



# Networking

## ONTAP Automation

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You can use these API calls to manage the physical and logical networking resources used with the cluster.

## **Ethernet broadcast domains**

An Ethernet broadcast domain is a set of physical ports that appear to be part of the same physical network. All the ports receive a packet when broadcast from one of the ports in the domain. Each broadcast domain is part of an IPspace. This resource type was introduced with ONTAP 9.6.

## **Ethernet ports**

An Ethernet port is a physical or virtual networking endpoint. The ports can be combined into a Link Aggregate Group (LAG) or separated using a Virtual LAN (VLAN). This resource type was introduced with ONTAP 9.6 and updated with ONTAP 9.8.

## **Ethernet switch ports**

You can retrieve the port information for an Ethernet switch. This resource type is new with ONTAP 9.8.

## **Ethernet switches**

You can retrieve or modify the configuration for Ethernet switches used for the ONTAP cluster or storage network. This resource type is new with ONTAP 9.8.

## **Fibre Channel interfaces**

A Fibre Channel interface is a logical endpoint associated with an SVM. This resource type was introduced with ONTAP 9.6 and updated with ONTAP 9.8.

## **Fibre Channel ports**

A Fibre Channel port is a physical adapter on an ONTAP node used to connect to the Fibre Channel network. This resource type was introduced with ONTAP 9.6 and updated with ONTAP 9.8.

## **HTTP proxy**

You can configure an HTTP proxy for either an SVM or a cluster IPspace. This resource type was introduced with ONTAP 9.7.

## **BGP peer groups**

You can create and administer Border Gateway Protocol peer groups. This resource type was introduced with ONTAP 9.7.

## **IP interfaces**

A logical interface (LIF) is an IP address with additional configuration attributes. This resource type was introduced with ONTAP 9.6 and updated with ONTAP 9.8.

**IP routes**

A routing table is a collection of IP routes used to forward traffic to its destination. This resource type was introduced with ONTAP 9.6.

**IP service policies**

The IP service policies define the services available at a specific LIF. Service policies can be configured within the context of an SVM or IPspace. This resource type was introduced with ONTAP 9.6 and updated with ONTAP 9.8.

**IPspaces**

An IPspace creates a networking space to support one or more SVMs. The IPspaces can be isolated from each other, providing security and privacy. This resource type was introduced with ONTAP 9.6.

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