



Set up the network

System Manager Classic

NetApp
January 21, 2022

Table of Contents

- Setting up the network 1
- Create IPspaces 1
- Create broadcast domains 1
- Create subnets 1

Setting up the network

Setting up the network consists of creating IPspaces, a broadcast domain, and subnets.

Create IPspaces

You can create an IPspace by using System Manager to configure a single ONTAP cluster for client access from more than one administratively separate network domain, even when the clients use the same IP address subnet range. This enables you to separate client traffic for privacy and security.

About this task

All of the IPspace names must be unique within a cluster and must not consist of names that are reserved by the system, such as “local” or “localhost.”

Steps

1. Click the **Network** tab.
2. In the **IPspaces** tab, click **Create**.
3. In the **Create IPspaces** dialog box, specify a name for the IPspace that you want to create.
4. Click **Create**.

Create broadcast domains

You can create a broadcast domain by using System Manager to provide a logical division of a computer network. In a broadcast domain, all associated nodes can be reached through broadcast at the datalink layer.

Steps

1. Click the **Network** tab.
2. In the **Broadcast Domains** tab, click **Create**.
3. In the **Create Broadcast Domain** dialog box, specify the name, MTU size, IPspace, and ports for the broadcast domain that you want to create.
4. Click **Create**.

Related information

[Network window](#)

Create subnets

You can create a subnet by using System Manager to provide a logical subdivision of an IP network to pre-allocate the IP addresses. A subnet enables you to create interfaces more easily by specifying a subnet instead of an IP address and network mask values for each new interface.

Before you begin

You must have created the broadcast domain on which the subnet is used.

About this task

If you specify a gateway when creating a subnet, a default route to the gateway is added automatically to the SVM when a LIF is created using that subnet.

Steps

1. Click the **Network** tab.
2. In the **Subnets** tab, click **Create**.
3. In the **Create Subnet** dialog box, specify subnet details, such as the name, subnet IP address or subnet mask, range of IP addresses, gateway address, and broadcast domain.

You can specify the IP addresses as a range, as comma-separated multiple addresses, or as a mix of both.

4. Click **Create**.

Related information

[Network window](#)

Copyright Information

Copyright © 2022 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.