VERITAS™

Veritas NetBackup™ Flex Scale
HPE 5551 Quick Configuration Guide

REQUIRED COMPONENTS

PROVIDED COMPONENTS

Minimum nodes: 4
Maximum nodes: 16

Bezel (1 per node)

Rails (2 per node)

C15 to C14 or C13 to C14 power cords (2 per node)

SFP 28 transceivers (4 per node)

REQUIRED COMPONENTS

Ports on switch (per node)
2 private network ports
2 data network ports; eth7 is optional.
2 management network port; eth2 is optional.
1 IPMI network port (optional)

Optical cables (4 per node; eth7 is optional)

Ethernet cable (3 per node; IPMI and eth2 port are optional.)

SET UP

Computer monitor with VGA port (x1)

USB keyboard (x1)

Virtual CD-ROM device

or

USB storage drive

NetBackup
- 1 resolvable host name or FQDN and 1 public IP address for the primary server (for a new NetBackup domain deployment)
- 1 resolvable host name or FQDN and 1 public IP address for the media server on each node
- 1 resolvable host name or FQDN and 1 public IP address for the resilient MSDP engine on each node
- Passphrase for NetBackup catalog recovery

Users
- User name and password to configure as the system administrator account

NetBackup Flex Scale
- Network gateway IP address (optional) and subnet mask for the primary data network. The IP details can be the same for the primary and the management network, or different if the management network is separate.
- IP address for the management network
- IP address details for IPMI (optional)
- NTP server details
- DNS details (optional). The DNS can be the same or different for the management and the data network.
- 1 resolvable host name or FQDN and 1 public IP address for the management gateway for a new NetBackup domain deployment (includes API service endpoint)
- 1 public IP address for the NetBackup Flex Scale console

STEP 1: DOWNLOAD AND MOUNT THE PRODUCT INSTALLER ISO (OPTIONAL)
(Can be performed in parallel on all the nodes)

1.1
Log in to the Veritas Entitlement Management System website (https://vam.veritas.com/) to download the ISO image located under NetBackup Flex Scale.

1.2
Verify the data integrity of the file using the MD5 hash value:
```
>> md5sum filename.iso
>> hash_value filename.iso
```
Make a note of the hash value and match it with the value published on the website from where you downloaded the file.

1.3
Use the hardware remote management console to connect the ISO to one of the nodes, and then mount the ISO using a virtual CD-ROM device or a USB storage drive.

1.4

Power on the node and on the boot screen press **F11** to load the boot menu.

1.5

```
Veritas Optimized Operating System

Boot from local drive
Install Veritas Optimized Operating System
Rescue a Red Hat Enterprise Linux system

Press Tab for full configuration options on menu items.
```
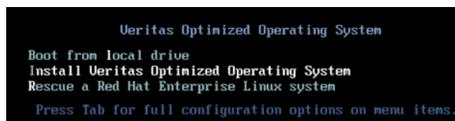
Use the arrow buttons to select a virtual CD-ROM or a USB storage drive that contains the NetBackup Flex Scale installer ISO.

1.6
Press the **Enter** key. The node restarts and automatically boots using the ISO file.

1.7
On the installation options screen, use the arrow keys on your keyboard to select the Install Veritas Optimized Operating System option.
```
> Install Veritas Optimized Operating
System
```

1.8

```
*****************************************
*Welcome to NetBackup Flex Scale - X.X *
*****************************************
Installation status: Completed
```
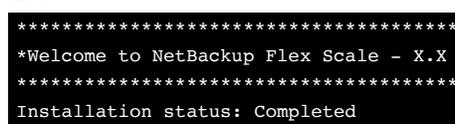
After the installation is complete, a message confirms that the installation has completed successfully.

1.9
Repeat steps 1.1 to 1.8 to install NetBackup Flex Scale on all the nodes.

STEP 2: ASSIGN A PUBLIC IP ADDRESS TO NETWORK ADAPTER ETH1 OF A NODE OR A BONDED DEVICE (ETH1 AND ETH2)

2.1

From the system console, log on to one of the nodes using the default admin user account.

```
nbfs-appliance login: admin
Password:P@ssw0rd
```

2.2

Configure a public IP address for the eth1 network interface:
```
set network interface gateway ip netmask
```
(example: `set network interface gateway=10.100.10.1 ip=10.100.10.100 netmask=255.255.0.1`)

2.3

Ensure that the following message is displayed:
```
SUCCESS: Device configured successfully!
```

2.4

If the software shipped with Flex Scale nodes requires EEBs, make sure that the EEBs are installed before proceeding to **Step#3**. Please check the product install guide for instructions about EEB installation.

