## HPE Corpheus VM Essentials

Adapt our virt ratio tack was an eye to the future

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#### Today's realities are paralyzing virtually every enterprise

3 to 5x
cost increase
due to lock-in, forced
bundling, and VM sprawl

Forcing new strategic plans need to support current workloads and new runtimes

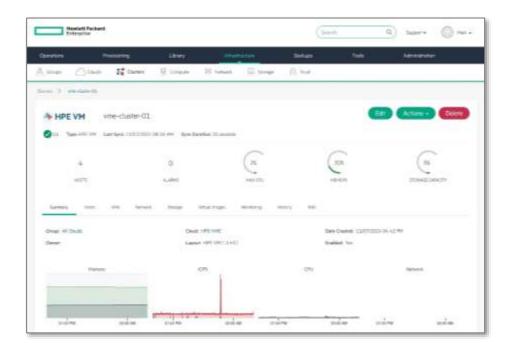
Leading to complexity more apps, more formats, more places... same team

"I'm evaluating options, but it will take 2 years to deal with VMware while I also adjust our container strategy, figure out AI, and re-evaluate public cloud, Oh yeah... and I'm not getting any new people to help."

## HPE Morpheus VM Essentials Software to unify VMware & HPE VME hypervisor

- Reduce costs with HPE VM Essentials integrated hypervisor Featuring core capabilities to diversity VM estates including storage optionality (local, NFS, iSCSI, Fibre Channel), distributed workload placement, VM HA and live migration, data protection via snapshots and native backup, and DR with Zerto\*
- Simplify management across VMware and HPE
  Connect existing VMWare® clusters for management and VM-vending into ESXi and
  HPE VME hypervisor from one interface. Also includes IPAM and DNS integration,
  automation execution, secrets management, and VMWare to KVM image conversion
- Future-proof IT with flexible consumption & upgrade paths Available as standalone software and integrated into HPE Private Cloud. Customers can upgrade to full Morpheus PlatformOps for hybrid cloud management, K8s support, governance, and FinOps capabilities
- Lower risk with enterprise-grade support & ecosystem

  Building on a proven KVM core, HPE VM Essentials includes HPE's enterprise-class
  global support. HPE is working with its ecosystem of ISVs to expand HPE VME
  hypervisor certification and support for Data Protection, VDI, ERP, etc.



## Morpheus Enables Hybrid Cloud Platform Operations

Hybrid Cloud, DevOps, Internal Development Platforms Are All About Self-Service... and so Is Morpheus

#### Provision Any Workload Into Any Cloud On-Demand

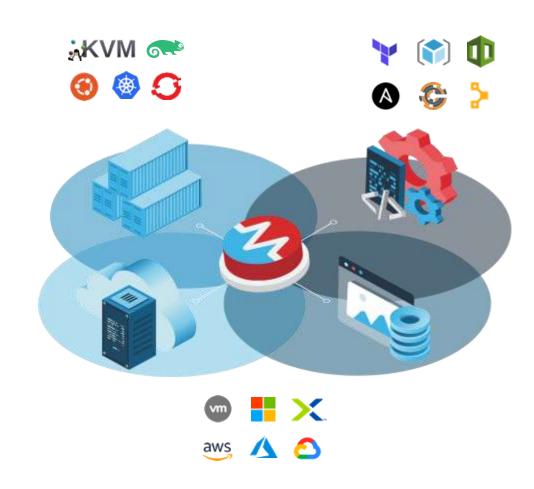
Orchestrate the tools and dependencies to enable catalogue deployment and management of VMs (laaS / VMaaS), containers (CaaS), services (DBaaS / PaaS), app stacks, and cloud services.

#### Simplify Runtime Deployment for Flexibility and Choice

Push button deployment and management of Virtualization and Kubernetes Clusters plus cloud-managed EKS, AKS, GKE. Extend with brownfield of 3rd Party K8s like SUSE, OpenShift, etc.

#### Lower Cloud Cost with Visibility and Optimization

Discover brownfield on-prem and public cloud instances, optimize resource use with analytics and rightsizing, enforce budgets policy, enable show back, and centralize multi-cloud reporting.



