

# **VMware vSphere VM Deployment & Migration**

## **Overview**

This project documents the deployment, configuration, validation, and migration of a Linux virtual machine in a VMware vSphere environment. The workflow follows enterprise standards for provisioning, networking, and system verification.

## **What Was Done**

Deployed a virtual machine from an approved vSphere template

Selected the appropriate data center, cluster, datastore, and VLAN

Configured static networking using nmcli and validated IP details against IPAM

Updated and verified the system hostname to match naming standards

Verified VM health, resources, and connectivity in the vSphere Client

Performed a live VM migration (vMotion) to a new compute resource

Confirmed successful post-migration operation and resource assignments

## **Result**

The virtual machine was successfully deployed, configured, migrated, and validated with no service disruption, meeting all networking and system requirements.

## **Skills Demonstrated**

VMware vSphere & ESXi

Template-based VM provisioning

Linux system and network configuration

IP address management (IPAM)

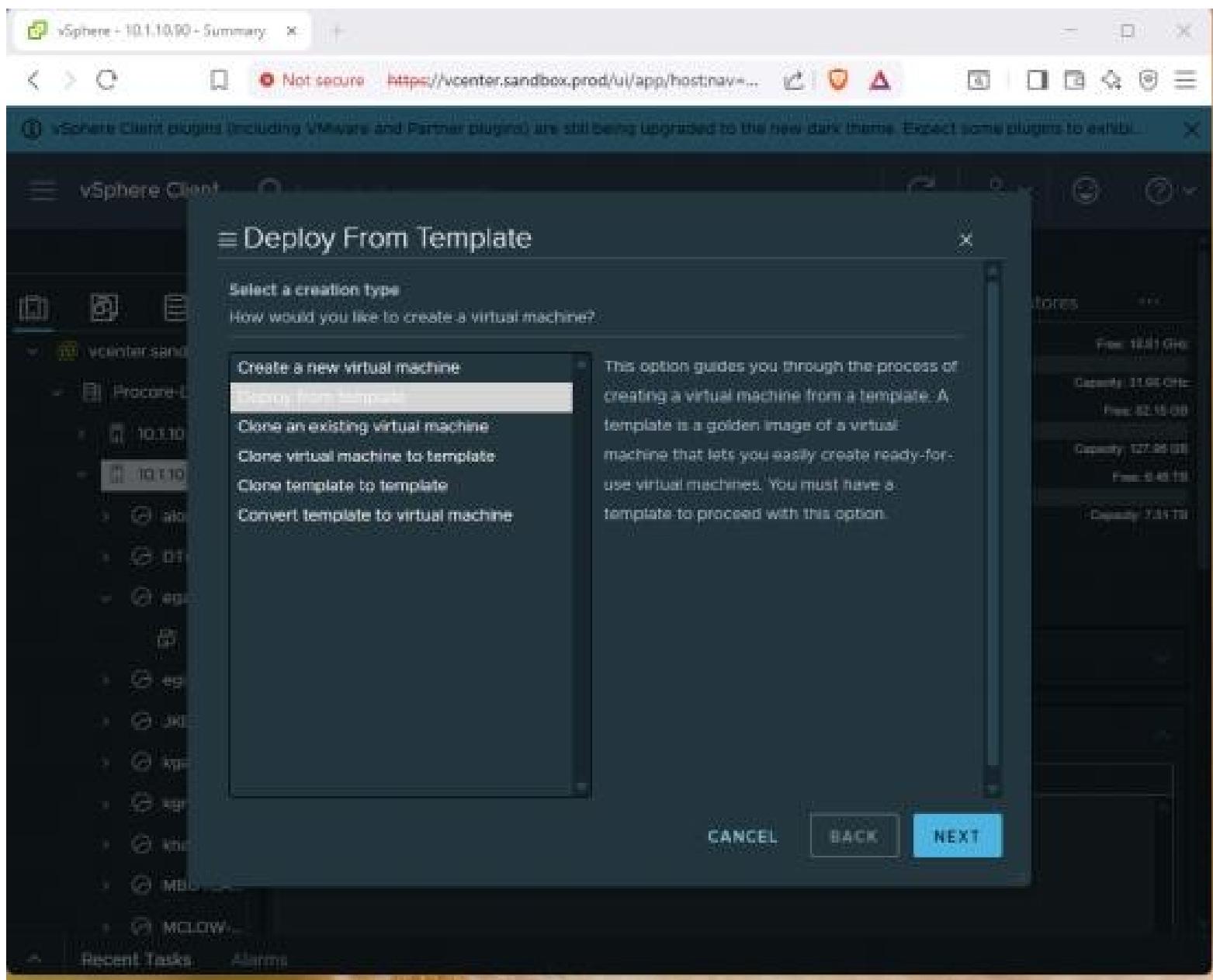
Live migration (vMotion)

Post-deployment verification

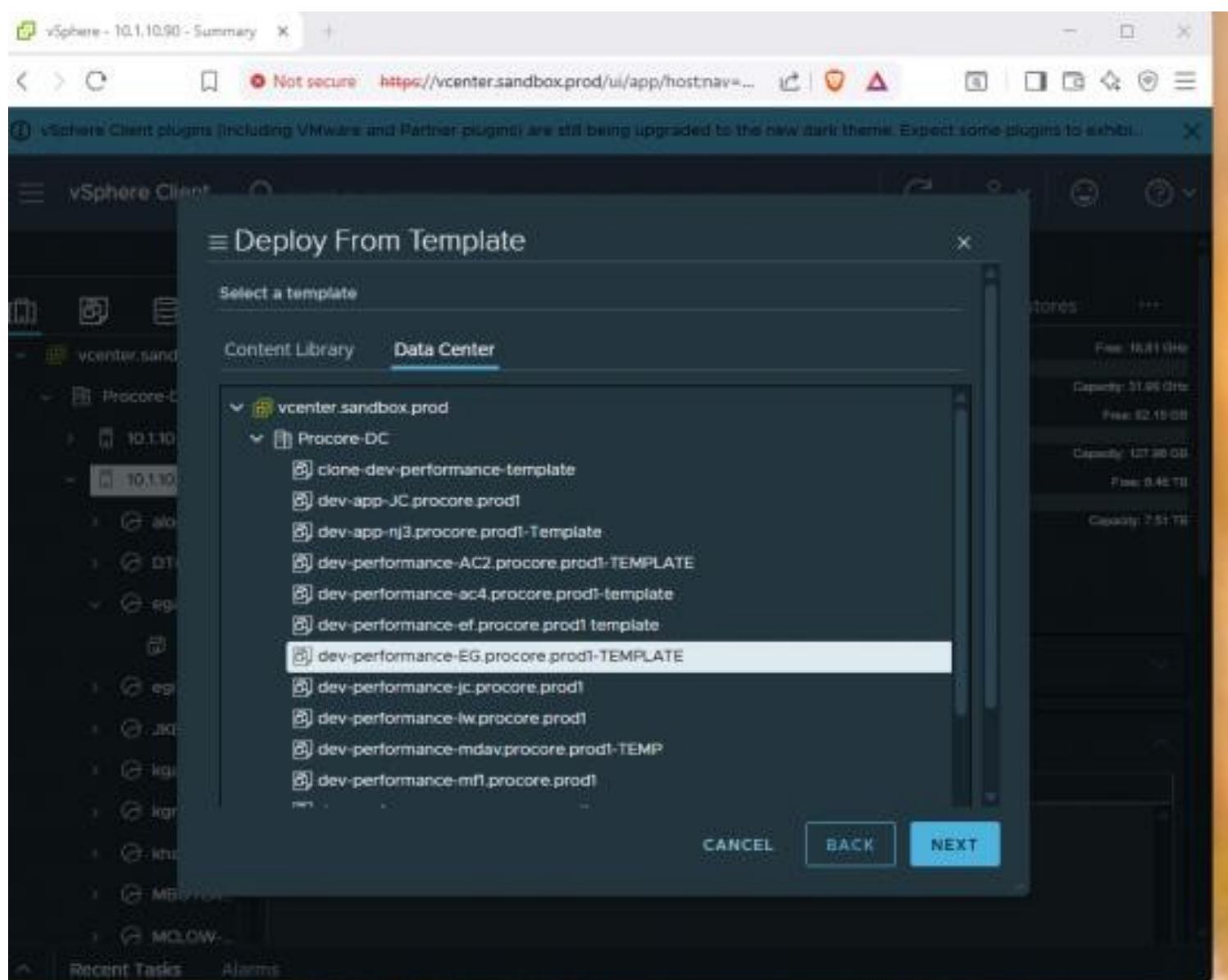
VMware vSphere Client host summary view showing an ESXi host's hardware resources, uptime, and available administrative actions through the Actions menu."