2.5

If new firmware version is available, upgrade the firmware on the nodes. Please check the product install guide for instructions about firmware upgrade.

STEP 3: CONFIGURE NETBACKUP FLEX SCALE

3.1

`←  →  C   🔒 https://nodepublicIP:8443`

Connect to a NetBackup Flex Scale node from a web browser. Use the IP assigned to the eth1 management interface, and enter the following URL in the address bar:
```
https://nodepublicIP:8443
```

3.2

Sign in to the node using the root user credentials. Enter the following user credentials:
User name: `root`
Password: `P@ssw0rd`

3.3

On the Cluster setup panel, you are presented with a set of configuration options. To configure the cluster, you must click through each option and provide the required configuration inputs. To begin, in the Select nodes box, click **Start**.

3.4

Complete the following steps to configure the cluster:

- Select nodes
- Configure networks
- Configure cluster
- Add administrators
- Configure AutoSupport (optional)
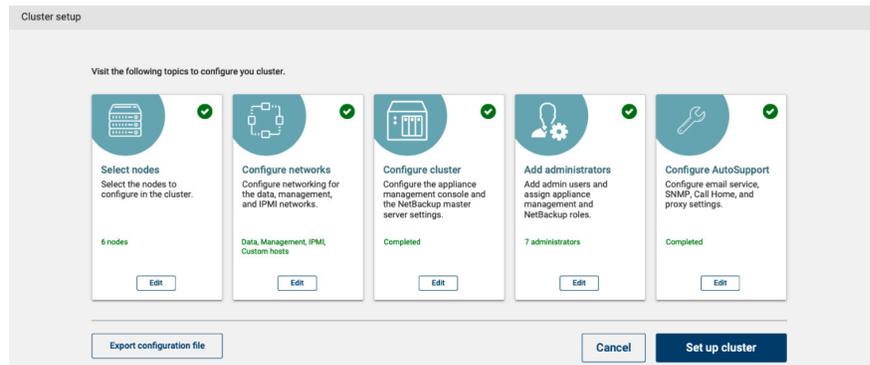
STEP 4: FOR A NEW NETBACKUP DOMAIN DEPLOYMENT

Use an admin account that you just created to sign in to the NetBackup web UI (https://ManagementServerIPorFQDN) where ManagementServerIPorFQDN is the public IP address or the corresponding FQDN that you specified for the NetBackup Flex Scale management server and API gateway during the cluster configuration.

To view the details about the cluster, nodes, storage and services, in the left panel click Cluster dashboard under Cluster Management > Infrastructure

You can also use the NetBackup Flex Scale infrastructure management console (https://ManagementServerIPorFQDN:14161) to view these details.
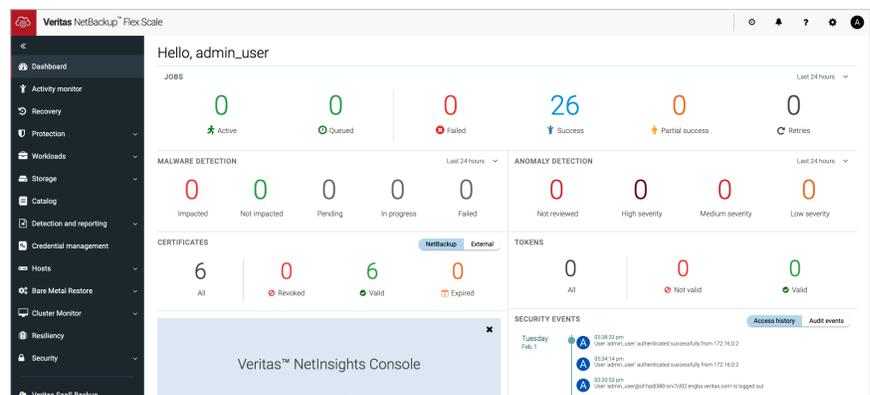
STEP 5: FOR A MEDIA SERVER ONLY DEPLOYMENT

Use a user account with an Appliance Administrator role to sign in to the NetBackup Flex Scale infrastructure management UI (https://console_ip:14161) where console_ip is the public IPv4 or IPv6 address that you specified during the cluster configuration.

To view the details about the cluster, nodes, storage, and services, in the left panel click Dashboard.