



Get started

ONTAP 9

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Network management overview

You can use the following information to perform basic storage network administration using System Manager or the CLI. You can configure physical and virtual network ports (VLANs and interface groups), create LIFs using IPv4 and IPv6, manage routing and host-resolution services in clusters, use load balancing to optimize network traffic, and monitor a cluster using SNMP.


Unless otherwise stated, the CLI procedures apply to all versions of ONTAP 9.

Beginning with ONTAP 9.8, you can use System Manager to display a graphic that shows the components and configuration of your network. Beginning with ONTAP 9.12, you can view the LIF and subnet association on the Network Interfaces grid.

However, if you are using classic System Manager (available only in ONTAP 9.7 and earlier), see this topic:

- [Managing the network](#)

The new network visualization feature enables users to see the network connections path across hosts, ports, SVMs, volumes, etc. in a graphical interface.

The graphic displays when you select **Network > Overview** or when you select  from the **Network** section of the Dashboard.


The following categories of components are shown in the graphic:

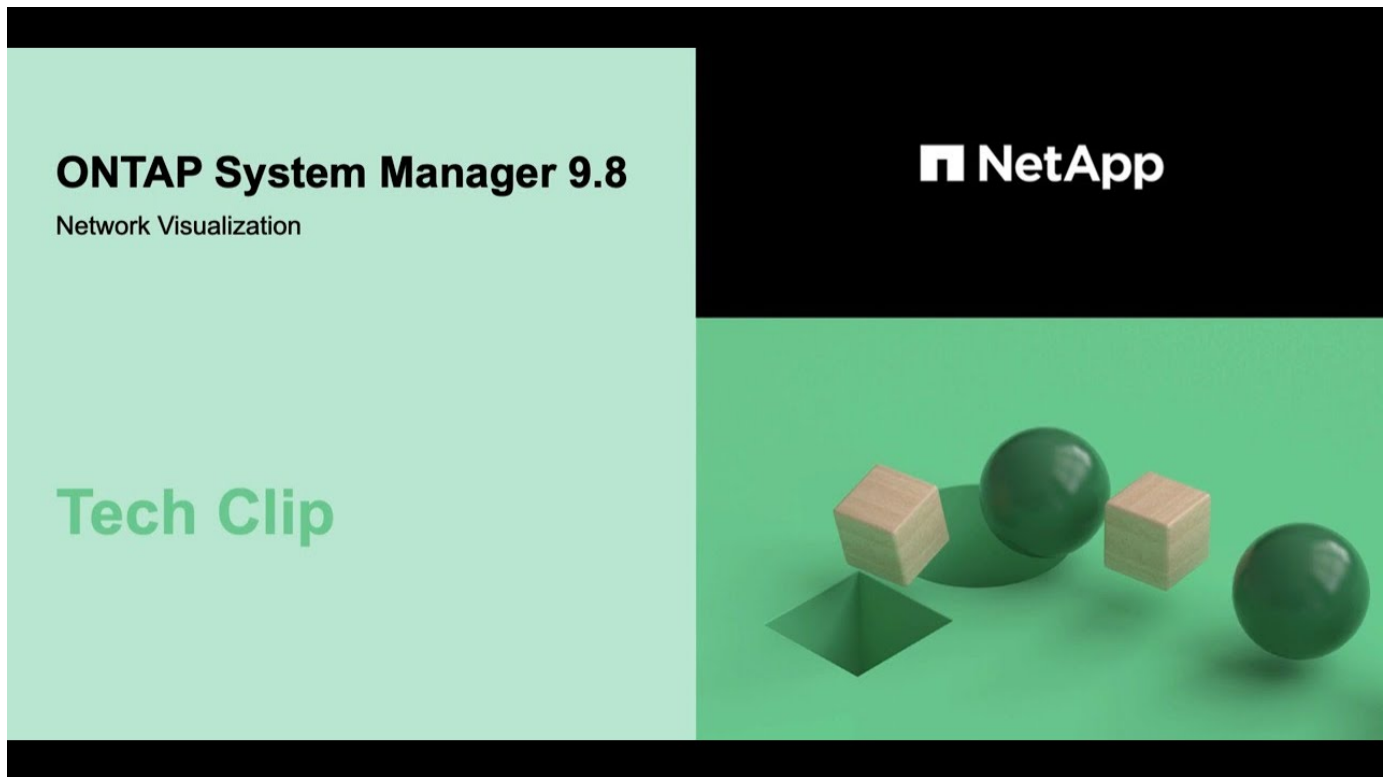
- Hosts
- Storage ports
- Network interfaces
- Storage VMs
- Data access components

Each section shows additional details that you can hover your mouse over or select to perform network management and configuration tasks.

Examples

The following are some examples of the many ways you can interact with the graphic to view details about each component or initiate actions to manage your network:

- Click on a host to see its configuration: the ports, network interfaces, storage VMs, and data access components associated with it.
- Hover the mouse over the number of volumes in a storage VM to select a volume to view its details.
- Select an iSCSI interface to view its performance over the last week.
- Click on  next to a component to initiate actions to modify that component.
- Quickly determine where problems might occur in your network, indicated by an "X" next to unhealthy components.



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