#### HPE VM Essentials solution features

Multi-hypervisor support HPE VM Essentials enables simple provisioning and management of HPE VM Essentials and VMware virtual machines

Centralized identity & single sign-on (SSO) Enables external user authentication using Active Directory (AD) or LDAP. Optional SSO with Okta, OneLogin, Azure AD, or other SAML-enabled providers

#### IPAM integration

Integrate with external IP address management providers (Infoblox, phpIPAM, BlueCat) to automate the reservation of an IP address for the VM during the provisioning process

#### DNS integration

Integrate with external DNS providers (Infoblox, Microsoft DNS, BlueCat) to automate the creation of DNS records for a VM during the provisioning process

#### Provisioning automation

Execute Bash or PowerShell scripts during VM provisioning, to automate system bootstrapping operations

#### Day 2 automation

HPE VM Essentials supports the execution of Bash and PowerShell scripts on provisioned and discovered VMs

#### Secrets management

Securely store and retrieve secrets from the native secrets manager for use with the solution's task automation feature

#### HTML 5 virtual machine console

Access the dashboard of HPE VM Essentials and VMware virtual machines via the HTML 5 console



## HPE VM Essentials hypervisor features

#### HPE-validated hardware

The HPE VM Essentials hypervisor will be validated on HPE servers to deliver an optimal experience and provide hardware compatibility assurance

#### VM live migration

Migrate a running HPE VM Essentials virtual machine from one host to another within the same cluster with zero downtime

#### VM high availability

Automatically restart HPE VM Essentials virtual machines on another host in the same cluster in the event of an unexpected host failure within the cluster

#### Dynamic workload scheduler

Dynamically schedule the placement of HPE VM Essentials virtual machines within a cluster, based upon optimal workload distribution across the cluster

#### Storage migration

Migrate the virtual disks of a running HPE VM Essentials virtual machine from one storage datastore to another with zero downtime

#### VMware VM conversion

Convert existing VMware virtual machines to the HPE VM Essentials hypervisor using the native conversion feature within the HPE VM Essentials solution



## HPE VM Essentials hypervisor features

Virtual machine snapshots
Create and revert snapshots for HPE VM Essentials
virtual machines

Native data protection

Backup and restore HPE VM Essentials virtual machines

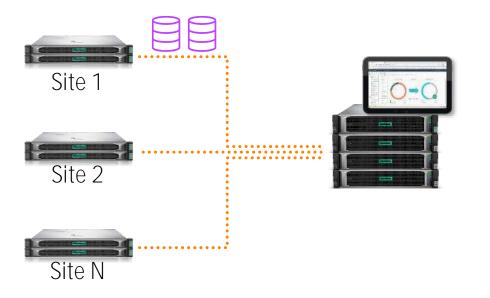
using the solution's native data protection feature

External storage support
The HPE VM Essentials hypervisor supports running virtual machines on external storage via iSCSI, NFS, and Fibre Channel

