

# vSphere 6.5 changes from 6.0

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# Lots

- Changes are generally aimed at managing larger installations
  - Most of this has not been tested due to lack of hardware and resources for using these features
- For further information read about all changes at:
  - <http://www.vmware.com/go/vsphere65whatsnew>
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# User interface options

- vCenter Client (deprecated)
  - Windows only
- ESXi Web Interface
- vCenter Server 6.5
  - Targets deployments with 100+ VMs
  - Enables vSphere Web Client
  - Windows Server
- Needs Windows Server installation with 8GB RAM.
- vCenter Server Appliance
  - Ready made Linux Appliance
  - Has system requirements like the Windows Server version.


# VMware vCenter Server

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 user information for 'Administrator@VSPHERE.LOCAL'. The left sidebar shows a tree view of the environment, with 'Server' selected under the '192.168.10.10' host. The main content area is titled 'Server' and shows the 'Summary' tab. It includes a 'Powered On' status indicator, a 'Launch Remote Console' button, and a list of system details: Guest OS (Debian GNU/Linux 9 (64-bit)), Compatibility (ESXi 6.5 and later (VM version 13)), VMware Tools (Running, version:10277 (Guest Managed)), DNS Name (server), IP Addresses (192.168.10.22), and Host (192.168.10.10). On the right, resource usage is shown: CPU Usage (0 Hz), Memory Usage (0 B), and Storage Usage (5.61 GB). Below the summary, there are sections for 'VM Hardware', 'Related Objects' (listing Host, Networks, and Storage), 'Notes', and 'Custom Attributes'. At the bottom, the 'Recent Tasks' tab is active, showing a table of tasks.

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time
Power On virtual machine	Juliet	The operation is not allowed in the current state of the host.	VSPHERE.LOCAL\Administrat...	7 ms	09/25/2017, 2:26:29 PM	09/25/2017, 2:26:29 PM
Initialize powering On	Datacenter	Completed	VSPHERE.LOCAL\Administrat...	8 ms	09/25/2017, 2:26:29 PM	09/25/2017, 2:26:29 PM
Power On virtual machine	Romeo	The operation is not allowed in the current state of the host.	VSPHERE.LOCAL\Administrat...	11 ms	09/25/2017, 2:26:26 PM	09/25/2017, 2:26:26 PM

vCenter HTML5 interface

# Host management

 ESXi-master-Q3 - Copy Settings to Host Profiles

✓ 1 Select settings

✓ 2 Select target host profiles

**3 Ready to complete**

Ready to complete

Review your settings selections before finishing the wizard.

Target host profiles:

Vendor-A-gen3-blades

Vendor-A-gen4-rackmount

Vendor-B-local-ssd

**Vendor-B-stateless-10gb**

Settings:

General System Settings

Date and Time Configuration

**Date and time configuration**

Security and Services

Security Settings

Security

User Configuration

Old values:

Time settings

Configure a fixed NTP configuration

List of time servers, specified as either IP addresses or fully qualified domain names (FQDNs).

10.136.0.253

New values:

