



Confirming network connectivity among the ONTAP Select nodes

ONTAP Select

David Peterson
November 24, 2019

This PDF was generated from https://docs.netapp.com/us-en/ontap-select/task_cli_connectivity.html on November 11, 2020. Always check docs.netapp.com for the latest.

Table of Contents

Confirming network connectivity among the ONTAP Select nodes 1

Confirming network connectivity among the ONTAP Select nodes

You can test the network connectivity among two or more ONTAP Select nodes on the internal cluster network. You typically run this test before a multi-node cluster is deployed to detect issues that might cause the operation to fail.

Before you begin

All the ONTAP Select nodes included in the test must be configured and powered on.

About this task

Each time you start a test, a new process run is created in the background and assigned a unique run identifier. Only one run can be active at a time.

The test has two modes that control its operation:

- Quick
This mode performs a basic non-disruptive test. A PING test is performed, along with a test of the network MTU size and the vSwitch.
- Extended
This mode performs a more comprehensive test over all the redundant network paths. If you run this on an active ONTAP Select cluster, the performance of the cluster can be impacted.



It is recommended that you always perform a quick test before creating a multi-node cluster. After the quick test completes successfully, you can optionally perform an extended test based on your production requirements.

Steps

1. Sign in to the Deploy utility CLI using the administrator account.
2. Display the current runs of the network connectivity checker and verify that no runs are active:

```
network connectivity-check show
```

3. Start the network connectivity checker and note the run identifier in the command output:

```
network connectivity-check start -host-names HOSTNAMES -vswitch-type VSWITCH_TYPE-mode MODE
```

Example

```
network connectivity-check start -host-names 10.234.81.14  
10.234.81.15 -vswitch-type StandardVSwitch -mode quick
```

4. Monitor the progress of the network connectivity checker based on the run identifier:

```
network connectivity-check show -run-id RUN_ID
```

After you finish

The network connectivity checker normally cleans up by removing any temporary ports and IP addresses added to the ONTAP-Internal port group. However, if the connectivity checker fails to remove the temporary ports, you must perform a manual cleanup operation by rerunning the CLI command with the option `-mode cleanup`. If you do not remove the temporary ports from the ONTAP-Internal port group, the ONTAP Select virtual machine may not be created successfully.

Copyright Information

Copyright © 2020 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.