



**Hewlett Packard
Enterprise**

HPE OneView and VCenter integration Screenshots

Marcus Burrows
Atrium Consulting
May 2019

Host details – Hardware Overview

The screenshot displays the vSphere Client interface. The top navigation bar includes the VMware logo, 'vSphere Client', a 'Menu' dropdown, a search bar, a refresh icon, a help icon, and the user 'ITAdmin@vmware.hpecic.net'. The left sidebar shows a tree view of the environment, with '10.6.32.123' selected under 'Synergy cluster firmw...'. The main content area is titled '10.6.32.123' and has a 'Monitor' tab selected. The 'Monitor' tab contains a navigation menu with 'Issues and Alarms', 'Performance', and 'Tasks and Events'. The 'Performance' section is expanded, and 'HPE Server Hardware' is selected. The 'Hardware Overview' section shows a table of host details for 'Pod2_Rack15_Frame2, bay 3'. The table includes fields for State, Server Profile, Server power, Model, Product ID, Serial number, License, iLO, and Location. The 'Hewlett Packard Enterprise' logo is visible in the top right of the hardware section.

Pod2_Rack15_Frame2, bay 3	
State	Profile Applied
Server Profile	Synergy cluster firmware demo1
Server power	On
Model	Synergy 480 Gen9
Product ID	732350-B21
Serial number	CZ3704C9SB
License	NotApplicable
iLO	ILOCZ3704C9SB 10.6.25.109
Location	Pod2_Rack15_Frame2, Bay 3

Host details - Firmware

The screenshot displays the VMware vSphere Client interface. The top navigation bar includes the VMware logo, 'vSphere Client', a search bar, and the user 'ITAdmin@vmware.hpecic.net'. The left sidebar shows a tree view of the environment, with '10.6.32.123' selected and circled in red. The main content area shows the host details for '10.6.32.123', with the 'Monitor' tab selected and circled in red. The 'HPE Server Hardware' category in the left sidebar is also circled in red. The 'Firmware' section is expanded, showing a table of installed components. The 'Firmware' dropdown menu is circled in red.

Component	Installed
Agentless Management Service for ESXi 6.5	650.10.6.0-24.4240417
FC Driver for HPE Synergy 3820C 10/20Gb Converged Network Adapt	v1.713.30.v60.5
FC Driver for HPE Synergy 3830C 16G Fibre Channel Host Bus Adap	v.2.1.50.0
HPE Channel Interface Kernel Module for vSphere ESXi 6.5	650.10.0.2-2.4240417
HPE Configuration Utility CONREP for ESXi 6.0	6.0.0.01-02.00.1.2494585
HPE CRU Kernel Module for vSphere ESXi 6.5	650.6.5.8.24-1.4240417
HPE Custom Image Build Information for ESXi 6.5.0	650.9.6.5.27-4240417
HPE Dynamic Smart Array Driver	5.5.0.102-10EM.550.0.0.1331820
HPE Dynamic Smart Array Driver	5.5.0.54-10EM.550.0.0.1331820

Host detail - Ports

The screenshot shows the vSphere Client interface. The top navigation bar includes the VMware logo, 'vSphere Client', a search bar, and the user 'ITAdmin@vmware.hpecic.net'. The left sidebar shows a tree view of the environment, with '10.6.32.123' selected and circled in red. The main content area is titled '10.6.32.123' and has a 'Monitor' tab selected, also circled in red. Below the tabs, there are sections for 'Issues and Alarms', 'Performance', 'Tasks and Events', 'Hardware Health', and 'HPE Storage'. The 'HPE Server Hardware' section is circled in red. The 'Network Ports' section is expanded, showing a table of network ports. A dropdown menu for 'Ports' is circled in red, and a 'Hewlett Packard Enterprise' logo is visible in the top right of the network ports section.

Pod2_Rack15_Frame2, bay 3 **Ports** ? **Hewlett Packard Enterprise**

Network Ports

Physical Adapter	VM Adapter	Network	Virtual Switch	Link (Gbps)	Interconnect	Address
Mezz 3:1-a	vmnic0	ISCSI_Streamer	vSwitch0	2.5	Pod2_Rack15_Frame1, interconnect 3	F2:3:...
Mezz 3:1-c	vmnic4	ESXi_Management	vSwitch1	2.5	Pod2_Rack15_Frame1, interconnect 3	F2:3:...
Mezz 3:1-d	vmnic6	VMware_Cloud_Foundation_VM_Uplink_P2R15		2.5	Pod2_Rack15_Frame1, interconnect 3	F2:3:...
Mezz 3:2-a	vmnic1	ISCSI_Streamer	vSwitch0	2.5	Pod2_Rack15_Frame2, interconnect 6	F2:3:...

iLO OV

Host details - Hardware

vm vSphere Client | Menu | Search | ITAdmin@vmware.hpecic.net

vcfmanager.vmware.hpecic... | 10.6.32.123 | ACTIONS

Summary **Monitor** Configure Permissions VMs Datastores Networks More Objects

Issues and Alarms
All Issues
Triggered Alarms
Alarm Definitions

Performance
Overview
Advanced

Tasks and Events
Tasks
Events
Scheduled Tasks
Hardware Health
HPE Storage
HPE Server Hardware

