



Worksheet: Information to collect before and during controller upgrade

AFF and FAS Controller Upgrade

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Table of Contents

Worksheet: Information to collect before and during controller upgrade. 1

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You must gather certain information to successfully upgrade the original nodes. The information includes node IDs, port and LIF details, licensing keys, and IP addresses.

You can use the following worksheet to record information for use later in the procedure:

Information needed	When collected	When used	Collected Information
Model, system ID, serial number of original nodes	Stage 1: <i>Prepare the nodes for the upgrade</i>	Stage 3: <i>Install and boot node3</i> Stage 5: <i>Install and boot node4</i> Stage 6: <i>Decommission the old system</i>	
Shelf and disk information, flash storage details, memory, NVRAM, and adapter cards on original nodes	Stage 1: <i>Preparing the nodes for the upgrade</i>	Throughout the procedure	
Online aggregates and volumes on original nodes	Stage 1: <i>Prepare the nodes for the upgrade</i>	Throughout the procedure to verify that aggregates and volumes remain online except during brief relocation	
Output of commands <code>network port vlan show</code> and <code>network port ifgrp show</code>	Stage 1: <i>Prepare the nodes for the upgrade</i>	Stage 3: <i>Map ports from node1 to node3</i> Stage 5: <i>Map ports from node2 to node4</i>	
(SAN environments only) Default configuration of FC ports	Stage 1: <i>Prepare the nodes for the upgrade</i>	When configuring FC ports on the new nodes	
(V-Series systems or systems with FlexArray Virtualization software only) Topology for V-Series systems or systems with FlexArray Virtualization software	Stage 1: <i>Prepare the nodes for the upgrade</i>	Stage 3: <i>Install and boot node3</i> Stage 5: <i>Install and boot node4</i>	
IP address of SPs	Stage 1: <i>Prepare the nodes for the upgrade</i>	Stage 6: <i>Ensure that the new controllers are set up correctly</i>	

Information needed	When collected	When used	Collected Information
License keys	Stage 1: <i>Prepare the nodes for the upgrade</i>	Stage 6: <i>Ensure that the new controllers are set up correctly</i>	
IP address for the external key management server	Stage 1: <i>Rekey disks for Storage Encryption</i>	Stage 6: <i>Set up Storage Encryption on the new nodes</i>	
Name and path of web-accessible directory where you download files to netboot the nodes	Stage 1: <i>Prepare to netboot</i>	Stage 3: <i>Install and boot node3</i> Stage 5: <i>Install and boot node4</i>	
Non-SAN data LIFs owned by node1	Stage 2: <i>Move nonSAN data LIFs owned by node1 to node2</i>	Later in the section	
Cluster, intercluster, node-management, cluster-management, and physical ports	Stage 2: <i>Record node1 information</i>	Stage 3: <i>Install and boot node3</i> Stage 3: <i>Map ports from node1 to node3</i>	
Ports on new nodes	Stage 3: <i>Map ports from node1 to node3</i>	Later in the section and in the section <i>Map ports from node2 to node4</i>	
Available ports and broadcast domains on node3	Stage 3: <i>Map ports from node1 to node3</i>	Later in the section	
Non-SAN data LIFs not owned by node2	<i>Moving non-SAN data LIFs belonging to node1 from node2 to node3 and verifying SAN LIFs on node3</i>	Later in the section	
Non-SAN data LIFs owned by node2	Stage 3: <i>Move nonSAN data LIFs owned by node2 to node3</i>	Later in the section	
Cluster, intercluster, node-management, cluster-management, and physical ports	Stage 4: <i>Record node2 information</i>	Stage 5: <i>Install and booting node4</i> Stage 5: <i>Map ports from node2 to node4</i>	
Cluster network ports on node4	Stage 5: <i>Map ports from node2 to node4</i>	Later in the section	
Available ports and broadcast domains on node4	Stage 5: <i>Map ports from node2 to node4</i>	Later in the section	

Information needed	When collected	When used	Collected Information
Private and public SSL certificates for the storage system and private SSL certificates for each key management server	Stage 6: <i>Set up Storage Encryption on the new nodes</i>	Later in the section	

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