Hewlett Packard Enterprise



Nimble HF40 deployment and configuration



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I. INTRODUCTION

Nimble Storage is built on the unique Cache Accelerated Sequential Layout (CASL) Architecture; a CPU-driven storage architecture capable of optimizing performance and increasing usable capacity through dynamic caching, sequential data layout and inline compression. Nimble devices are renowned for the simplicity of their setup and administration,

This report presents the different steps of installation and configuration of the Nimble Storage:

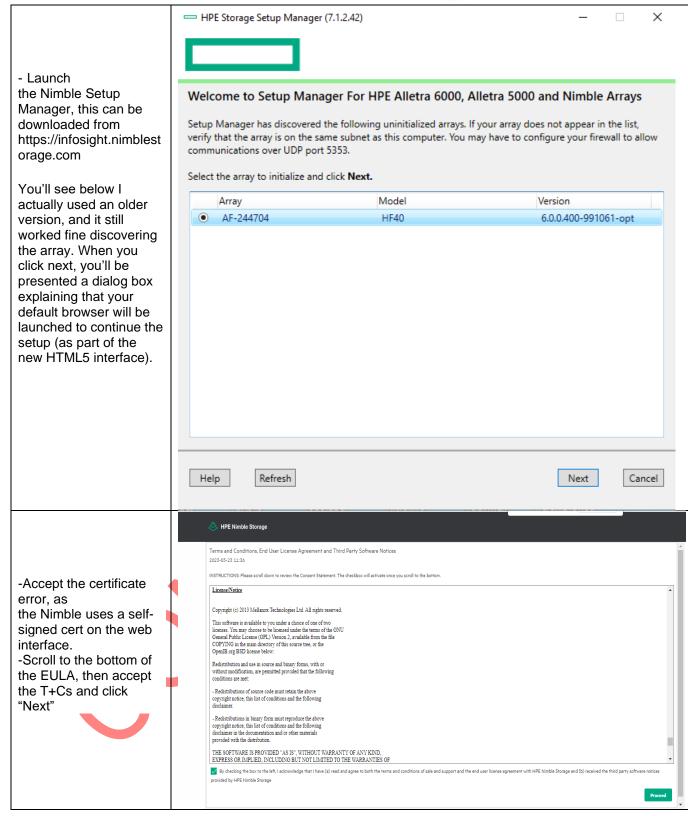
- * Initialize and configure the HPE Nimble Storage
- * Create and mapping Virtual Volumes
- * Mounting database under VMware

II. Initialize and configure the HPE Nimble Storage

There are two methods to apply a management IP address to the new array; using the GUI from a Windows machine on the same subnet, or directly using the CLI. To use the GUI, download the latest version of Windows Toolkit from InfoSight, which includes Nimble Setup Manager.











HPE Nimble Storage -Choose your setup method; AF-244704 Either a new device from scratch, 6.0.0.400-991061-opt Set up this array but do not join a group and Select an action below and click Next. click next Set up this array but do not join a group O Add this array to an existing group To create a NEW group with the array shown below as the only member, con Group under the Administration menu -Enter the following Array Serial Number AF-244704 basic settings: Array Name **Group Name** IP address, Subnet, GRTUNNIMBLE01 Default Gateway, Domain Name Admin password for Initial management settings need to be done with interface eth1 connected. The management settings you specify below will be configured on eth1. Additional IPs and their respective interfaces will be configured later default account "admin" Netmask *