Pod2_Rack15_Frame2, bay 3 | Hardware | ? | Hewlett Packard Enterprise

Hardware

State	Profile Applied
Server Profile	Synergy cluster firmware demo1
Server profile consistency	VMware cluster firmware demo template
Server power	On
Model	Synergy 480 Gen9
Product ID	732350-B21
Serial number	CZ3704C9SB
License	NotApplicable
UUID	33323337-3035-5A43-3337-303443395342
Virtual UUID	23dd3755-3dae-46a2-9c40-66fa117f3152
Host name	ILOCZ3704C9SB

iLO OV

Recent Tasks | Alarms

Host details – Network Diagram 1

The screenshot displays the vSphere Client interface for host 10.6.32.123. The top navigation bar includes the VMware logo, 'vSphere Client', a search bar, and the user 'ITAdmin@vmware.hpecic.net'. The left sidebar shows a tree view of the environment, with '10.6.32.123' selected and circled in red. The main content area is divided into a left-hand navigation pane and a right-hand main pane. The left pane has the 'Monitor' tab selected and circled in red. The main pane shows the host's status as 'Pod2_Rack15_Frame2, bay 3' with a 'Network Diagram' dropdown menu also circled in red. Below this, the 'Composable Network Diagram' is displayed, showing two vSwitches (vSwitch0 and vSwitch1) connected to physical adapters (vmnic0, vmnic1, and vmnic4). The diagram also shows connections to various network and VLAN configurations on the right side, including 'ESXi_Management Vlan ID', 'ESXi_VM_NET_1033 Vlan', 'ESXi_VM_NET_1034 Vlan', 'ISCSI_Streamer Vlan ID: 39', and 'SAN_SynergyDemo_FabA'. The bottom of the interface shows 'Recent Tasks' and 'Alarms' sections.

Host details – Network Diagram 2

The screenshot displays the vSphere Client interface for host 10.6.32.123. The interface includes a top navigation bar with the VMware logo, search, and user information. The left sidebar shows a tree view of the environment, with the host 10.6.32.123 selected and circled in red. The main content area is divided into a left-hand navigation pane and a right-hand main view. The navigation pane has the 'Monitor' tab selected and circled in red. The main view shows the 'Network Diagram' for 'Pod2_Rack15_Frame2, bay 3', which is also circled in red. The diagram illustrates the network connections between the host's network interfaces (Q1, Q2, Q4:1, Q5:1, Q6:1) and various network components, including HPE Comware Platform Software switches and a Storage Switch. The host's IP address 10.6.32.123 is highlighted in the left sidebar, and the 'Monitor' tab and 'Network Diagram' view are also circled in red.

vm vSphere Client | Menu | Search | ITAdmin@vmware.hpecic.net

vcfmanager.vmware.hpecic...
CloudFoundation
HPE OneView for vCe...
HPE Synergy - NVIDI...
HPE Synergy - NVIDI...
HPE_Synergy_
Synergy cluster firmw...
10.6.32.123
10.6.32.124 (Not res...
Vmware

Summary **Monitor** Configure Permissions VMs Datastores Networks More Objects

Pod2_Rack15_Frame2, bay 3 **Network Diagram** ? Hewlett Packard Enterprise

40Gb F8 Module for Synergy in Pod2_Rack15_Frame1 bay 3

ement Vlan ID: 1032
ET_1033 Vlan ID: 1033
ET_1034 Vlan ID: 1034
mer Vlan ID: 3966
yDemo_FabA

Q1
Q2
Q4:1
Q5:1
Q6:1

HPE Comware Platform Software
HPE Comware Platform Software
5c:8a:38:b7:9e:9b
{"SN": "CZ3704C9S0"
{"SN": "CZ3704C9S0"
02:fe:80:00:00:00:00:00:fd:90:ba:5b:15:98:9a
{"SN": "CZ3704C9PL"
{"SN": "CZ3704C9PL"
02:fe:80:00:00:00:00:00:00:3a:df:64:e9:ce:20:b2
Storage Switch
WWAN: 10:00:50:eb:1e:25:41:4e

iLO OV

Recent Tasks Alarms

Host details – Remote Support

The screenshot displays the vSphere Client interface. The top navigation bar includes the VMware logo, 'vSphere Client', a 'Menu' dropdown, a search bar, a refresh icon, a help icon, and the user 'ITAdmin@vmware.hpecic.net'. The left sidebar shows a tree view of the environment, with '10.6.32.123' selected under 'Synergy cluster firmw...'. The main content area shows the host details for '10.6.32.123'. The 'Monitor' tab is selected, and the 'HPE Server Hardware' sub-tab is active. The 'Remote Support' status is shown as 'Enabled' for 'Pod2_Rack15_Frame2, bay 3'. A dropdown menu is open, showing 'Remote Support' as the selected option. The 'Remote Support' configuration table is displayed below.