The screenshot shows the VMware vSphere Client interface. The left sidebar navigation pane is visible, showing a tree structure with nodes like 'vSphere Client', 'vSphere', 'vcenter.s', 'Processors', '10.0.0.10', and 'Certificates'. A context menu is open over the '10.0.0.10' node, listing options such as 'New Virtual Machine...', 'Deploy OVF Template...', 'New Resource Pool...', 'New vApp...', 'Import VMs', 'Maintenance Mode', 'Connection', 'Power', 'Certificates', 'Storage', 'Add Networking...', 'Host Profiles...', 'Export System Logs...', 'Reconfigure for vSphere...', 'Assign License...', 'Settings', 'Move To...', 'Tags & Custom Attribut...', 'Recent Tasks', and 'Remove from Inventory'. The main content area displays the host summary for '10.0.0.10'. It includes sections for 'Hardware' (Processor: Intel(R) Xeon(R) CPU E5-2650 0 @ 2.00GHz, # Processors: 32, # Machines: 62), 'Actions' (Configure, Permissions, VMs, Resource Pools, Datastores, ...), and resource utilization charts for CPU, Memory, and Storage. The storage chart shows 1.05 TB used out of 7.51 TB capacity. The bottom section shows a table for 'Category' and 'Description'.

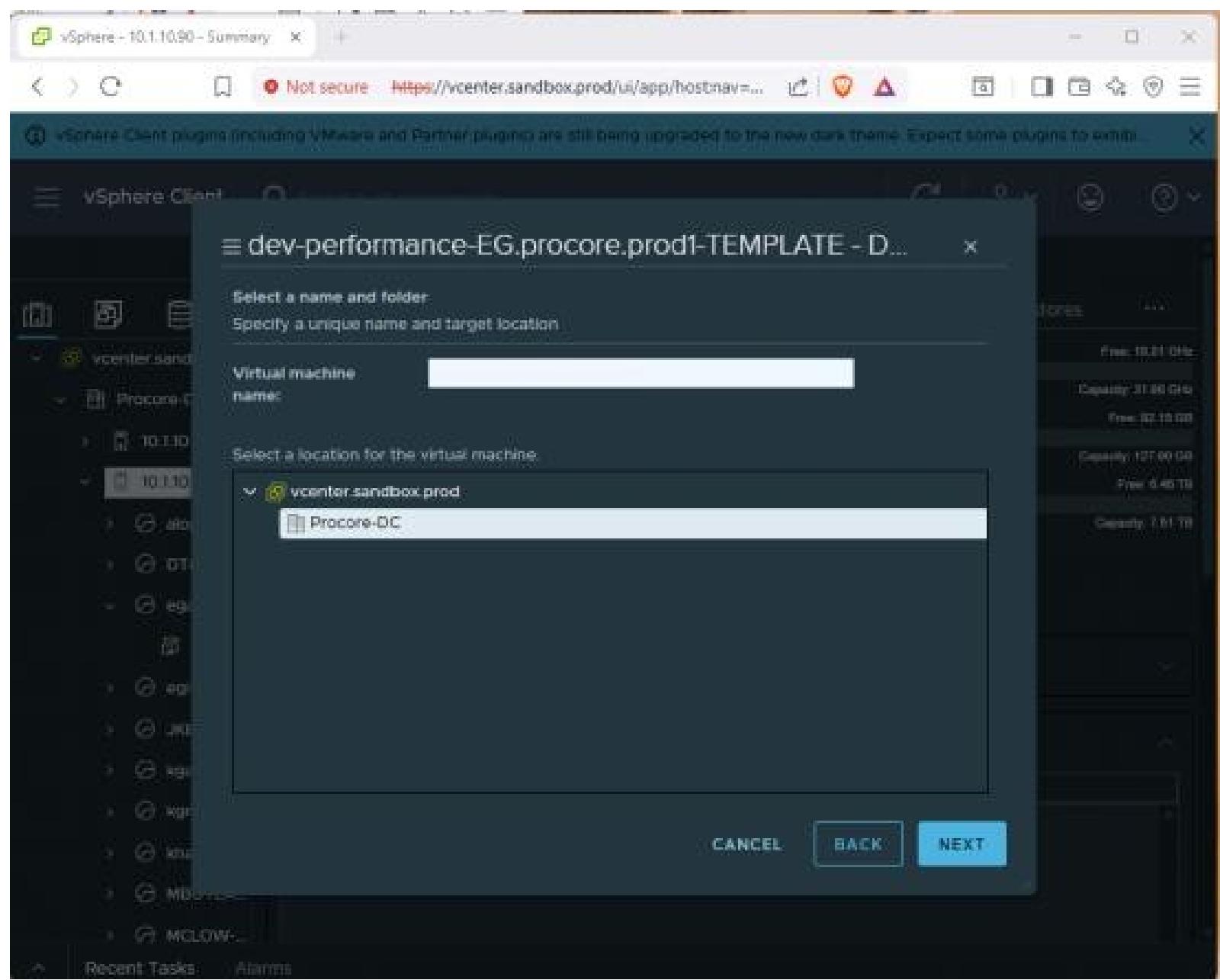
“VMware vSphere Client ‘Deploy From Template’ wizard showing creation options for provisioning a virtual machine from an existing template.”



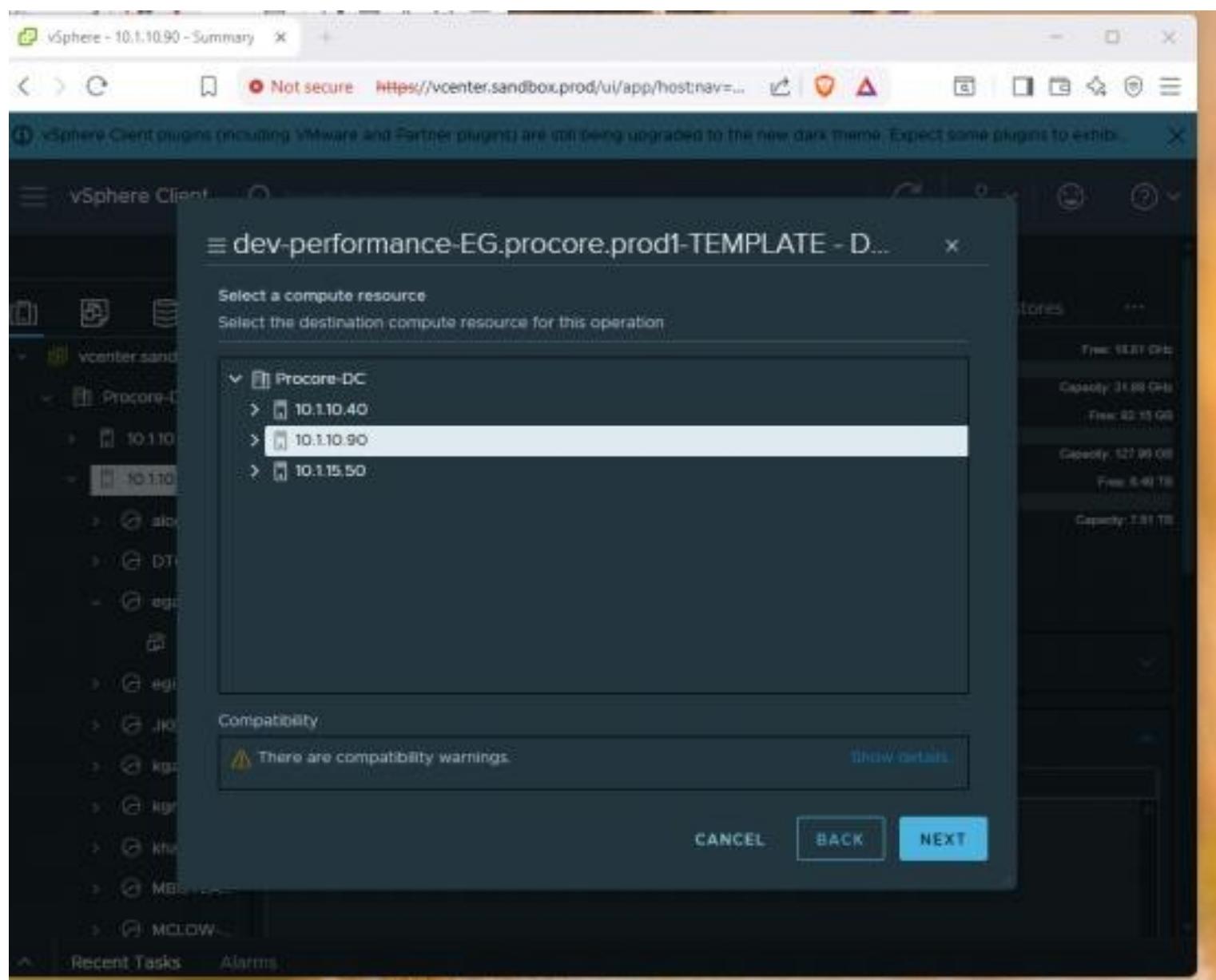
“VMware vSphere Client ‘Deploy From Template’ wizard showing available VM templates within the data center for selecting a source template.”



