



Display routing information

ONTAP 9

aherbin
April 27, 2021

Table of Contents

Display routing information..... 1

Display routing information

You can display information about the routing configuration for each SVM on your cluster. This can help you diagnose routing problems involving connectivity issues between client applications or services and a LIF on a node in the cluster.

Steps

1. Use the `network route show` command to display routes within one or more SVMs. The following example shows a route configured in the vs0 SVM:

```
network route show
(network route show)
Vserver          Destination      Gateway          Metric
-----
vs0
                0.0.0.0/0      172.17.178.1    20
```

2. Use the `network route show-lifs` command to display the association of routes and LIFs within one or more SVMs.

The following example shows LIFs with routes owned by the vs0 SVM:

```
network route show-lifs
(network route show-lifs)

Vserver: vs0
Destination      Gateway          Logical Interfaces
-----
0.0.0.0/0        172.17.178.1    cluster_mgmt,
                  LIF-b-01_mgmt1,
                  LIF-b-02_mgmt1
```

3. Use the `network route active-entry show` command to display installed routes on one or more nodes, SVMs, subnets, or routes with specified destinations.

The following example shows all installed routes on a specific SVM:

```
network route active-entry show -vserver Data0

Vserver: Data0
Node: node-1
Subnet Group: 0.0.0.0/0
Destination      Gateway          Interface      Metric  Flags
-----
127.0.0.1        127.0.0.1       lo             10     UHS
```

127.0.10.1	127.0.20.1	losk	10	UHS
127.0.20.1	127.0.20.1	losk	10	UHS

Vserver: Data0

Node: node-1

Subnet Group: fd20:8b1e:b255:814e::/64

Destination	Gateway	Interface	Metric	Flags
-----	-----	-----	-----	-----
default	fd20:8b1e:b255:814e::1	e0d	20	UGS
fd20:8b1e:b255:814e::/64	link#4	e0d	0	UC

Vserver: Data0

Node: node-2

Subnet Group: 0.0.0.0/0

Destination	Gateway	Interface	Metric	Flags
-----	-----	-----	-----	-----
127.0.0.1	127.0.0.1	lo	10	UHS

Vserver: Data0

Node: node-2

Subnet Group: 0.0.0.0/0

Destination	Gateway	Interface	Metric	Flags
-----	-----	-----	-----	-----
127.0.10.1	127.0.20.1	losk	10	UHS
127.0.20.1	127.0.20.1	losk	10	UHS

Vserver: Data0

Node: node-2

Subnet Group: fd20:8b1e:b255:814e::/64

Destination	Gateway	Interface	Metric	Flags
-----	-----	-----	-----	-----
default	fd20:8b1e:b255:814e::1	e0d	20	UGS
fd20:8b1e:b255:814e::/64	link#4	e0d	0	UC
fd20:8b1e:b255:814e::1	link#4	e0d	0	UHL

11 entries were displayed.

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.