, select the storage VM, and then click **Settings**.
  - b. Click  under **Kerberos** and then click **Add**.

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