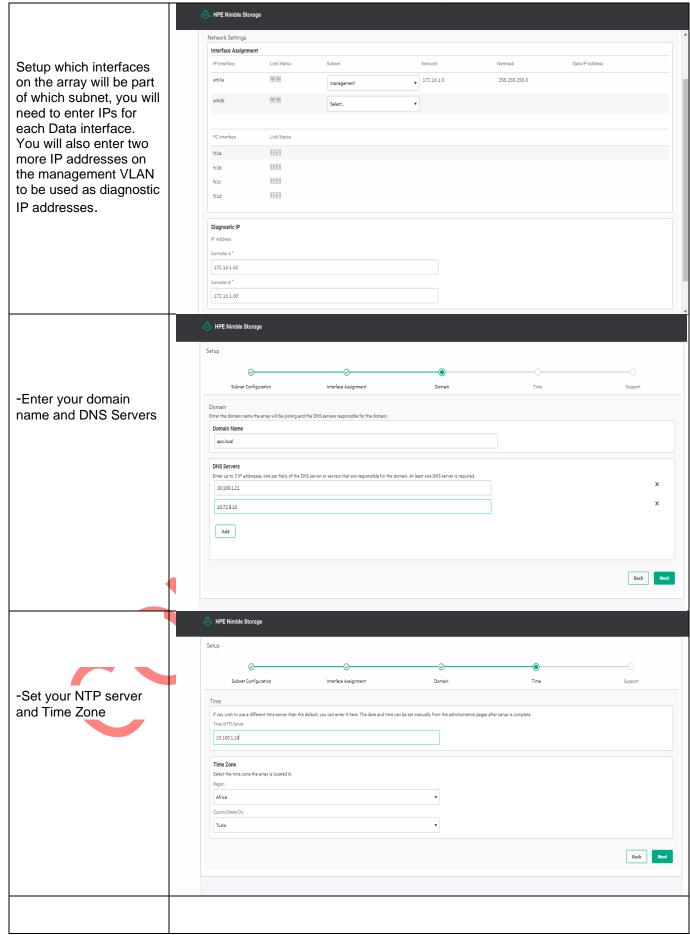




→ C A Not secure | 10.101.11.129/#/login -Login using the password configured earlier, you'll notice that the username is grayed out and cannot be changed yet. This is because the setup of the array is not yet completed. **HPE Nimble Storage** Hewlett Packard Enterprise **HPE Nimble Storage** Subnet Configuration **1** -Setup your subnets, in this example, we have Used for the Web UI, CLI and replication. Resides on management subnet and floats across all "Mgmt only" and "Mgmt + Data" interfaces on that subnet. one management IP Address network, which is 172.16.1.60 172.16.1.0 255.255.255.0 already configured, and 172.16.1. a second subnet which will be used for the Subnet Subnet Label Traffic Type **1** MTU iSCSI traffic. (If you 172.16.1.0 255.255.255.0 management have an FC array, then there will be no subnets Add to setup for the FC traffic) Subnet Configuration 🚯 Management IP 172.16.1.61 Subnet 255.255.255.0 172.16.1.0 ▼ Standard Add



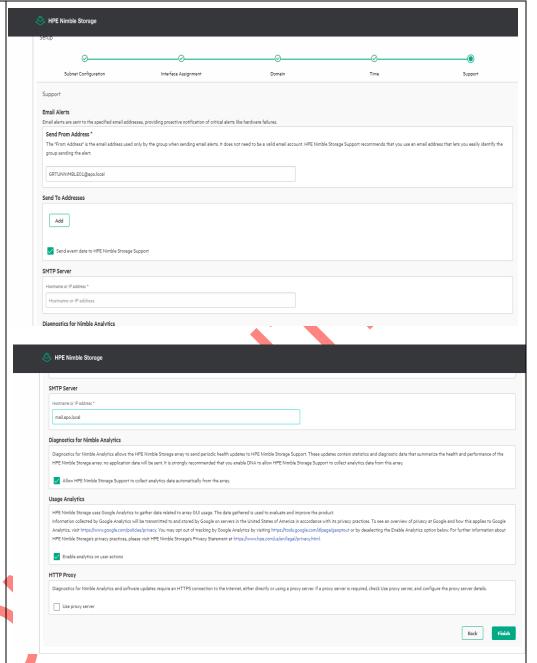




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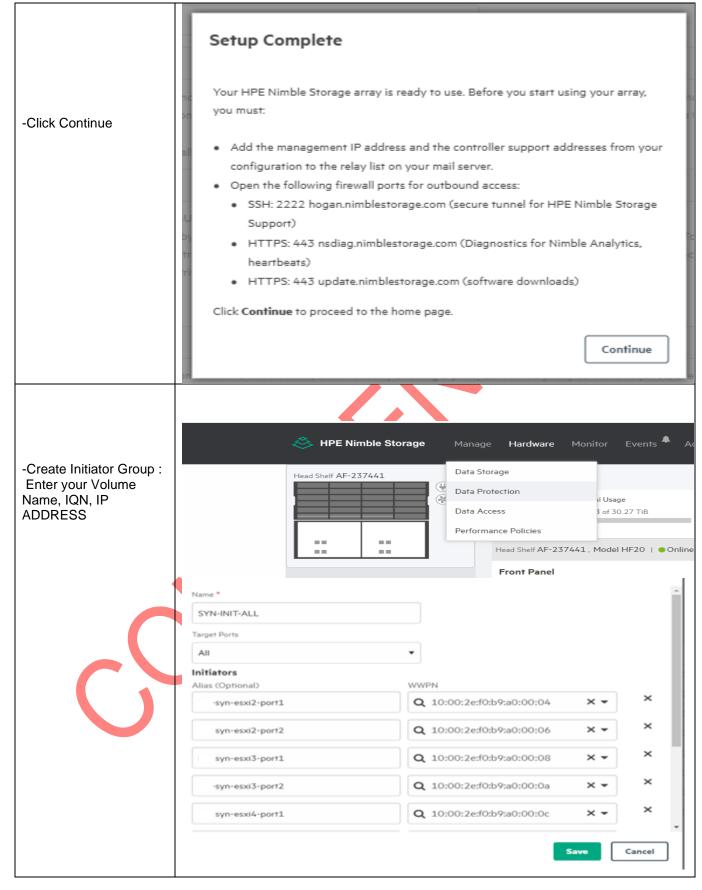


-One the final page, setup the Email alert settings, connection to Nimble Cloud Analytics, and proxy server if needed. Clicking finish will submit the settings to the array to finish the setup. Finally you will be given a reminder of the firewall settings to configure, and clicking continue on this dialog message will take you to the login page again for your Nimble.