# HPE SimpliVity

HCI without compromise

All-in-one solution for edge to core workloads

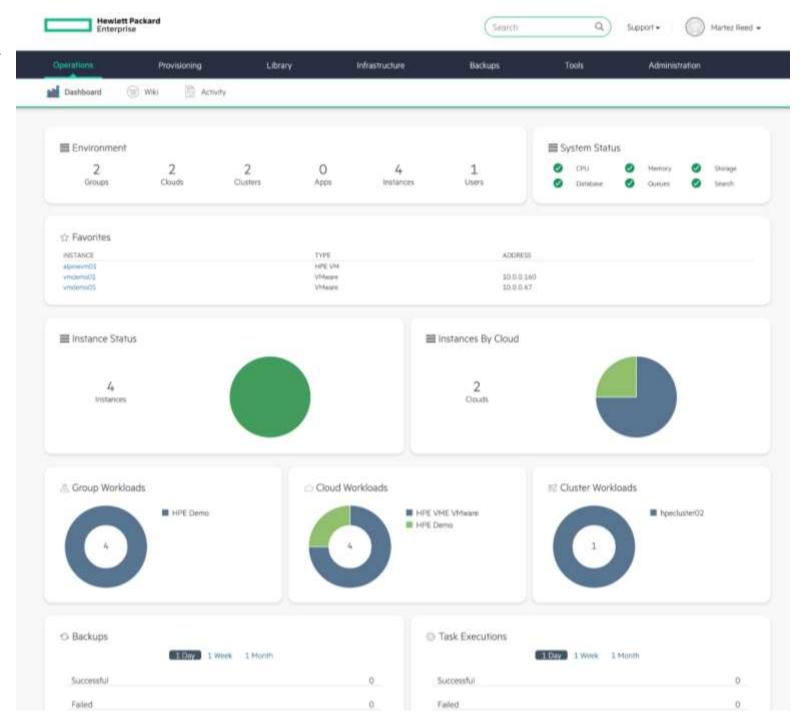


2-node High Availability

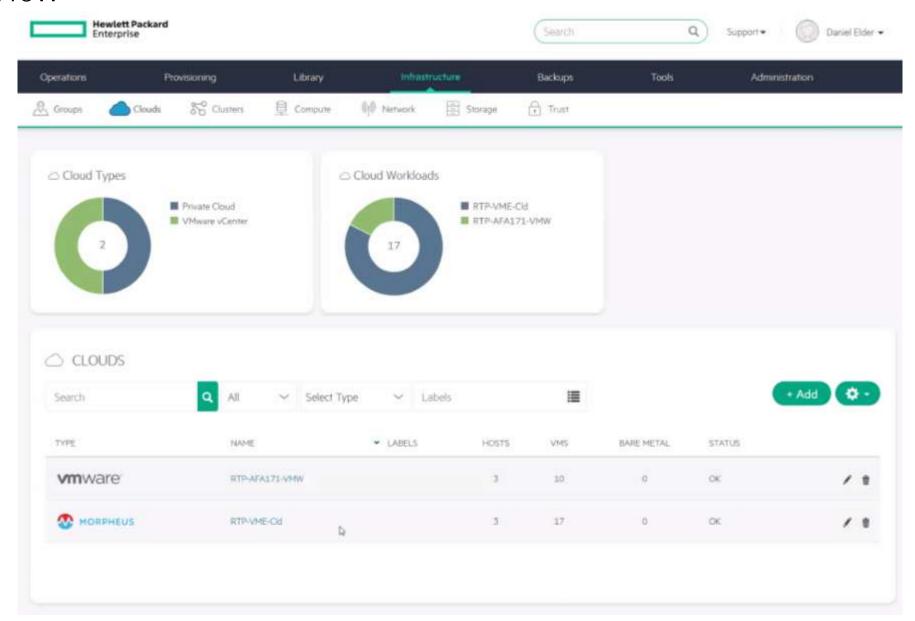
Built-in Data Protection

Hyper Efficiency

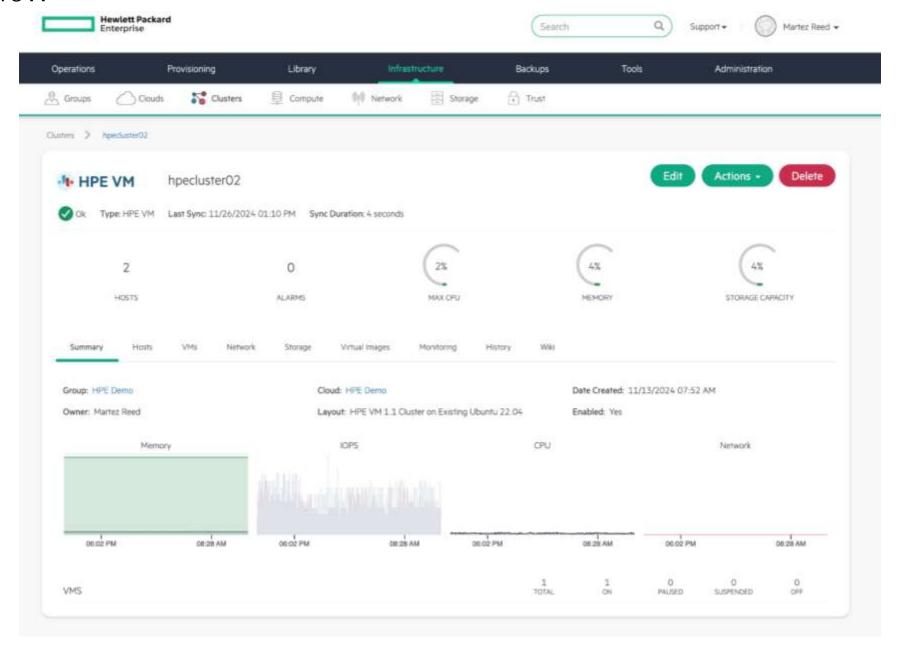