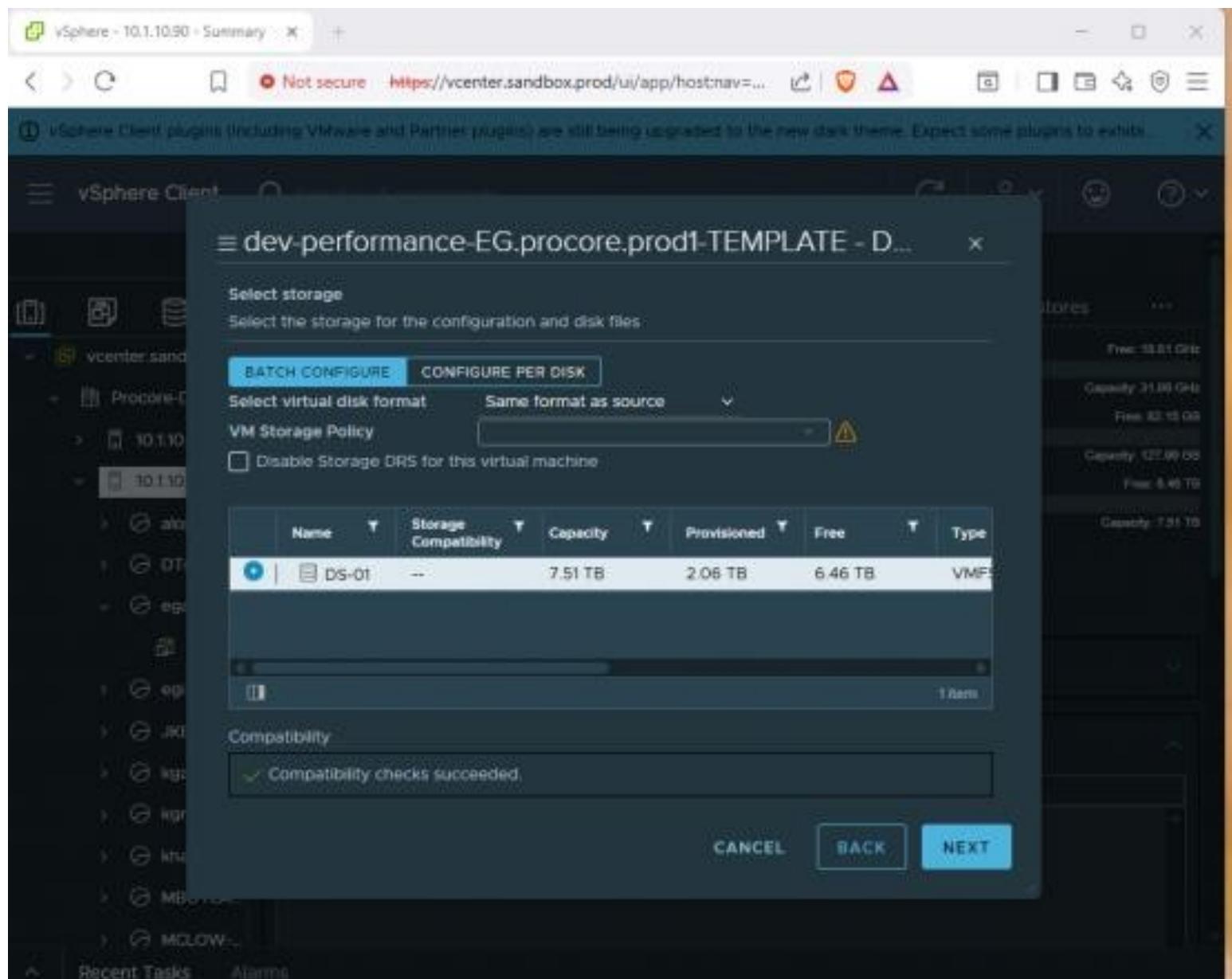
“VMware vSphere Client ‘Deploy From Template’ wizard prompting for a virtual machine name and selection of the target data center.”



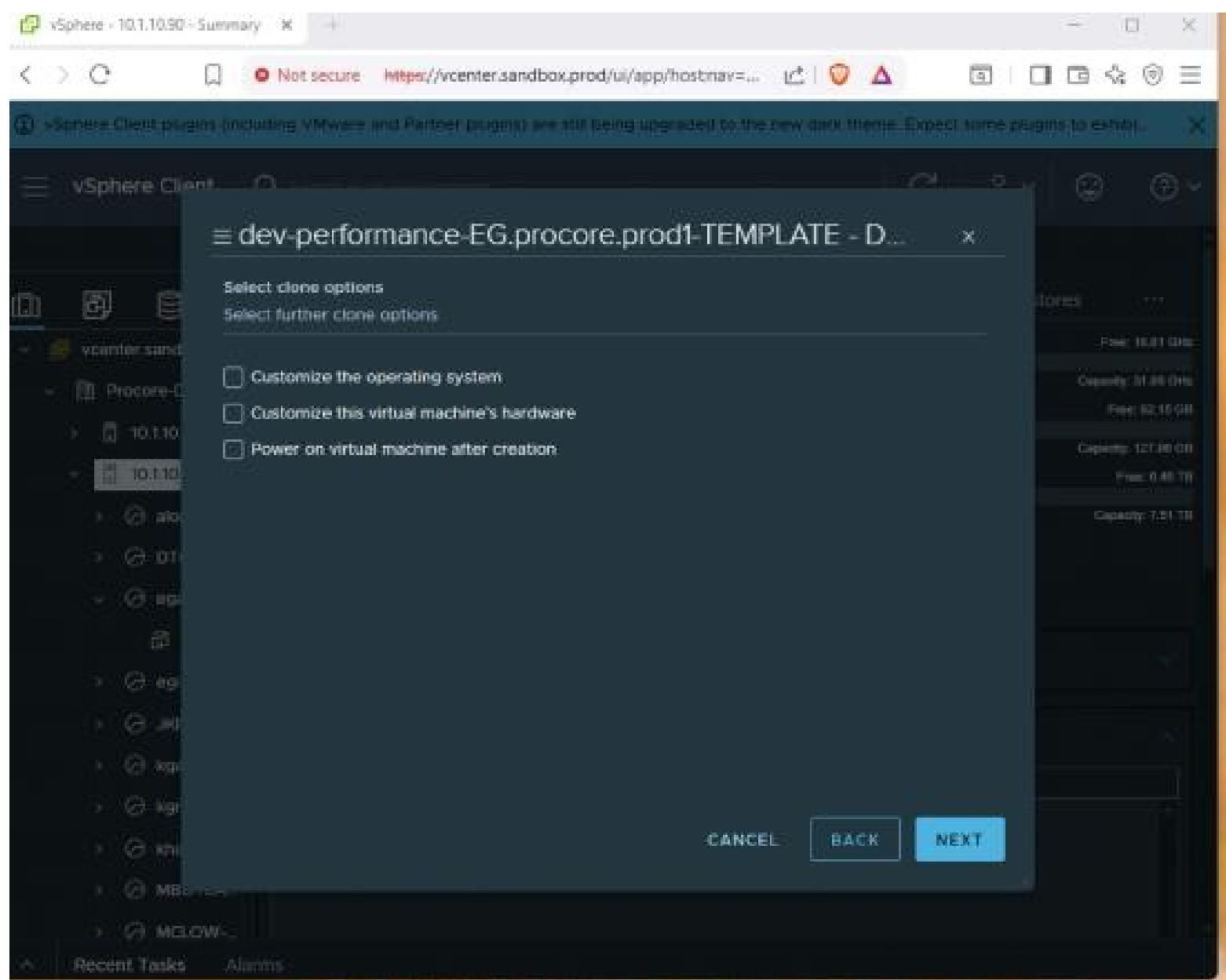
“VMware vSphere Client ‘Deploy From Template’ wizard showing selection of the destination compute resource for the virtual machine.”



