



# Ethernet ports

## System Manager Classic

NetApp

December 09, 2021

This PDF was generated from [https://docs.netapp.com/us-en/ontap-sm-classic/online-help-96-97/task\\_creating\\_interface\\_groups.html](https://docs.netapp.com/us-en/ontap-sm-classic/online-help-96-97/task_creating_interface_groups.html) on December 09, 2021. Always check docs.netapp.com for the latest.

# Table of Contents

- Ethernet ports . . . . . 1
  - Create interface groups . . . . . 1
  - Create VLAN interfaces . . . . . 1
  - Editing Ethernet port settings . . . . . 2
  - Editing interface group settings . . . . . 2
  - Modifying the MTU size of a VLAN . . . . . 2
  - Deleting VLANs . . . . . 3
- Ports and adapters . . . . . 3

# Ethernet ports

You can use System Manager to create and manage Ethernet ports.

## Related information

[Network management](#)

[ONTAP concepts](#)

## Create interface groups

You can use System Manager to create an interface group—single-mode, static multimode, or dynamic multimode (LACP)—to present a single interface to clients by combining the capabilities of the aggregated network ports.

### Before you begin

Free ports must be available that do not belong to any broadcast domain or interface group, or that host a VLAN.

### Steps

1. Click **Network > Ethernet Ports**.
2. Click **Create Interface Group**.
3. In the **Create Interface Group** dialog box, specify the following settings:
  - Name of the interface group
  - Node
  - Ports that you want to include in the interface group
  - Usage mode of the ports: single-mode, static multiple, or dynamic multimode (LACP)
  - Network load distribution: IP-based, MAC address-based, sequential, or port
  - Broadcast domain for the interface group, if required
4. Click **Create**.

## Related information

[Network window](#)

## Create VLAN interfaces

You can create a VLAN to maintain separate broadcast domains within the same network domain by using System Manager.

### Steps

1. Click **Network > Ethernet Ports**.
2. Click **Create VLAN**.
3. In the **Create VLAN** dialog box, select the node, the physical interface, and the broadcast domain (if required).

The physical interface list includes only Ethernet ports and interface groups. The list does not display interfaces that are in another interface group or an existing VLAN.

4. Type a VLAN tag, and then click **Add**.

You must add unique VLAN tags.

5. Click **Create**.

#### Related information

[Network window](#)

## Editing Ethernet port settings

You can edit Ethernet port settings such as the duplex mode and speed settings by using System Manager.

#### Steps

1. Click **Network > Ethernet Ports**.
2. Select the physical port, and then click **Edit**.
3. In the **Edit Ethernet Port** dialog box, modify the duplex mode and speed settings to either `manual` or `automatic`.
4. Click **Edit**.

## Editing interface group settings

You can use System Manager to add ports to an interface group, to remove ports from an interface group, and to modify the usage mode and load distribution pattern of the ports in an interface group.

#### About this task

You cannot modify the MTU settings of an interface group that is assigned to a broadcast domain.

#### Steps

1. Click **Network > Ethernet Ports**.
2. Select an interface group, and then click **Edit**.
3. Modify the interface group settings as required, and then click **Save and Close**.

#### Related information

[Network window](#)

## Modifying the MTU size of a VLAN

If you want to modify the MTU size of a VLAN interface that is not part of a broadcast domain, you can use System Manager to change the size.

### About this task

You must not modify the MTU size of the management port e0M.

### Steps

1. Click **Network > Ethernet Ports**.
2. Select the VLAN that you want to modify, and then click **Edit**.
3. In the **Edit VLAN** dialog box, modify the MTU size as required, and then click **Save**.

## Deleting VLANs

You can delete VLANs that are configured on network ports by using System Manager. You might have to delete a VLAN before removing a NIC from its slot. When you delete a VLAN, the VLAN is automatically removed from all of the failover rules and groups that use the VLAN.

### Before you begin

No LIFs must be associated with the VLAN.

### Steps

1. Click **Network > Ethernet Ports**.
2. Select the VLAN that you want to delete, and then click **Delete**.
3. Select the confirmation check box, and then click **Delete**.

### Related information

[Network window](#)

## Ports and adapters

Ports are grouped under nodes and the nodes are displayed based on the selected protocol category. For example, if the data is served using the FC protocol, then only the nodes with FCP adapters are displayed. The hosted interface count helps you in choosing a port which is less loaded.

## Copyright Information

Copyright © 2021 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system- without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

## Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.