

Feature	VMware vSphere	Nutanix Acropolis
Hyper-Converged Solution	EVO:Rail/EVO SDDC	Nutanix XCP, Dell XC (Lenovo announced).
Software-Defined Storage	Virtual SAN (FT1/FT2)	Acropolis DSF (RF2/RF3) and Availability Domains (Block-level).
Hypervisor	ESXi	AHV (Acropolis Hypervisor - based upon CentOS KVM).
Operations Management	vCenter Server	Prism Element with the Acropolis Mobility Fabric UI (Distributed System embedded in CVMs). Prism Central aggregates all Prism Elements into one UI.
Licence Levels	vSphere Enterprise Plus per CPU, vCenter Server Standard per Instance	Nutanix Starter (included with hardware purchase), PRO or Ultimate per Cluster.
Business Continuity and Security	vSphere vMotion	Live Migration (2 concurrent between the same Source and Destination hosts).
	Storage vMotion	Inherent within the same Container (ILM, Data Locality and Disk Balancing). No, for different Containers.
	vSphere HA - Host HA	VM-HA Best Effort or Guarantee Mode - Admission Control - Memory only with Reserved Host or Reserved Segments.
	vSphere HA - VM HA	No.
	vSphere HA - Application HA	No.
	Data Protection (including VADP)	Image-level inherent within the same cluster. Physically separate image-level backups via Asynchronous snapshot replication to Cloud or other Nutanix clusters. Commvault Simpana has announced they will support an API integrated AHV in the future.
	vSphere FT	No.
	vShield Endpoint	No.
	vSphere Replication	Protection Domains with Asynchronous Replication to Remote Sites of VM Snapshots.
	STIG	Yes.
	Hot Add	Yes (for vNIC and vDisk).
Resource Prioritisation and Enhanced Application Performance	Virtual Volumes	N/A (ADSF native clusters).
	Storage Policy-Based Management	Container-level policies (Replication Factor, Performance Tier/Capacity Tier DeDedupe, Inline/Offline Compression and Erasure Coding) and per-vDisk policies.
	Reliable Memory	No.
	Big Data Extensions	No.
	Virtual Serial Port Concentrator	No.
	vSphere DRS	Initial Placement on Power-On Only (CPU and RAM).
	vSphere DPM	N/A (all cluster hosts must be powered on for Acropolis DSF to function).
	vSphere EVC	Yes (Automatic).
	Storage DRS	Inherent (ILM, Data Locality and Disk Balancing).
	Storage I/O Control	No (CVM to DAS via SCSI HBA PassThrough does not require SIOC). No VM Disk shares.
	Network I/O Control	No (need to physically separate traffic types if required - Open vSwitch supports QoS, which has not been integrated with Acropolis yet).
	SR-IOV	No.
	Flash Read Cache	Inherent (NDSF ILM - AutoTiering and VM Flash).
	NVIDIA GRID vGPU	No.
Automated Administration & Provisioning	Content Library	Yes (NFS Container per Cluster is the ISO repository).
	VAAI	N/A (Snaps and Clones offloaded to ADSF).
	vSphere Standard Switch	Open vSwitch with IPAM (VXLAN & OpenFlow rules to the DHCP server on the Acropolis Master instance) and Linux Bridge for CVM to AHV private network. AMF has Network UI functionality for Bridge 0, but additional bridges need to be manually configured via CLI.
	vSphere Distributed Switch	No (AMF UI is heading in this direction, but is not there yet).
	Host Profiles	Yes, for same cluster. No, for cross cluster.
	AutoDeploy	N/A (Foundation installs AHV and the CVM to the SATADOM USB Flash).
	vRealize Orchestrator	No (each Prism Element has REST-API interface but you need an external orchestrator for workflows).
Storage Protocols	FC, FCoE, NFS & iSCSI	iSCSI (AHV and in-Guest via Volumes API) and NFS (for ISO Repository, VM Migrations and Free-Space Reservations).
Hybrid Cloud Support	vCloud Air Integration	Cloud Connect to AWS and Azure for off-site VM Snapshot storage.
Updates	vSphere Update Manager	One Click Upgrades via Prism for Acropolis-base Image and AHV.
Guest OS Integration	VMware Tools	VirtIO for Windows OS, native support for Linux OS.
OpenStack Integration	VMware Integrated OpenStack	Nutanix OpenStack Services VM (OVM - announced, but not released).
NUMA	vNUMA	No, make sure all VMs fit within the NUMA boundaries of each node.
Management Appliance	vMA	A CVM can be used to execute CLI on all CVMs and hosts within the cluster via the "allssh" command or use the nCLI client from an Administrator's desktop.
Support Assistant	vSA	Nutanix Pulse and Remote Support.
Power Shell	PowerCLI	Nutanix PowerShell Commandlets.
Single Sign-On and Inventory	SSO/PSC	Each Cluster supports LDAP integration and manages its own inventory.
Logging	vCenter Server Syslog/vRealize LogInsight	No (need a third party logging solution like Splunk or Graylog).