Property	Value
State	Enabled
Support level	Warranty
Support identifier	none
Expiration	3/2/20 12:00:00 AM
Coverage days	5 days per week
Coverage hours	Standard office hours Monday to Friday
Holiday coverage	none
Response days	5 days per week
Response hours	Next coverage day Monday to Friday
Response on holidays	none

At the bottom of the page, there are links for 'Recent Tasks' and 'Alarms', and a small 'iLO OV' logo.

Host details – OneView Server Hardware

The screenshot displays the vSphere Client interface for host 10.6.32.123. The left sidebar shows the navigation tree with 'HPE Server Hardware' selected under the host. The main content area shows the 'Monitor' tab, which includes a 'Remote Support' section. This section displays the support status for 'Pod2_Rack15_Frame2, bay 3', which is 'Enabled' with a 'Warranty' support level. The support details include an expiration date of 3/2/20 12:00:00 AM, coverage days of 5 days per week, and standard office hours Monday to Friday. A 'Server Hardware' tooltip is visible at the bottom of the page.

vm vSphere Client | Menu | Search | ITAdmin@vmware.hpecic.net

10.6.32.123 | ACTIONS

Summary **Monitor** Configure Permissions VMs Datastores Networks More Objects

Issues and Alarms
All Issues
Triggered Alarms
Alarm Definitions

Performance
Overview
Advanced

Tasks and Events
Tasks
Events
Scheduled Tasks
Hardware Health
HPE Storage
HPE Server Hardware

Pod2_Rack15_Frame2, bay 3 | Remote Support | ? | Hewlett Packard Enterprise

Remote Support

State	Enabled
Support level	Warranty
Support identifier	none
Expiration	3/2/20 12:00:00 AM
Coverage days	5 days per week
Coverage hours	Standard office hours Monday to Friday
Holiday coverage	none
Response days	5 days per week
Response hours	Next coverage day Monday to Friday
Response on holidays	none

ilo Ov | Server Hardware

Recent Tasks | Alarms

Host details – OneView Profile Consistency 1

The screenshot displays the vSphere Client interface. The top navigation bar includes the 'vm' logo, 'vSphere Client', a 'Menu' dropdown, a search bar, a refresh icon, a help icon, and the user 'ITAdmin@vmware.hpecic.net'. The left sidebar shows a tree view of the environment, with '10.6.32.123' selected and circled in red. The main content area is divided into tabs: 'Summary', 'Monitor', 'Configure' (circled in red), 'Permissions', 'VMs', 'Datastores', 'Networks', and 'More Objects'. The 'Configure' tab is active, showing a 'Consistency' section for the host 'Pod2_Rack15_Frame2, bay 3'. This section lists two items: 'Server Profile Template' (VMware cluster firmware demo template) and 'Server Profile' (Synergy cluster firmware demo1). A red 'X' icon indicates a mismatch between the Server Profile and the Server Profile Template. Below this, 'Host Network Configuration' is shown as matched with the Server Profile, indicated by a green checkmark and a green equals sign. At the bottom of the host details, 'iLO' and 'OV' icons are visible. The bottom of the interface shows 'Recent Tasks' and 'Alarms' sections.

Host details – OneView Profile Consistency 2

The screenshot displays the vSphere Client interface for a host with IP 10.6.32.123. The 'Configure' tab is selected and circled in red. The left sidebar shows a tree view with '10.6.32.123' highlighted in red. The main content area shows the host's configuration details, including a warning icon for the host, a 'Host Network Configuration' section with a green checkmark, and a 'Recommended Actions' section with a gear icon. The 'Server Profile' section lists two actions: 'Change firmware baseline to HPE Synergy Custom SPP 2018 11 2018 12 05, 2018.12.05.00.' and 'Select the firmware force install option.' The bottom of the interface shows 'Recent Tasks' and 'Alarms' tabs.

vm vSphere Client | Menu | Search | ITAdmin@vmware.hpecic.net

10.6.32.123 | ACTIONS

Summary Monitor **Configure** Permissions VMs Datastores Networks More Objects

Storage

- Storage Adapters
- Storage Devices
- Host Cache Configur.
- Protocol Endpoints
- I/O Filters

Networking

- Virtual switches
- VMkernel adapters
- Physical adapters
- TCP/IP configuration

Virtual Machines

- VM Startup/Shutdo...
- Agent VM Settings
- Default VM Compati..
- Swap File Location

System

- Host Profile

Pod2_Rack15_Frame2, bay 3 | ?

Host Network Configuration matched with Server Profile

Host Network Configuration | Server Profile

Recommended Actions

Server Profile

- Change firmware baseline to HPE Synergy Custom SPP 2018 11 2018 12 05, 2018.12.05.00.
- Select the firmware force install option.