“VMware vSphere Client ‘Deploy From Template’ wizard showing datastore selection and storage configuration for the virtual machine.”



“VMware vSphere Client ‘Deploy From Template’ wizard showing optional customization settings, including OS customization, hardware configuration, and power-on options.”



VMware vSphere Client ‘Deploy From Template’ wizard showing the final review and confirmation details before virtual machine creation.”

The screenshot shows the 'vSphere Client' interface with the title bar 'vSphere - 10.1.10.90 - Summary'. A warning message in the top right corner states: 'vsphere Client plugins (including VMware and Partner plugins) are still being upgraded to the new dark theme. Expect some plugins to exhibit unexpected behavior until the upgrade is complete.' Below this, the main window displays the 'dev-performance-EG.procore.prod1-TEMPLATE - D...' tab. A message 'Ready to complete. Click Finish to start creation.' is centered. To the right, there's a table with the following configuration details:

Source template	dev-performance-EG.procore.prod1-TEMPLATE
Virtual machine name	dev-performance-eg.procore.prod1
Folder	Procore-DC
Host	10.1.10.90
Datastore	DS-01
Disk storage	Same format as source

At the bottom right, there are three buttons: 'CANCEL', 'BACK', and 'FINISH' (highlighted in blue). The left sidebar shows a tree view of the vCenter inventory, including 'vcentersand' and 'Procore-DC' under 'Datacenters'.

“VMware vSphere Client host summary view showing ESXi host details, resource utilization, and system status.”

The screenshot shows the VMware vSphere Client interface for a host named 10.1.10.90. The left sidebar lists various clusters and hosts, including MCLOW-CLUSTER, PSEKAR2-CLUSTER, qd-cluster, rbatista-cluster, Siesperance-CLUSTER, tacquaye-cluster, TDEXTER-CLSTR, TLINDSEY-CLUSTER, tshank-cluster, tsaint-cluster, ucharles-cluster, and dev-performance-eg.procore.dev. The main pane displays the host's summary information:

Information	Value
Hypervisor	VMware ESXi 7.0.3; 21930508
Model	PowerEdge R620
Processor Type	Intel(R) Xeon(R) CPU E5-2650 v2 @ 2.00GHz
Logical Processors	32
NICs	8
Virtual Machines	63
State	Connected
Uptime	106 days

Resource utilization charts show the following usage:

Resource	Used	Capacity
CPU	14.71 GHz	31.99 GHz
Memory	82.08 GB	127.96 GB
Storage	6.45 TB	7.51 TB

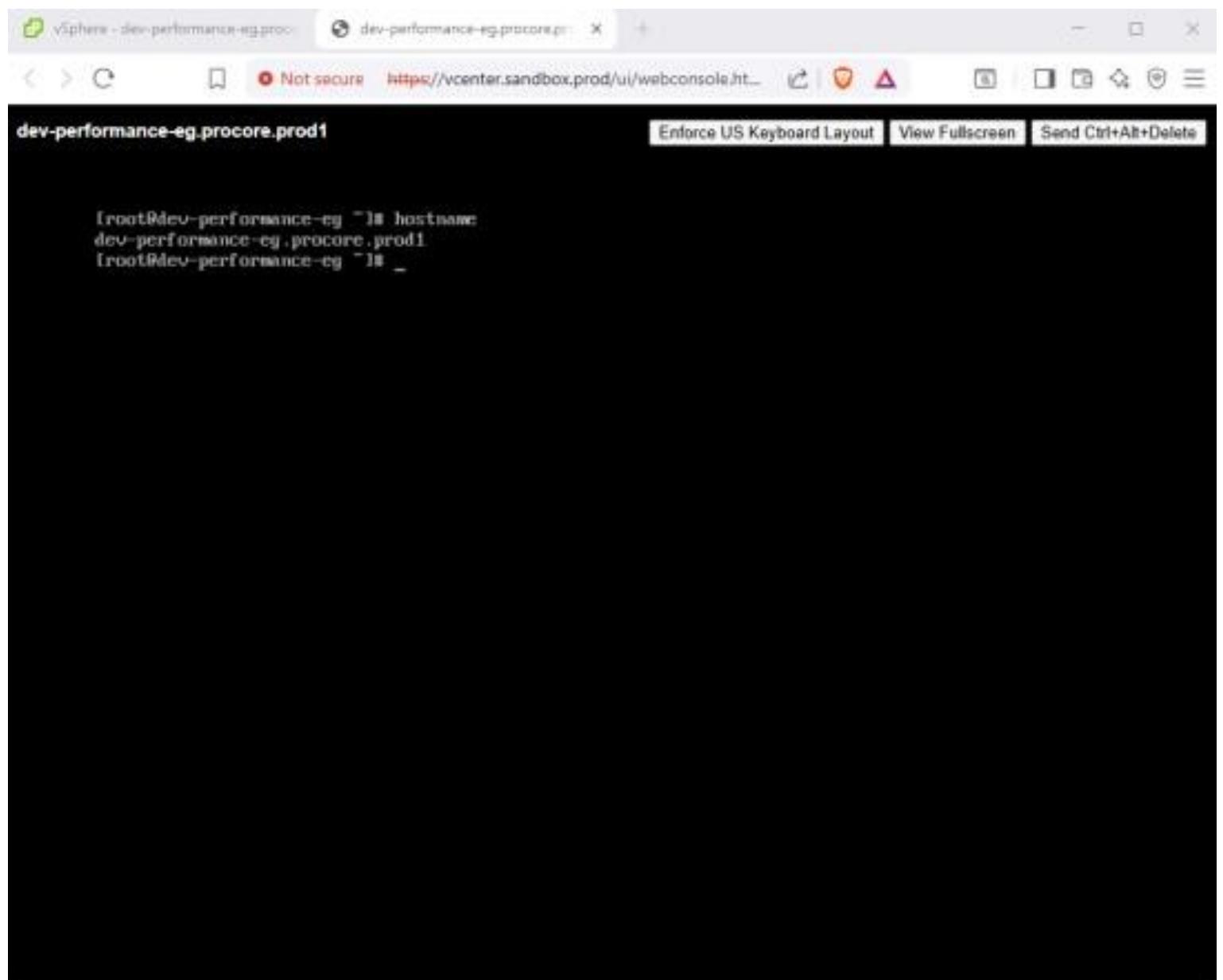
The Dell EMC logo is prominently displayed in the center of the summary pane.

Below the summary, there are two tabs: "Hardware" and "Configuration". The "Tags" section shows a table:

Assigned Tag	Category	Description

The "Related Objects" section shows a list: "None".

