



Confirming network connectivity among the ONTAP Select nodes

ONTAP Select

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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.

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