Recent Tasks | Alarms

Rack details - Summary


vm vSphere Client Menu ▾ Search ? ▾ ITAdmin@vmware.hpecic.net ▾ ☺

Pod2_Rack15_Frame2

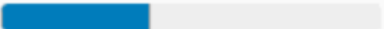
Clusters 1
Hosts 2


Pod2_Rack15_Frame2 ACTIONS ▾

Summary Monitor More Objects



✓ Pod2_Rack15_Frame2

Name: Pod2_Rack15_Frame2 **Power:**  1.1kW of 2.9kW

Rack: Rack15 **Temperature:**  70 °F 21 °C

Model: Synergy 12000 Frame

UUID: 797740CZ3704C9PL

Serial Number: CZ3704C9PL

VMware Hosts: 2

Empty Bays: 4

Hewlett Packard Enterprise

▼ Devices

Bay	Name	Status
1	Unmanaged	● Ok
2	Unmanaged	● Ok

▼ Fans

Bay	Model	Status
1	Synergy Fan Module	● Ok
2	Synergy Fan Module	● Ok

Recent Tasks Alarms ⬆

Rack details - General

The screenshot shows the vSphere Client interface. The top navigation bar includes the VMware logo, 'vSphere Client', a 'Menu' dropdown, a search bar, a refresh icon, a help icon, and the user 'ITAdmin@vmware.hpecic.net'. The left sidebar shows a tree view with 'Pod2_Rack15_Frame2' selected, containing 'Clusters' (1) and 'Hosts' (2). The main content area displays the details for 'Pod2_Rack15_Frame2'. The 'Monitor' tab is selected and circled in red. Below the tabs, the 'General' tab is selected and circled in red, with a help icon '?' also circled. The 'Hewlett Packard Enterprise' logo is visible in the top right of the details pane. The 'General' section contains the following information:

General	
Name	Pod2_Rack15_Frame2
State	Configured
Model	Synergy 12000 Frame
Server Licensing Policy	Not Applicable
Rack	Rack15
Logical Enclosure	Pod2_Rack15_LE
UUID	797740CZ3704C9PL
Serial Number	CZ3704C9PL
VMware Hosts	2
Empty Bays	4

At the bottom left of the details pane, the 'OV' logo is visible.

Rack details - Hardware

The screenshot shows the vSphere Client interface. The top navigation bar includes the 'vm' logo, 'vSphere Client', a 'Menu' dropdown, a search bar, a refresh icon, a help icon, and the user 'ITAdmin@vmware.hpecic.net'. The left sidebar shows a tree view with 'Pod2_Rack15_Frame2' selected, and sub-items 'Clusters' (1) and 'Hosts' (2). The main content area displays the details for 'Pod2_Rack15_Frame2'. The 'Monitor' tab is selected and circled in red. Below the tabs, a header bar shows 'Pod2_Rack15_Frame2' with a 'Hardware' dropdown menu and a help icon, both circled in red. The 'Hardware' section contains a table with the following data:

Hardware	
Location	Not Configured
Serial Number	CZ3704C9PL
Part Number	797740-B21
Maximum Power	2926 Watts
Powered by	none

At the bottom left of the main content area, there is an 'OV' logo. The bottom status bar contains 'Recent Tasks', 'Alarms', and an upward arrow icon.

Rack details - Firmware

vm vSphere Client | Menu | Search | ITAdmin@vmware.hpecic.net

Pod2_Rack15_Frame2 | ACTIONS

Summary **Monitor** More Objects

Pod2_Rack15_Frame2 | Firmware | ?

Hewlett Packard Enterprise

Firmware

Name	Component	Installed
Pod2_Rack15_Frame2, Synergy Frame Link Module 1	Synergy Frame Link Module	2.04.00
Pod2_Rack15_Frame2, Synergy Frame Link Module 2	Synergy Frame Link Module	2.04.00
Pod2_Rack15_Frame2, bay 1	iLO4	2.60 May 23 2018
	ROM	I37 v2.60 (05/21/2018)
Pod2_Rack15_Frame2, bay 2	iLO4	2.61 Jul 27 2018
	ROM	I37 v2.64 (10/17/2018)

OV

Recent Tasks | Alarms

Rack details - Devices

vm vSphere Client | Menu | Search | ITAdmin@vmware.hpecic.net

Pod2_Rack15_Frame2 | ACTIONS

Summary **Monitor** More Objects

Pod2_Rack15_Frame2 | Devices | ? | Hewlett Packard Enterprise

Devices

Bay	Status	Hardware	Host	Server Name	Model	Server Profile	Power Allocation (Watts)
1	OK	Pod2_Rack15_Frame2, bay 1	Unmanaged	sfo01m01esx04.sfo01.synergy.hybridit.hpecic.net	Synergy 480 Gen9		
2	OK	Pod2_Rack15_Frame2, bay 2	Unmanaged	vi.hybridit.hpecic.net	Synergy 480 Gen9		
3	OK	Pod2_Rack15_Frame2, bay 3	10.6.32.123	bay3.synergy.hybridit.hpecic.net	Synergy 480 Gen9	Synergy cluster firmware	