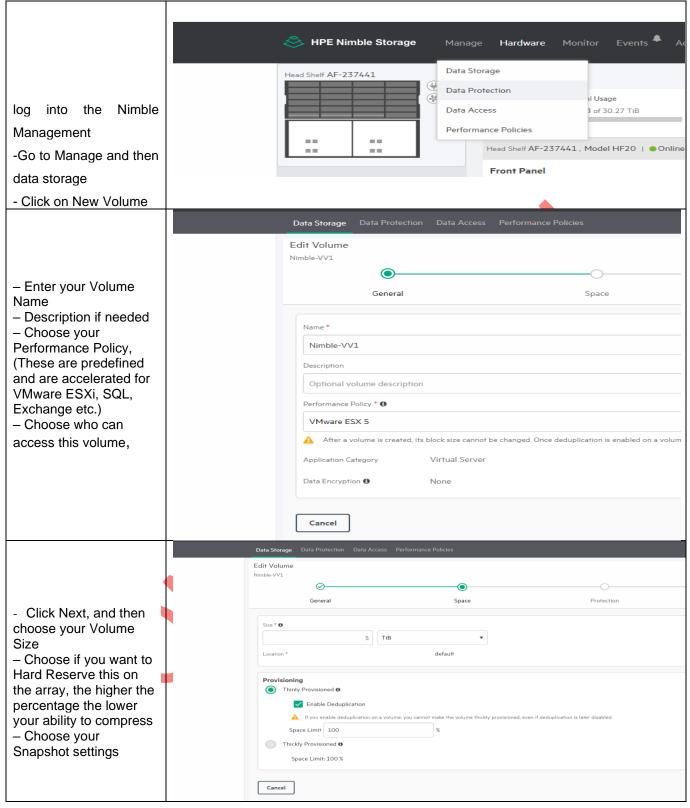






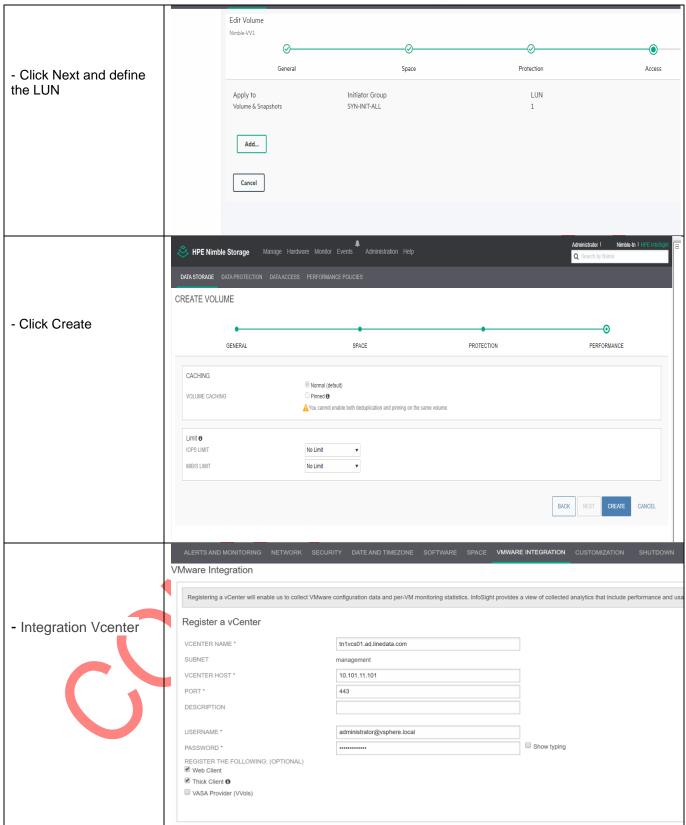
















III. Conclusion:

Nimble arrays come configured with triple parity RAID as standard, which offers greater protection of data in the event of a drive failure, without impacting performance or overall capacity of the array. Furthermore should a drive fail then the rebuild process is significantly quicker since it only rebuilds the individual compressed blocks in use.

In order to ensure the proper functioning of the storage solution, a weekly monitoring of the logs events is highly recommended.