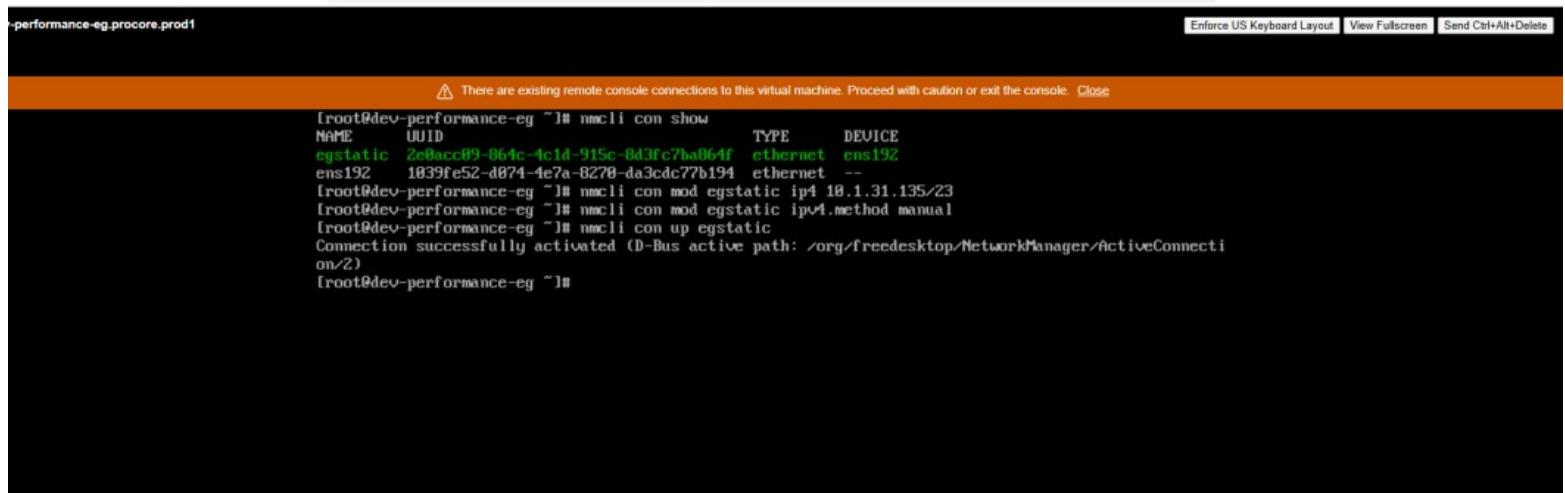
“Linux terminal session verifying the system hostname using the hostname command after virtual machine deployment.”



A screenshot of a Linux terminal window titled "dev-performance-eg.prod1". The window is running in a web browser interface. The terminal prompt shows the user is root on the host "dev-performance-eg.prod1". The command "hostname" is run, and the output "dev-performance-eg.prod1" is displayed. The terminal has a dark background with white text.

```
[root@dev-performance-eg ~]# hostname  
dev-performance-eg.prod1  
[root@dev-performance-eg ~]# _
```

“Linux terminal session using nmcli to configure a static IPv4 address and activate the network connection.”



The screenshot shows a terminal window with the following details:

- Title bar: -performance-eg.procore.prod1
- Top right buttons: Enforce US Keyboard Layout, View Fullscreen, Send Ctrl+Alt+Delete
- Message bar: ▲ There are existing remote console connections to this virtual machine. Proceed with caution or exit the console. Close
- Terminal content:

```
[root@dev-performance-eg ~]# nmcli con show
NAME      UUID                                  TYPE      DEVICE
egstatic  2e8acc89-864c-4c1d-915c-8d3fc7ba864f  ethernet  ens192
ens192    1039fe52-d874-4e7a-8278-da3cdc77b194  ethernet  --
[root@dev-performance-eg ~]# nmcli con mod egstatic ipv4 10.1.31.135/23
[root@dev-performance-eg ~]# nmcli con mod egstatic ipv4.method manual
[root@dev-performance-eg ~]# nmcli con up egstatic
Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/2)
[root@dev-performance-eg ~]#
```

“Linux terminal output confirming network configuration details and assigned IPv4/IPv6 addresses using nmcli.”



The screenshot shows a web browser window titled "dev-performance-eg.procore.prod1". The address bar indicates a "Not secure" connection to "https://vcenter.sandbox.prod/ui/webconsole.html?vmId=vm-2354&vmName=dev-performance-eg". A warning message at the top states: "⚠ There are existing remote console connections to this virtual machine. Proceed with caution or exit the console. [Close](#)". Below the message, the terminal output of "nmcli" is displayed.

```
ip6.never-default:          no
ip6.may-fail:               yes
ip6.ip6-privacy:            -1 (unknown)
ip6.addr-gen-mode:          stable-privacy
ip6.dhcp-duid:              --
ip6.dhcp-send-hostname:     yes
ip6.dhcp-hostname:          --
ip6.token:                  --
proxy.method:                none
proxy.browser-only:          no
proxy.pac-url:               --
proxy.pac-script:             --
GENERAL.NAME:                egstatic
GENERAL.UUID:                Ze0acc09-864c-4c1d-915c-8d3fc7ba864f
GENERAL.DEVICES:              ens192
GENERAL.STATE:                activated
GENERAL.DEFAULT:              yes
GENERAL.DEFAULT6:             no
GENERAL.SPEC-OBJECT:          --
GENERAL.UPN:                  no
GENERAL.DBUS-PATH:            /org/freedesktop/NetworkManager/ActiveConnection/2
GENERAL.COM-PATH:             /org/freedesktop/NetworkManager/Settings/1
GENERAL.ZONE:                 --
GENERAL.MASTER-PATH:           --
IP4.ADDRESS[1]:               10.1.30.251/23
IP4.ADDRESS[2]:               10.1.31.135/23
IP4.GATEWAY:                  10.1.30.1
IP4.ROUTE[1]:                 dst = 10.1.30.0/23, nh = 0.0.0.0, mt = 100
IP4.ROUTE[2]:                 dst = 10.1.30.0/23, nh = 0.0.0.0, mt = 100
IP4.ROUTE[3]:                 dst = 0.0.0.0/0, nh = 10.1.30.1, mt = 100
IP4.DNS[1]:                    10.1.15.13
IP4.DNS[2]:                    10.1.15.15
IP6.ADDRESS[1]:                fe80::10e:ca2c:bc52:6e15/64
IP6.GATEWAY:                  --
IP6.ROUTE[1]:                 dst = fe80::/64, nh = ::, mt = 100
IP6.ROUTE[2]:                 dst = ff00::/8, nh = ::, mt = 256, table=255
Lines 72-107/107 (END)
```

“IPAM spreadsheet showing assigned IP addresses, hostnames, subnet masks, gateways, and DNS servers for development, performance, and staging environments.”

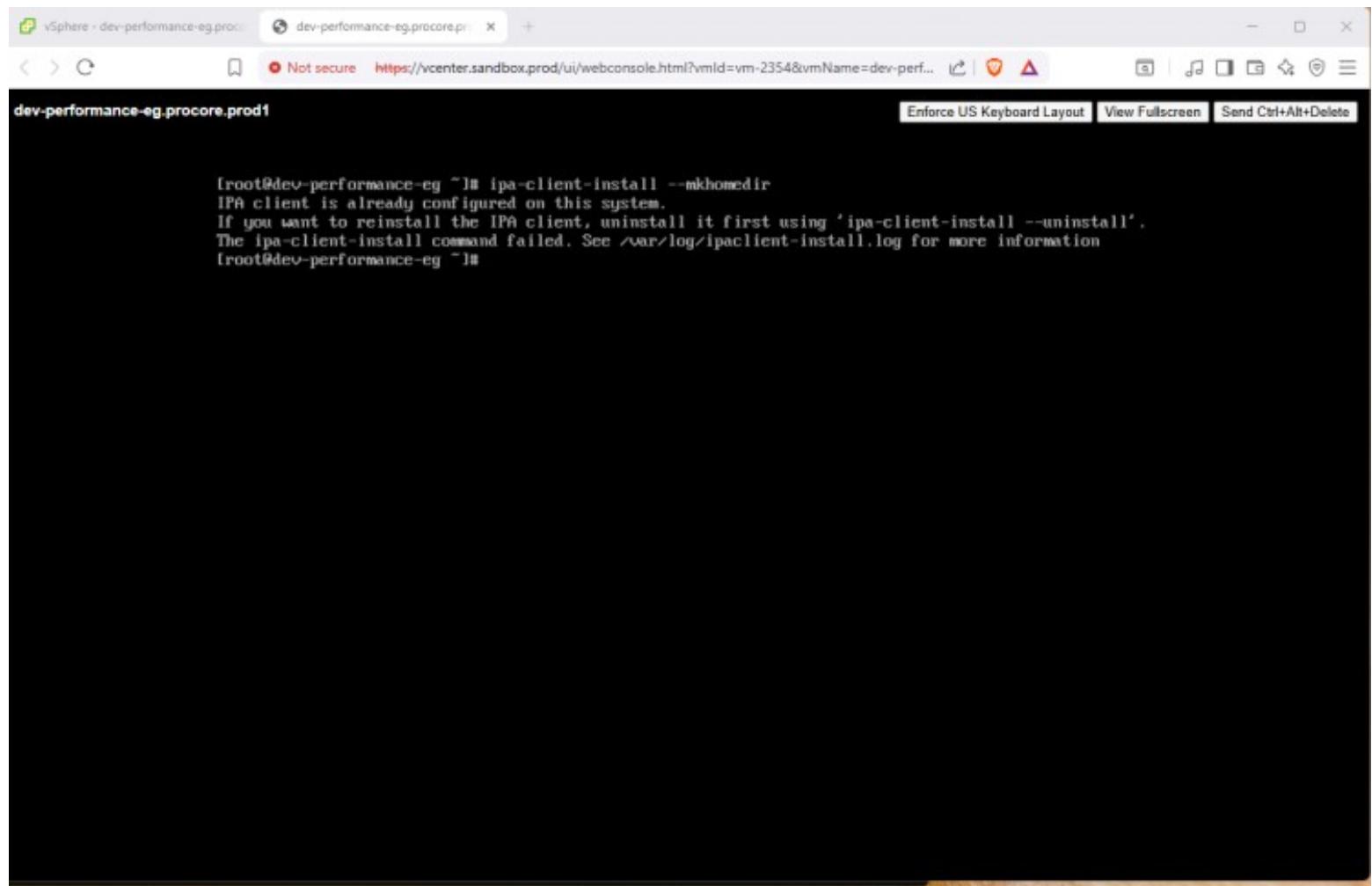
The screenshot shows a Google Sheets document titled "Pro-Core Plus-IPAM-10.1.30.0:23". The spreadsheet has a header row with columns labeled A through J. The data starts at row 51, with columns B through J containing IP addresses, subnet masks, and gateway information. Row 55 highlights the IP address 10.1.31.124 in column D. The spreadsheet is set to "View only" and is shared with others.