OV

Rack details – Power Supplies

vm vSphere Client | Menu | Search | ITAdmin@vmware.hpecic.net

Pod2_Rack15_Frame2 | Clusters 1 | Hosts 2

Pod2_Rack15_Frame2 | ACTIONS | Summary | **Monitor** | More Objects

Pod2_Rack15_Frame2 | Power Supplies | ? | Hewlett Packard Enterprise

Power Supplies

Bay	Status	Model	Serial Number	Part Number	Spare Part Number
1	OK	2650W AC Titanium Hot Plug Power Supply	9C4612009G	798095-B21	813829-001
2	OK	2650W AC Titanium Hot Plug Power Supply	9C4612009X	798095-B21	813829-001
3	OK	2650W AC Titanium Hot Plug Power Supply	9C461200C1	798095-B21	813829-001
4	OK	2650W AC Titanium Hot Plug Power Supply	9C46120092	798095-B21	813829-001
5	OK	2650W AC Titanium Hot Plug Power Supply	9C461201C0	798095-B21	813829-001
6	OK	2650W AC Titanium Hot Plug Power Supply	9C461200BB	798095-B21	813829-001

OV

Recent Tasks | Alarms

Rack details - Fans

vm vSphere Client | Menu | Search | ITAdmin@vmware.hpecic.net

Pod2_Rack15_Frame2 | Clusters (1) | Hosts (2)

Pod2_Rack15_Frame2 | ACTIONS | Summary | **Monitor** | More Objects

Pod2_Rack15_Frame2 | Fans | ? | Hewlett Packard Enterprise

Fans

Bay	Status	Model	Serial Number	Part Number	Spare Part Number
1	OK	Synergy Fan Module	7C66042217	809097-001	807967-001
2	OK	Synergy Fan Module	7C66042190	809097-001	807967-001
3	OK	Synergy Fan Module	7C66042183	809097-001	807967-001
4	OK	Synergy Fan Module	7C66042205	809097-001	807967-001
5	OK	Synergy Fan Module	7C66042213	809097-001	807967-001
6	OK	Synergy Fan Module	7C66042202	809097-001	807967-001
7	OK	Synergy Fan Module	7C66042192	809097-001	807967-001

OV

Recent Tasks | Alarms

Rack details – Composable Infrastructure Appliances

The screenshot shows the vSphere Client interface for a rack named Pod2_Rack15_Frame2. The 'Monitor' tab is selected, and the 'Composable Infrastructure Appliances' section is expanded. A table lists two appliances: Synergy Composer and Synergy Image Streamer, both with 'OK' status.

Bay	Status	Model	Power	Serial Number	Part Number	Spare Part Number
1	OK	Synergy Composer	On	CN764308K1	804353-B21	807964-001
2	OK	Synergy Image Streamer	On	CN7711056N	804937-B21	841450-001

Rack details - Interconnects

Pod2_Rack15_Frame2 | ACTIONS ▾

Summary **Monitor** More Objects

Pod2_Rack15_Frame2 | Interconnects ▾ ?

Hewlett Packard Enterprise

Interconnects

Bay ▲	Status	Interconnect	Installed Module	Power Allocation (Watts)
1	○	empty		
2	● OK	Pod2_Rack15_Frame2, interconnect 2	Virtual Connect SE 16Gb FC Module for Synergy	70
3	● OK	Pod2_Rack15_Frame2, interconnect 3	Synergy 20Gb Interconnect Link Module	17
4	○	empty		
5	● OK	Pod2_Rack15_Frame2, interconnect 5	Virtual Connect SE 16Gb FC Module for Synergy	70
6	● Critical	Pod2_Rack15_Frame2, interconnect 6	Virtual Connect SE 40Gb F8 Module for Synergy	220

OV

Rack details – Remote Support

The screenshot shows the vSphere Client interface. The top navigation bar includes the VMware logo, 'vSphere Client', a 'Menu' dropdown, a search bar, a refresh button, a help button, and the user 'ITAdmin@vmware.hpecic.net'. The left sidebar shows a tree view with 'Pod2_Rack15_Frame2' selected, containing 'Clusters' (1) and 'Hosts' (2). The main content area displays the details for 'Pod2_Rack15_Frame2', with tabs for 'Summary', 'Monitor', and 'More Objects'. The 'Monitor' tab is active and circled in red. Below the tabs, there is a status bar for 'Pod2_Rack15_Frame2' with a 'Remote Support' dropdown menu, also circled in red, and a 'Hewlett Packard Enterprise' logo. The 'Remote Support' section contains a table of configuration details.

State	Enabled
Support level	Warranty
Support identifier	none
Expiration	3/2/20 12:00:00 AM
Coverage days	5 days per week
Coverage hours	Standard office hours Monday to Friday
Holiday coverage	none
Response days	5 days per week
Response hours	Next coverage day Monday to Friday
Response on holidays	none

OV

Recent Tasks Alarms

VMware cluster – HPE Server Management

The screenshot displays the VMware vSphere Client interface. The top navigation bar includes the 'vm' logo, 'vSphere Client', a 'Menu' dropdown, a search bar, and the user 'ITAdmin@vmware.hpecic.net'. The main content area shows a cluster named 'Synergy cluster firmware demo'. The left-hand navigation pane is expanded to show the cluster's contents, with 'Synergy cluster firmware demo' selected and circled in red. A context menu is open over this selection, listing various actions. The 'HPE Server Management Actions' option at the bottom of the menu is also circled in red. This sub-menu contains the following options: 'Grow Cluster', 'Edit OS Deployment Plan', 'Shrink Cluster', and 'Import Cluster'. The background interface shows tabs for 'Configure', 'Permissions', 'Hosts', 'VMs', 'Datastores', 'Networks', and 'More Objects'. On the right, resource usage statistics are visible for CPU, Memory, and Storage.