## Dashboard view



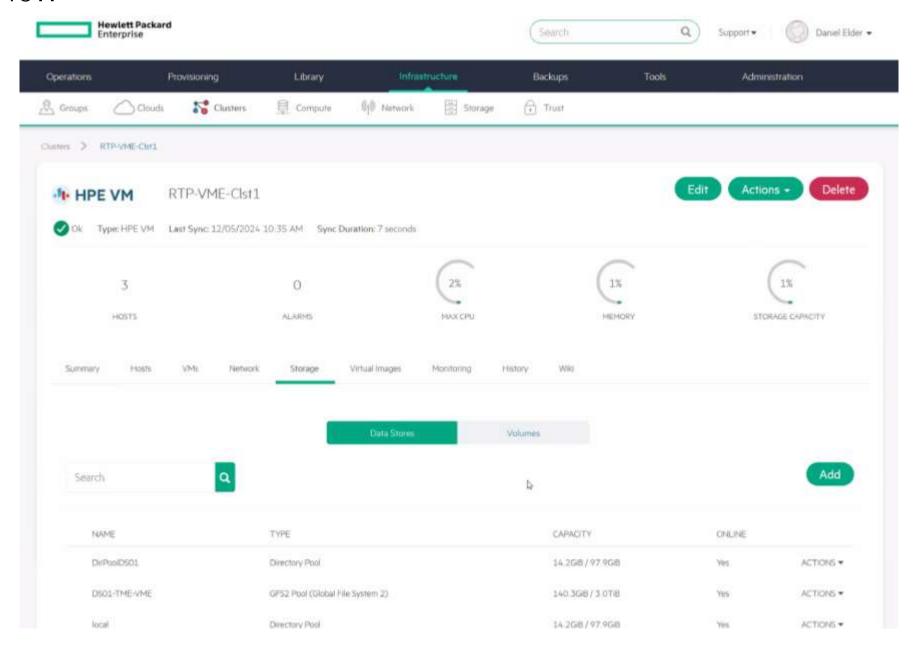
### Clusters view



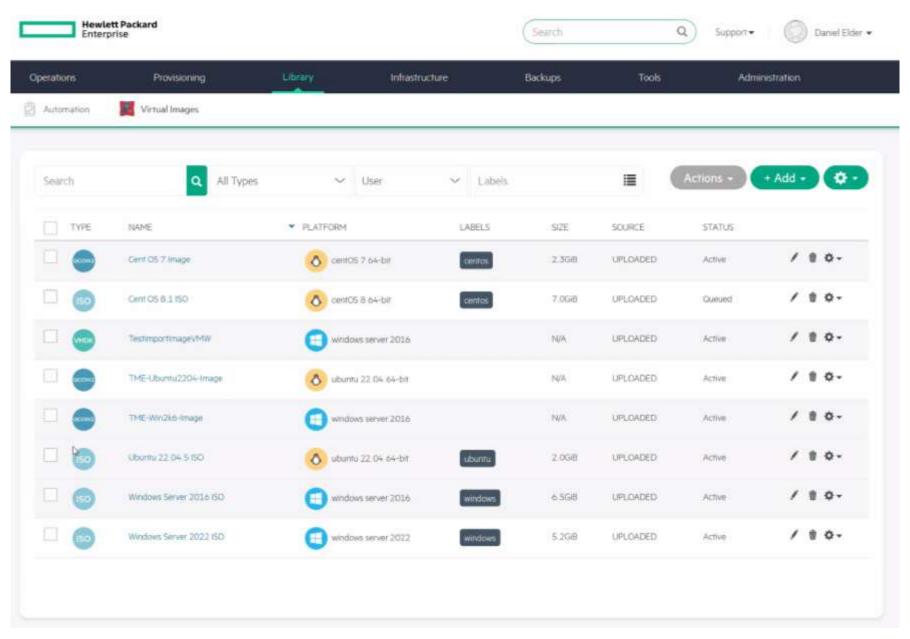
#### Clusters view



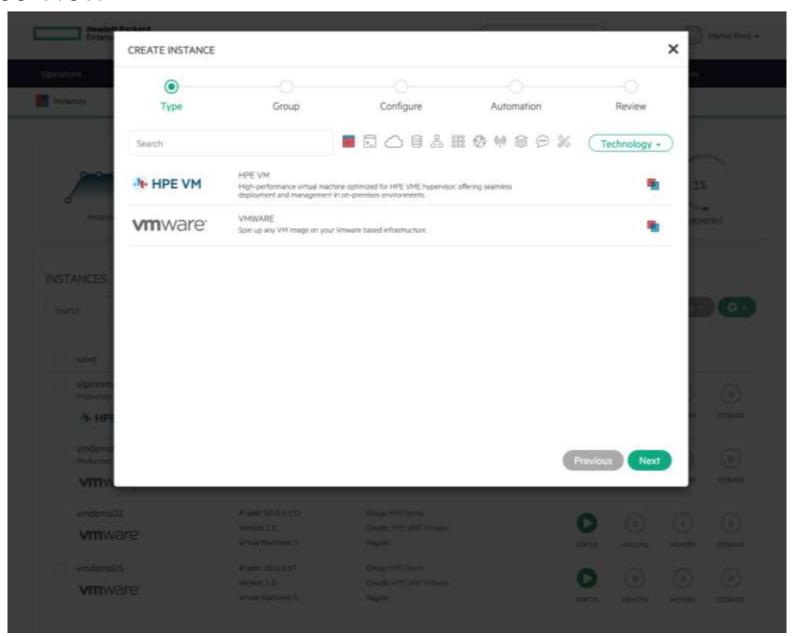
### Clusters view



## Images view



## Create Instance view



## Virtual Machine view