Time settings

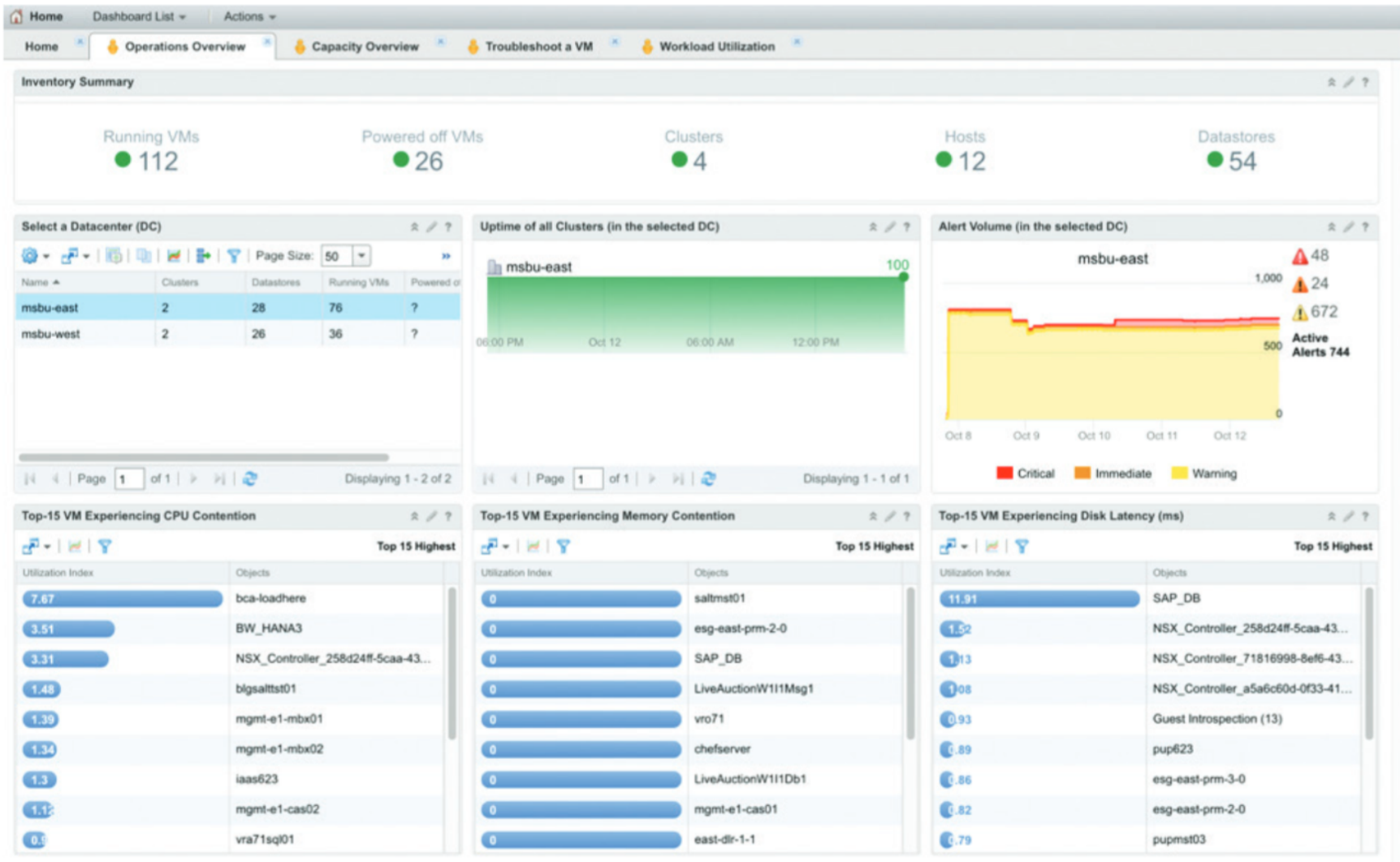
Configure a fixed NTP configuration

List of time servers, specified as either IP addresses or fully qualified domain names (FQDNs).

10.136.0.241

Host profiles view

# Operations Management

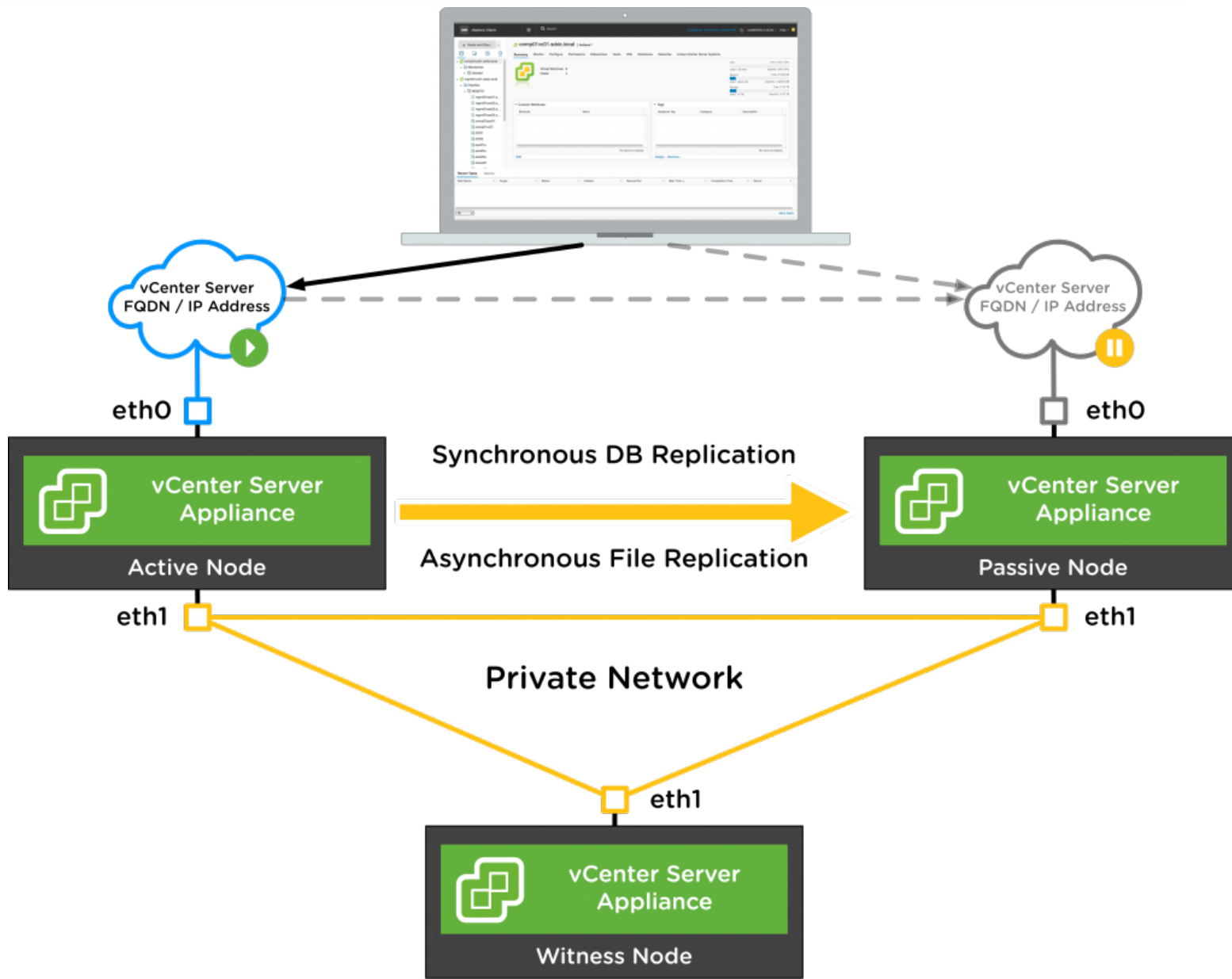


vRealize dashboard

# Something new

- Web Client (HTML 5)
- Cross-Cloud vMotion
- Rest API
- vCenter HA
- vCenter Native Backup

# vCenter HA





# Some differences

vRAM 4TB -> 6TB per VM

CPUs 480 -> 576 per VM

1000 hosts -> 2000 hosts

10000 VMs -> 25000 VMs

# Security

- Virtual Machine Encryption
- Encrypted vMotion
- vSphere Integrated Containers

# Questions?