vm vSphere Client Menu Search ITAdmin@vmware.hpecic.net

Synergy cluster firmware demo ACTIONS

vcfmanager.vmware.hpecic.net

- CloudFoundation
 - HPE OneView for vCenter
 - HPE Synergy - NVIDIA
 - HPE Synergy - NVIDIA
 - HPE_Synergy
 - Synergy cluster firmware demo**
 - 10.6.32.123
 - 10.6.32.124 (Not ready)
 - Vmware

Actions - Synergy cluster firmware demo

- Add Host...
- New Virtual Machine...
- New Resource Pool...
- Deploy OVF Template...
- Storage
- Host Profiles
- Edit Default VM Compatibility
- Assign License...
- Settings
- Rename...
- Tags & Custom Attributes
- Delete
- All HPE Storage Actions
- HPE Server Management Actions**
 - Grow Cluster
 - Edit OS Deployment Plan
 - Shrink Cluster
 - Import Cluster

Recent Tasks Alarms

CPU Free: 67.02 GHz
Used: 93 MHz Capacity: 67.12 GHz

Memory Free: 220.16 GB
Used: 3.71 GB Capacity: 223.87 GB

Storage Free: 1.44 TB
Used: 570.29 GB Capacity: 2 TB

vSphere DRS

Tags

Assigned Tag	Category	Description
--------------	----------	-------------

HPE Server Management – Grow Cluster 1

vm vSphere Client | Menu | Search | ITAdmin@vmware.hpecic.net

Grow Cluster | Synergy cluster firmware demo

1. Choose a build plan and target server

2. Cluster Preferences

3. Custom Attributes

4. Configure VMware Hosts

5. Confirm

Server Profile Templates: VMware cluster firmware demo template- (composer.synergy.hybridit.hpecic.net)

OS Deployment Plan: VCF - ESXi 6.5 Grow Cluster

Select one or more target servers for deployment

<input type="checkbox"/>	Servers	Model	iLO IP
<input checked="" type="checkbox"/>	Pod2_Rack15_Frame2, bay2	SY 480 Gen9	10.6.25.106
<input type="checkbox"/>	Pod2_Rack15_Frame2, bay1	SY 480 Gen9	10.6.25.107
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

Free: 67.02 GHz
Capacity: 67.12 GHz
Free: 220.16 GB
Capacity: 223.87 GB
Free: 1.44 TB
Capacity: 2 TB

Recent Tasks | CANCEL | BACK | NEXT

HPE Server Management – Grow Cluster 2

The screenshot shows the vSphere Client interface with a 'Grow Cluster' wizard open. The wizard title is 'Synergy cluster firmware demo'. The left sidebar shows a tree view with 'Synergy cluster' selected. The main area displays the wizard steps and the 'Cluster Preferences' section.

Grow Cluster | Synergy cluster firmware demo

1. Choose a build plan and target server

2. Cluster Preferences

3. Custom Attributes

4. Configure VMware Hosts

5. Confirm

Cluster Preferences

IP Preference:	<input checked="" type="radio"/> Assign static IP	<input type="radio"/> Assign IP from HPE OneView IP Pools
Switch Preference:	<input type="radio"/> Standard Switch	<input checked="" type="radio"/> Distributed Switch 6.5.0
Host Prefix As Hostname:	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
Leave Host In Maintenance:	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
Hostname To Register:	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable

Buttons at the bottom: CANCEL, BACK, NEXT

HPE Server Management – Grow Cluster 3

vm vSphere Client | Menu | Search | ITAdmin@vmware.hpecic.net

Grow Cluster | Synergy cluster firmware demo

- ✓ 1. Choose a build plan and target server
- ✓ 2. Cluster Preferences
- 3. Custom Attributes**
- 4. Configure VMware Hosts
- 5. Confirm

Custom Attributes are not supported for selected OS Deployment plan

Free: 67.02 GHz
Capacity: 67.12 GHz
Free: 220.16 GB
Capacity: 223.87 GB
Free: 1.44 TB
Capacity: 2 TB

Recent Tasks | CANCEL | BACK | NEXT

HPE Server Management – Grow Cluster 4

The screenshot shows the vSphere Client interface with a 'Grow Cluster' wizard window open. The wizard is titled 'Synergy cluster firmware demo' and is currently on step 4, 'Configure VMware Hosts'. The left sidebar shows a tree view of the cluster configuration, with step 4 highlighted. The main content area is divided into two sections: 'Common Host-Network Configuration' and host-specific details.

Common Host-Network Configuration

Netmask:	255.255.255.0	DNS Domain:	synergy.hybridit.hpecic.net
Gateway:	10.6.32.1	DNS Server(s):	10.11.0.13, 10.11.0.14
Hostname Prefix:	Synergy cluster firmware demo		

Server: Pod2_Rack15_Frame2, bay2
iLO IP: 10.6.25.106
Nic0 Static IP Address: Hostname:

At the bottom of the wizard, there are three buttons: 'CANCEL', 'BACK', and 'NEXT'.