A	B	C	D	E	F	G	H	I	J
1	Apprentice	Username	Dev-app	dev-performance	Stage-web	Subnet Mask	Default Gateway	DNS 1	DNS 2
51	Theodore Pierre	tpierre	10.1.31.16	10.1.31.17	10.1.31.18	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
52	Anthony Clark	aclark	10.1.30.200	10.1.30.201	10.1.30.202	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
53	Thomas Dejen	tdejen	10.1.31.137	10.1.31.138	10.1.30.98	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
54	Trey Johnson	tjohnson	10.1.31.145	10.1.31.146	10.1.31.147	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
55	Edward Garrido	egarrido	10.1.31.124	10.1.31.135	10.1.31.136	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
56	Yikealo Abraham	yabraham	10.1.30.174	10.1.31.68	10.1.31.69	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
57	Ralph Quick	rquick	10.1.31.210	10.1.31.211	10.1.31.212	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
58	Beth Haupt	baupt	10.1.31.148	10.1.31.149	10.1.31.150	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
59	Loki Alohikea	lalohikea	10.1.31.151	10.1.31.152	10.1.31.153	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
60	Michelle Boylan	mboylan	10.1.31.154	10.1.31.155	10.1.31.156	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
61	Herve Diohore	hdiohore	10.1.31.157	10.1.31.158	10.1.31.159	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
62	Natasha Mack	nmack	10.1.31.160	10.1.31.161	10.1.31.162	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
63	Tyre Dixon	tdixon	10.1.31.163	10.1.31.164	10.1.31.165	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
64	Jacqueline Branch	lwood	10.1.31.166	10.1.31.167	10.1.31.168	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
65	William Rhoe	wrhoe	10.1.31.169	10.1.31.170	10.1.31.171	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
66	Thony Loui	thony	10.1.31.175	10.1.31.176	10.1.31.177	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
67	Christopher Henderson	chenderson	10.1.31.178	10.1.31.179	10.1.31.180	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15
68	Daleesa Stevens	dstevens	10.1.31.181	10.1.31.182	10.1.31.183	255.255.254.0	10.1.30.1	10.1.15.13	10.1.15.15

“Linux terminal session verifying the system hostname and confirming the IPA client package installation status.”

```
[root@dev-performance-eg ~]# hostname  
dev-performance-eg.procure.prod1  
[root@dev-performance-eg ~]# yum install ipa-client  
Loaded plugins: fastestmirror, package_upload, product-id, search-disabled-repos, subscription-manager  
HTTP error (410 - Gone): Unit 80aa45bd-7589-4140-8951-4aba5a984bd9 has been deleted  
Determining fastest mirrors  
base 1 3.6 kB 00:00:00  
katello-client 1 3.6 kB 00:00:00  
Package matching ipa-client-4.6.8-5.el7.centos.x86_64 already installed. Checking for update.  
Nothing to do  
[root@dev-performance-eg ~]#
```

“Linux terminal output indicating the IPA client is already installed and configured on the system.”



The screenshot shows a terminal window titled 'dev-performance-eg.proc' with the URL 'https://vcenter.sandbox.prod/ui/webconsole.html?vmId=vm-2354&vmName=dev-perf...' in the address bar. The window is not secure. The terminal content is as follows:

```
[root@dev-performance-eg ~]# ipa-client-install --mkhomedir
IPA client is already configured on this system.
If you want to reinstall the IPA client, uninstall it first using 'ipa-client-install --uninstall'.
The ipa-client-install command failed. See /var/log/ipaclient-install.log for more information
[root@dev-performance-eg ~]#
```

“VMware vSphere Client virtual machine summary view showing power state, guest OS details, resource usage, and assigned network and datastore.”

The screenshot shows the VMware vSphere Client interface for a virtual machine named "dev-performance-eg.procore.prod1". The interface includes a navigation bar at the top with tabs for "Summary", "Monitor", "Configure", "Permissions", "Datastores", "Networks", and "Snapshots". The "Summary" tab is selected. On the left, there is a tree view of clusters and resource pools. The main pane displays the following information for the selected VM:

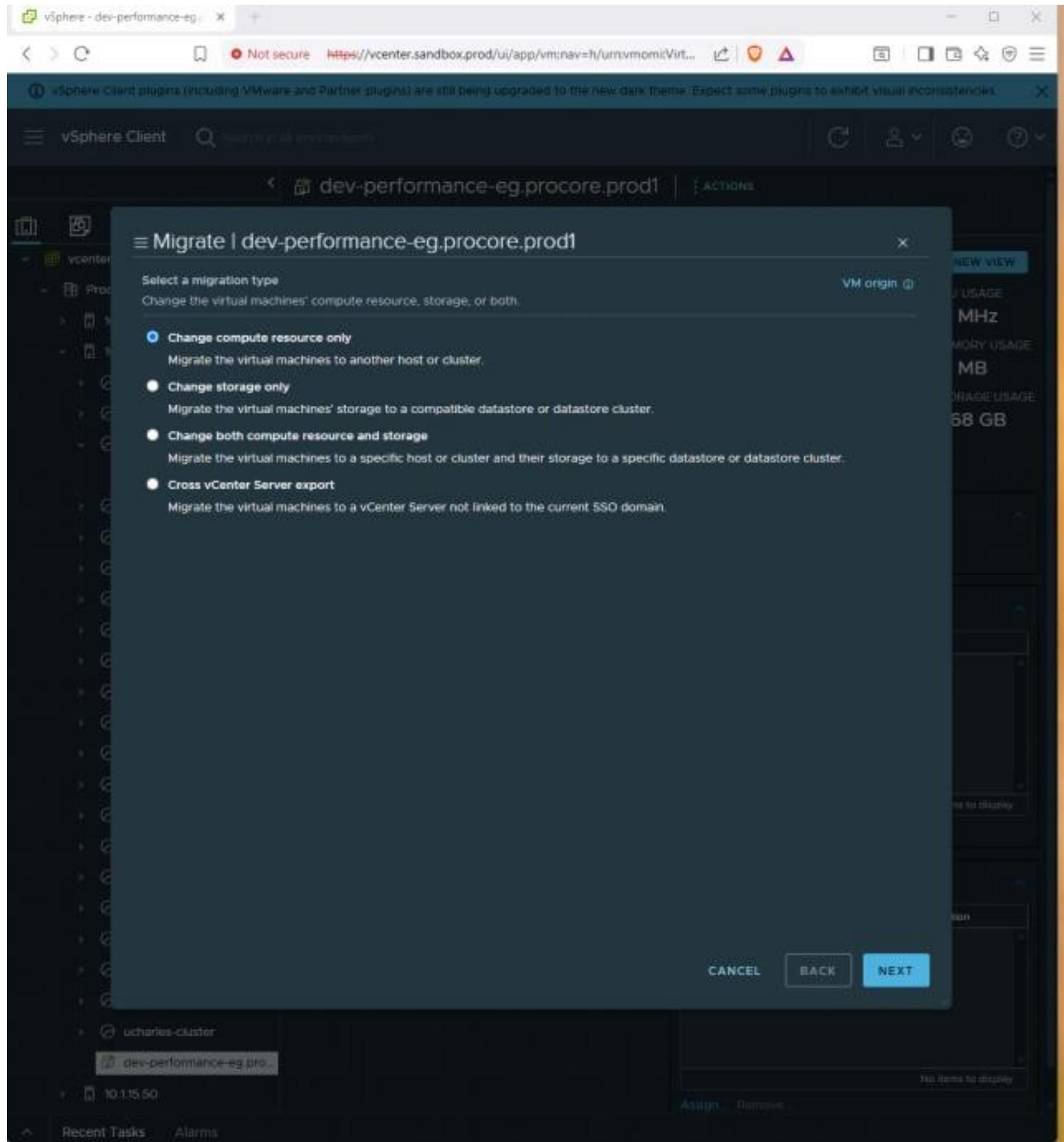
- Power State:** Powered On
- Guest OS:** CentOS 7 (64-bit)
- Compatibility:** ESXi 6.7 and later (VM version 14)
- VMware Tools:** Running, version:10361 (Current)
- DNS Name:** dev-performance-eg.procore.prod1
- IP Addresses:** 10.130.251
- Host:** 10.110.90

