



ONTAP 9 Networking Reference

ONTAP 9

aherbin, netapp-barbe
May 17, 2021

This PDF was generated from https://docs.netapp.com/us-en/ontap/networking/networking_reference.html on July 15, 2021. Always check docs.netapp.com for the latest.

Table of Contents

ONTAP 9 Networking Reference 1

ONTAP 9 Networking Reference

This content describes basic storage network administration. It shows you how to configure physical and virtual network ports (VLANs and interface groups), how to create LIFs using IPv4 and IPv6, how to manage routing and host-resolution services in clusters, how to use load balancing to optimize network traffic, and how to monitor a cluster using SNMP.

Unless otherwise stated, this content applies to all versions of ONTAP 9.

You should use this content under the following circumstances:

- You want to understand the range of ONTAP network management capabilities.
- You want to use the CLI, not ONTAP System Manager.

If you require additional configuration or conceptual information, you should choose among the following documentation:

- Conceptual background for network configuration
 - [ONTAP concepts](#)
- NAS file access
 - [NFS management](#)
 - [SMB/CIFS management](#)
- SAN host provisioning
 - [SAN administration](#)
- Command reference
 - [ONTAP 9 commands](#)
- Technical Reports (TRs), which include additional information about ONTAP technology and interaction with external services
 - [NetApp Technical Report 4182: Ethernet Storage Design Considerations and Best Practices for Clustered Data ONTAP Configurations](#)

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.