HPE Server Management – Edit OS Deployment Plan

The screenshot displays the vSphere Client interface for a Synergy cluster named 'Synergy cluster firmware demo'. The interface includes a top navigation bar with the 'vm' logo, 'vSphere Client', a 'Menu' dropdown, a search bar, and a user profile 'ITAdmin@vmware.hpecic.net'. Below the navigation bar, there are icons for various objects and a tab for the current cluster. The main content area shows a list of objects with columns for 'Configure', 'Permissions', 'Hosts', 'VMs', 'Datastores', 'Networks', and 'More Objects'. A context menu is open over the 'Synergy cluster firmware demo' object, listing various actions. The 'Edit OS Deployment Plan' option is highlighted with a red circle. Other options in the menu include 'Add Host...', 'New Virtual Machine...', 'New Resource Pool...', 'Deploy OVF Template...', 'Storage', 'Host Profiles', 'Edit Default VM Compatibility', 'Assign License...', 'Settings', 'Rename...', 'Tags & Custom Attributes', 'Delete', 'All HPE Storage Actions', and 'HPE Server Management Acti...'. A secondary menu is also visible, showing 'Grow Cluster', 'Edit OS Deployment Plan', 'Shrink Cluster', and 'Import Cluster'. The background shows a summary of cluster statistics: Total Processors: 56, Total vMotion Migrations: 0, CPU (Free: 67.03 GHz, Used: 88 MHz, Capacity: 67.12 GHz), Memory (Free: 220.16 GB, Used: 3.71 GB, Capacity: 223.87 GB), Storage (Free: 1.44 TB, Used: 570.29 GB, Capacity: 2 TB), vSphere DRS, and a Tags table.

vm vSphere Client Menu Search ITAdmin@vmware.hpecic.net

Synergy cluster firmware demo ACTIONS

vcfmanager.vr
CloudFound
HPE One
HPE Syne
HPE Syne
HPE_Syn
Synergy
10.6.32
10.6.32
Vmware

Configure Permissions Hosts VMs Datastores Networks More Objects

Total Processors: 56
Total vMotion Migrations: 0

CPU Free: 67.03 GHz
Used: 88 MHz Capacity: 67.12 GHz
Memory Free: 220.16 GB
Used: 3.71 GB Capacity: 223.87 GB
Storage Free: 1.44 TB
Used: 570.29 GB Capacity: 2 TB

vSphere DRS

Tags

Assigned Tag	Category	Description
--------------	----------	-------------

Recent Tasks

Actions - Synergy cluster firmware ...

- Add Host...
- New Virtual Machine...
- New Resource Pool...
- Deploy OVF Template...
- Storage
- Host Profiles
- Edit Default VM Compatibility
- Assign License...
- Settings
- Rename...
- Tags & Custom Attributes
- Delete
- All HPE Storage Actions
- HPE Server Management Acti...

- Grow Cluster
- Edit OS Deployment Plan
- Shrink Cluster
- Import Cluster

HPE Server Management – Shrink Cluster

The screenshot shows the vSphere Client interface with a 'Shrink Cluster' dialog box open. The dialog title is 'Shrink Cluster | Synergy cluster firmware demo'. Below the title, there is a question mark icon and a text instruction: 'Select hosts that should be removed from the cluster and returned to bare metal. Selected hosts will be placed in Maintenance Mode, Powered off, OneView Server Profile removed and deleted from the cluster.'

<input type="checkbox"/>	Host	OneView Server Profile	VM Count
<input type="checkbox"/>	10.6.32.123	Synergy cluster firmware demo1	0
<input checked="" type="checkbox"/>	10.6.32.124	Synergy cluster firmware demo2	0
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

At the bottom right of the dialog, there are two buttons: 'CANCEL' and 'SHRINK'.

HPE Server Management – Import Cluster

The screenshot displays the vSphere Client interface. The top navigation bar includes the 'vm' logo, 'vSphere Client', a 'Menu' dropdown, a search bar, and the user 'ITAdmin@vmware.hpecic.net'. The main content area shows a cluster named 'Synergy cluster firmware demo'. A context menu is open over the cluster, listing various actions. The 'Import Cluster' option at the bottom of the menu is highlighted with a red circle. Other visible options include 'Add Host...', 'New Virtual Machine...', 'New Resource Pool...', 'Deploy OVF Template...', 'Storage', 'Host Profiles', 'Edit Default VM Compatibility', 'Assign License...', 'Settings', 'Rename...', 'Tags & Custom Attributes', 'Delete', 'All HPE Storage Actions', and 'HPE Server Management Acti...'. The background shows cluster details such as 'Processors: 56', 'CPU' usage (88 MHz), 'Memory' usage (3.71 GB), and 'Storage' usage (570.29 GB).

vm vSphere Client Menu Search ITAdmin@vmware.hpecic.net

Synergy cluster firmware demo ACTIONS

vcfmanager.vmware.h... CloudFoundation HPE OneView for HPE Synergy - NV HPE Synergy - NV HPE_Synergy_ Synergy cluster fi 10.6.32.123 10.6.32.124 (No VMware

Actions - Synergy cluster firmware ...