On the right side, there are performance metrics:

- CPU USAGE: 19 MHz
- MEMORY USAGE: 81 MB
- STORAGE USAGE: 7.68 GB

Below the main summary, there are sections for "VM Hardware", "Related Objects", and "Custom Attributes".

“VMware vSphere Client ‘Migrate’ wizard showing migration options for changing compute resources, storage, or both for a virtual machine.”



“VMware vSphere Client ‘Migrate’ wizard displaying available clusters and resource pools for selecting the destination compute resource.”

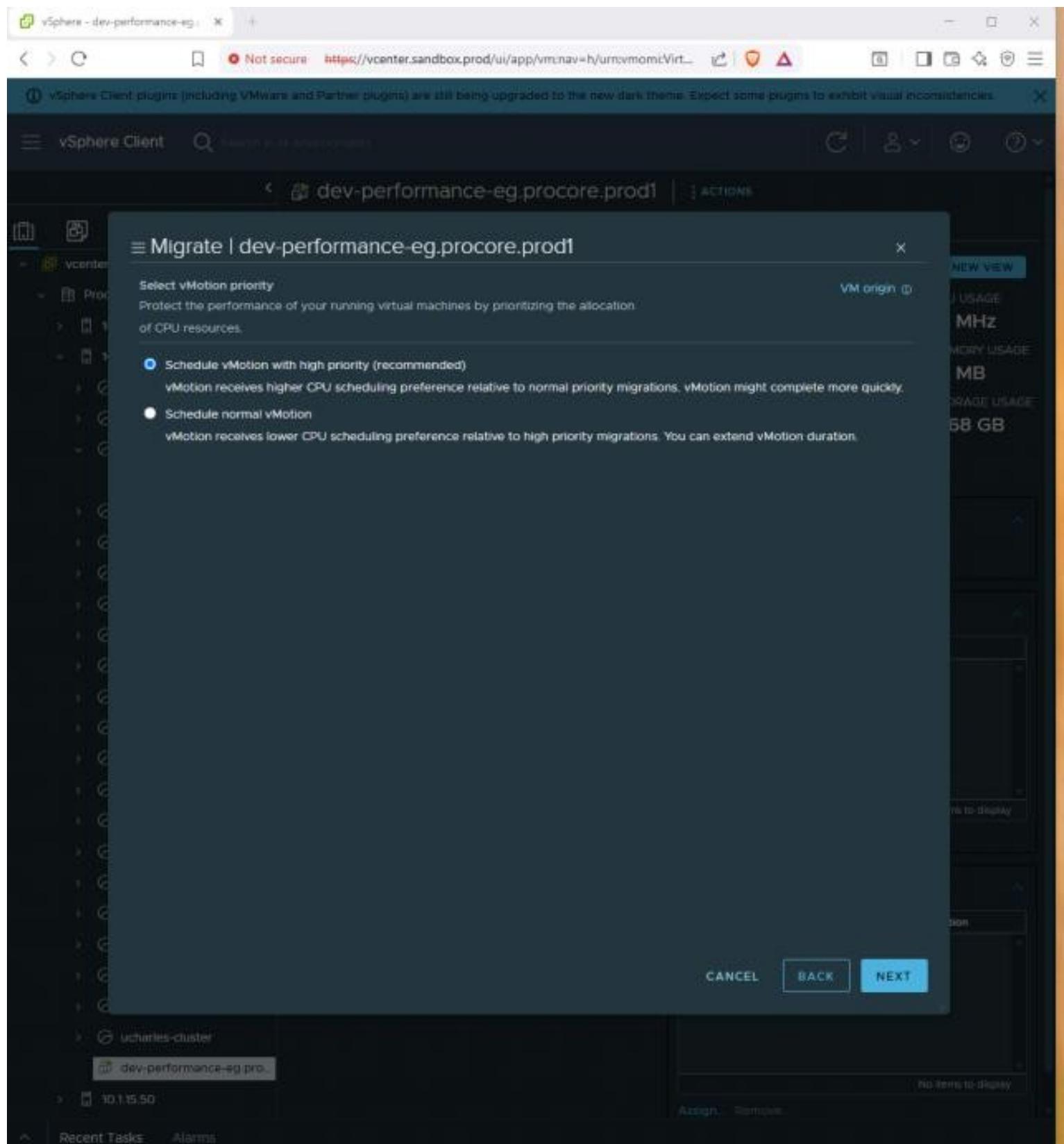
The screenshot shows the VMware vSphere Client interface with the title bar "vSphere - dev-performance-eg.procore.prod1". The main window displays the "Migrate | dev-performance-eg.procore.prod1" dialog. The dialog has tabs for "Hosts", "Clusters", "Resource Pools" (which is selected), and "vApps". The "Resource Pools" tab shows a list of 21 items, each with a checkbox and a cluster name. One item, "egmundo-CLUSTER", is highlighted with a white background and black border. Below the table, there is a "Compatibility" section showing details for "dev-performance-eg.procore.prod1" at IP 10.1.10.90, which includes a warning about an ISO image being unaccessible. At the bottom right of the dialog are "CANCEL", "BACK", and "NEXT" buttons. The status bar at the bottom of the client window shows "Recent Tasks" and "Alarms".

Name	CPU Res.	CPU Limit	CPU Alloc.	CPU Share	CPU Share	Memory
alopez-cluster	0	Unlimited	Expendable	Normal	0	0
DTurner-CLUSTER	0	Unlimited	Expendable	Normal	0	0
egmundo-CLUSTER	0	Unlimited	Expendable	Normal	0	0
egiron-cluster	0	Unlimited	Expendable	Normal	0	0
JKEOWN-CLUSTER	0	Unlimited	Expendable	Normal	0	0
kgates-cluster	0	Unlimited	Expendable	Normal	0	0
kgrant-cluster	0	Unlimited	Expendable	Normal	0	0
kheyne-cluster	0	Unlimited	Expendable	Normal	0	0
MBOYLAN-CLUSTER	0	Unlimited	Expendable	Normal	0	0
MCLOW-CLUSTER	0	Unlimited	Expendable	Normal	0	0
New Resource Pool	0	Unlimited	Expendable	Normal	0	0
PSEKAR2-CLUSTER	0	Unlimited	Expendable	Normal	0	0
qd-cluster	0	Unlimited	Expendable	Normal	0	0
rbatista-cluster	0	Unlimited	Expendable	Normal	0	0
Slesperance-CLUSTER	0	Unlimited	Expendable	Normal	0	0
twainwau-cluster	0	Unlimited	Expendable	Normal	0	0

“VMware vSphere Client ‘Migrate’ wizard showing network selection and validation for virtual machine migration.”