- Add Host...
- New Virtual Machine...
- New Resource Pool...
- Deploy OVF Template...
- Storage
- Host Profiles
- Edit Default VM Compatibility
- Assign License...
- Settings
- Rename...
- Tags & Custom Attributes
- Delete
- All HPE Storage Actions
- HPE Server Management Acti...

Processors: 56
CPU
Used: 88 MHz
Capacity: 67.12 GHz
Free: 67.03 GHz

Memory
Used: 3.71 GB
Capacity: 223.87 GB
Free: 220.16 GB

Storage
Used: 570.29 GB
Capacity: 2 TB
Free: 1.44 TB

vSphere DRS

Tags

Assigned Tag	Category	Description
--------------	----------	-------------

Recent Tasks Alarms

HPE Server Management – Import Host

The screenshot displays the vSphere Client interface with a modal dialog box titled "Import Host" for host 10.6.32.102. The dialog contains the following text:

Import Host | 10.6.32.102

?

Do you want to import the host configurations into OneView to manage?

CANCEL IMPORT

The background interface shows the host details for 10.6.32.102, including:

- Hypervisor: VMware ESXi, 6.5.0, 5146846
- CPU: Free: 86.98 GHz, Used: 172 MHz, Capacity: 87.14 GHz
- Memory: Free: 59.58 GB, Used: 4.3 GB, Capacity: 63.87 GB
- Storage: Free: 1.71 TB, Used: 571.24 GB, Capacity: 2.27 TB

Additional information visible in the background includes:

- Summary tab selected
- Host name: 10.6.32.102
- Actions menu open
- Left sidebar showing a tree view of resources under "vcfmanager.vmware.hp..." and "CloudFoundation".
- Bottom status bar with "Recent Tasks" and "Alarms" sections.

Updating firmware from OneView

The screenshot displays the VMware OneView interface for managing Hypervisor Profiles. The top navigation bar includes the OneView logo, a search bar, and utility icons. The main content area is titled 'Hypervisor Profiles' and shows a list of profiles. The profile 'Synergy cluster firmware demo2' is selected, and its details are displayed on the right.

Hypervisor Profiles List:

Name	Cluster
Synergy cluster firmware d emo1	Synergy cluster firmware d emo
Synergy cluster firmware d emo2	Synergy cluster firmware d emo

Selected Profile: Synergy cluster firmware demo2

General

State	Active
Consistency state	Consistent
Hypervisor cluster profile	Synergy cluster firmware demo
Server profile	Synergy cluster firmware demo2
Server hardware	Pod2 Rack15 Frame2, bay 4
OS deployment plan	VCF - ESXi 6.5 Grow Cluster
Management IPv4 Address	10.6.32.124

Deployment Settings

No deployment settings defined.

Hypervisor Settings


Updating firmware – Vcenter view

The screenshot displays the VMware vSphere Client interface. The top navigation bar includes the 'vm' logo, 'vSphere Client', a 'Menu' dropdown, a search bar, a refresh icon, a help icon, and the user 'ITAdmin@vmware.hpecic.net'. The left sidebar shows a tree view with 'vcfmanager.vmware.hpecic.net' expanded to 'CloudFoundation', which contains several HPE Synergy hosts. The host '10.6.32.123 (Not res...)' is selected. The main panel shows the host's 'Summary' tab, including a server icon, a 'HPE Synergy' logo, and a table of specifications. A red warning banner at the bottom indicates a 'Host connection and power state' issue, with links to 'Acknowledge' and 'Reset To Green'. Below this, a blue information banner lists three messages: 'Cannot synchronize host 10.6.32.123.', 'ESXi Shell for the host has been enabled', and 'SSH for the host has been enabled', each with a 'Suppress Warning' link. At the bottom, there are dropdown menus for 'Hardware' and 'Configuration', and a 'Recent Tasks' section.

vm vSphere Client Menu Search ITAdmin@vmware.hpecic.net

10.6.32.123 ACTIONS

Summary Monitor Configure Permissions VMs Datastores Networks More Objects

	Hypervisor: VMware ESXi, 6.5.0, 5146846	CPU	Free: 0 Hz
	Model: Synergy 480 Gen9	Used: 0 Hz	Capacity: 0 Hz
	Processor Type: Intel(R) Xeon(R) CPU E5-2680 v4 @ 2.40GHz	Memory	Free: 0 B
	Logical Processors: 56	Used: 0 B	Capacity: 0 B
	NICs: 6	Storage	Free: 0 B
	Virtual Machines: 0	Used: 0 B	Capacity: 0 B
	State: Not responding		
	Uptime: 0 second		

Host connection and power state [Acknowledge](#) [Reset To Green](#)

Cannot synchronize host 10.6.32.123. [Suppress Warning](#)

ESXi Shell for the host has been enabled [Suppress Warning](#)

SSH for the host has been enabled [Suppress Warning](#)

View all issues (5)

Hardware Configuration

Recent Tasks Alarms