The screenshot shows the VMware vSphere Client interface with the title bar "vSphere - dev-performance-eg" and the URL "https://vcenter.sandbox.prod/ui/app/vm:nav=h/urn:vmomi:Virt...". A message at the top states: "vSphere Client plugins (including VMware and Partner plugins) are still being upgraded to the new dark theme. Expect some plugins to exhibit visual inconsistencies." The main window displays the "Migrate | dev-performance-eg.procore.prod1" dialog. The "Select networks" step is shown, with the instruction "Select destination networks for the virtual machine migration." Below this is a table titled "Migrate VM networking by selecting a new destination network for all VM network adapters attached to the same source network." The table has three columns: "Source Network", "Used By", and "Destination Network". One row is listed: "YT-intran-VLAN" under "Source Network" and "Used By" (1 VMs / 1 Network adapters), and "YT-intran-VLAN" under "Destination Network". Below the table, it says "YT-intran-VLAN is in use at:" and lists "dev-performance-eg.procore.prod1" with "Network Adapter 1" and "YT-intran-VLAN". The "Compatibility" section shows a warning: "Device 'CD/DVD drive 1' uses backing '[datastore-40-1] ISO images/CentOS-7-x86\_64-Minimal-1810.iso', which is not accessible." At the bottom right of the dialog are "ADVANCED >>" and "NEXT" buttons. The left sidebar shows navigation items like "vCenter", "Pro", and "10.115.50". The bottom navigation bar includes "Recent Tasks", "Alarms", "Assign", and "Remove".

“VMware vSphere Client ‘Migrate’ wizard showing vMotion priority selection for virtual machine migration.”



“VMware vSphere Client ‘Migrate’ wizard showing the final review and confirmation details before completing a virtual machine migration.”

The screenshot shows the VMware vSphere Client interface with the 'Migrate' wizard open. The title bar reads 'vSphere - dev-performance-eg.procore.prod1'. The main window displays a summary of the migration settings:

Migration Type	Change compute resource. Leave VM on the original storage
Virtual Machine	dev-performance-eg.procore.prod1
Host	10.1.10.90
Resource Pool	egarrido-CLUSTER
vMotion Priority	High
Networks	No network reassignments

Below the table, there is a note: 'Verify that the information is correct and click Finish to start the migration.' At the bottom right of the dialog are three buttons: 'CANCEL', 'BACK', and 'FINISH'.

The left sidebar shows the navigation tree with 'vcenter' selected. The bottom navigation bar includes 'Recent Tasks' and 'Alarms'.

“Linux terminal session updating the system hostname using hostnamectl and verifying the change.”

The screenshot shows a web browser window with a terminal session. The title bar says "vSphere - dev-performance-eg.procore.prod1" and the address bar shows "dev-performance-eg.procore.prod1". The content area displays a Linux root shell session:

```
[root@dev-performance-eg ~]# hostnamectl set-hostname dev-performance-eg3.procore.prod1
[root@dev-performance-eg ~]# hostname
dev-performance-eg3.procore.prod1
[root@dev-performance-eg ~]# _
```

“VMware vSphere Client virtual machine Actions menu showing available management options such as power control, snapshots, migration, and console access.”

The screenshot shows the VMware vSphere Client interface for managing a virtual machine named "dev-performance-eg3.procore.prod1". The left sidebar displays the vSphere inventory, including datacenters, clusters, hosts, and datastores. The main pane shows the virtual machine details: Guest OS is CentOS 7 (64-bit), Compatibility is ESXi 6.7 and later (VM version 14), and various tools are running. The "Actions" tab is selected in the top navigation bar. A context menu is open, listing various management actions: Power, Guest OS, Snapshots, Open Remote Console, Migrate..., Clone, Fault Tolerance, VM Policies, Template, Compatibility, Export System Logs..., Edit Settings..., Move to folder..., Rename..., Edit Notes..., Tags & Custom Attributes, Add Permission..., Alarms, Remove from Inventory, Delete from Disk, and VSAN. To the right of the Actions menu, there are sections for Notes, Custom Attributes, and Tags.

vSphere - dev-performance-eg3.procore.prod1

Not secure https://vcenter.sandbox.prod/ui/app/vmnav=h/urn:vmmomi:VirtualMachine

vSphere Client

dev-performance-eg3.procore.prod1 | ACTIONS

Summary Monitor Configure Permissions Datastores Networks Snapshots

SWITCH TO NEW VIEW

Guest OS: CentOS 7 (64-bit)  
Compatibility: ESXi 6.7 and later (VM version 14)  
vare Tools: Running, version 10361 (Current)

MORE INFO  
Name: dev-performance-eg3.procore.prod1  
IP addresses: 10.130.251  
VIEW ALL 3 IP ADDRESSES

CPU USAGE: 39 MHz  
MEMORY USAGE: 81 MB  
STORAGE USAGE: 7.68 GB

Notes  
Edit Notes...

Custom Attributes  
Attribute Value

No items to display

Edit...

Tags  
Assigned Tag Category Description

No items to display

Assign... Remove...

Actions - dev-performance-eg3.procore.prod1

- Power
- Guest OS
- Snapshots
- Open Remote Console
- Migrate...
- Clone
- Fault Tolerance
- VM Policies
- Template
- Compatibility
- Export System Logs...
- Edit Settings...
- Move to folder...
- Rename...
- Edit Notes...
- Tags & Custom Attributes
- Add Permission...
- Alarms
- Remove from Inventory
- Delete from Disk
- VSAN

Recent Tasks Alarms

“VMware vSphere Client virtual machine summary view confirming power state, hostname, resource usage, and datastore assignments.”

The screenshot shows the VMware vSphere Client interface for a virtual machine named "dev-performance-eg3.procore.prod1". The interface includes a left sidebar with a tree view of vCenter sandboxes and clusters, and a main summary pane with tabs for Summary, Monitor, Configure, Permissions, Datastores, Networks, and Snapshots. The Summary tab is selected, displaying details such as Guest OS (CentOS 7 (64-bit)), Compatibility (ESXi 6.7 and later (VM version 14)), VMware Tools (Running, version 10361 (Current)), DNS Name (dev-performance-eg3.procore.prod1), IP Addresses (10.1.30.251), Host (10.1.10.90), and resource usage metrics (CPU: 39 MHz, Memory: 81 MB, Storage: 7.68 GB). The main pane also shows VM Hardware, Related Objects (Host, Resource pool, Networks, Storage), Compute Policies, and VM Storage Policies. The right side of the screen features a notes section and a custom attributes table.

vSphere - dev-performance-eg3.procore.prod1 | dev-performance-eg3.procore.prod1 | dev-performance-eg3.procore.prod1

Not secure https://vcenter.sandbox.prod/ui/app/vm/nav=h/urn:vmmomi:VirtualMachine:vm-2354:f095ce46-59d5-4b1e-ba75-05bb55ea0... ↻ 🔒 ⚡

vSphere Client Search in all environments egarrido@procore.dev

dev-performance-eg3.procore.prod1 | ACTIONS

SWITCH TO NEW VIEW

VMware vSphere Client

Summary Monitor Configure Permissions Datastores Networks Snapshots

Guest OS: CentOS 7 (64-bit)  
Compatibility: ESXi 6.7 and later (VM version 14)  
VMware Tools: Running, version 10361 (Current)  
MORE INFO  
DNS Name: dev-performance-eg3.procore.prod1  
IP Addresses: 10.1.30.251  
VIEW ALL 3 IP ADDRESSES  
Host: 10.1.10.90

CPU USAGE 39 MHz  
MEMORY USAGE 81 MB  
STORAGE USAGE 7.68 GB

VM Hardware

Related Objects

Host: 10.1.10.90  
Resource pool: egarrido-CLUSTER  
Networks: YT-Intran-VLAN  
Storage: datastore-40-1  
OS-01

Compute Policies

VM Storage Policies

Notes

Edit Notes

Custom Attributes

Attribute	Value
No items to display	

Edit...

Tags

Assigned Tag	Category	Description
No items to display		

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## **Summary**

Provisioned a new virtual machine in VMware vSphere by deploying from an existing template and completing the full configuration workflow. Selected the appropriate data center, compute cluster, datastore, and network, then reviewed and finalized deployment settings. Verified successful VM creation, power state, and resource allocation in the vSphere Client. Configured networking using nmcli, validated assigned IP addresses against the IPAM spreadsheet, and confirmed connectivity. Updated and verified the system hostname to align with naming standards. Performed a live migration (vMotion) by selecting destination compute resources, validating network configuration, setting migration priority, and completing the migration. Confirmed post-migration VM status, resource usage, network, datastore assignments, and management options through the vSphere Client.