



Connect

OpenShift Virtualization a gran escala con Ansible Automation Platform

La **automatización** que **impulsa** tu infraestructura





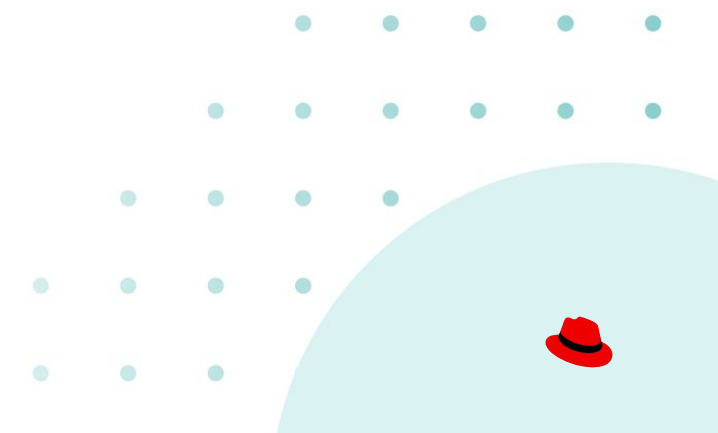
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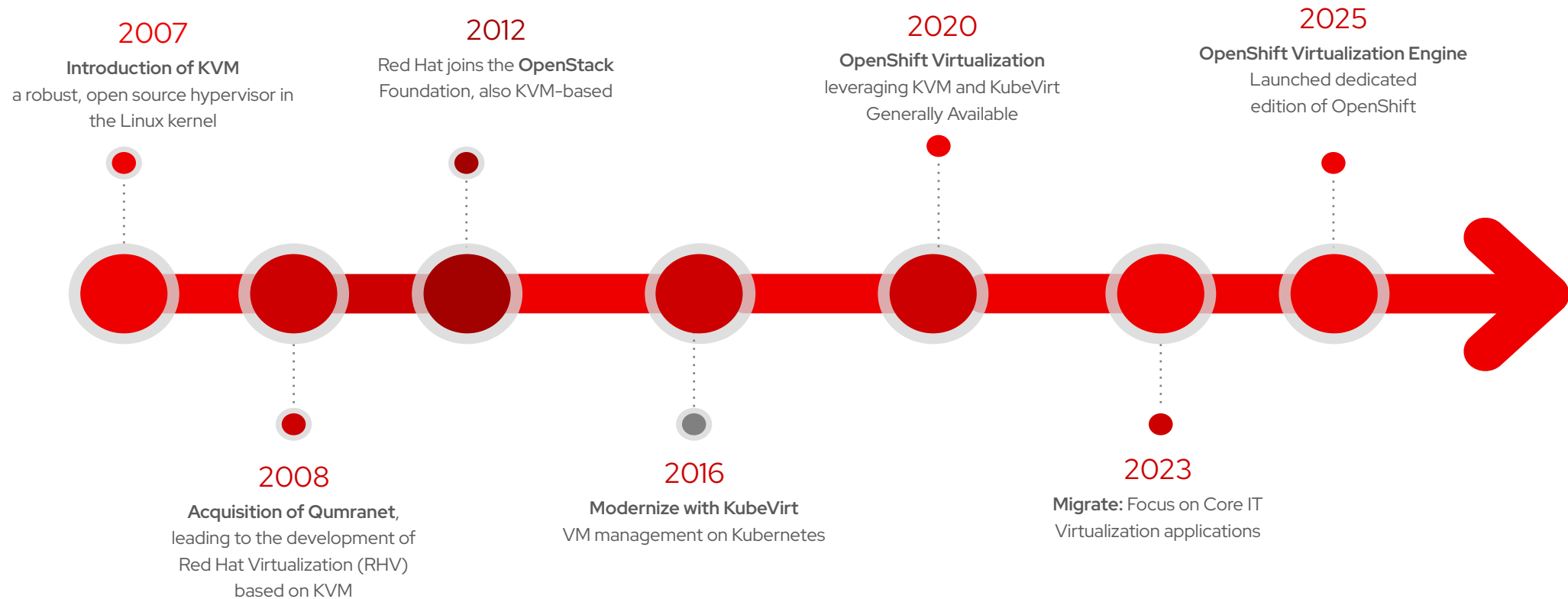


What we'll discuss today

- ▶ Ansible supporting OpenShift Virtualization
- ▶ Services approach for OpenShift Virtualization
- ▶ Demo time!
- ▶ Q&A

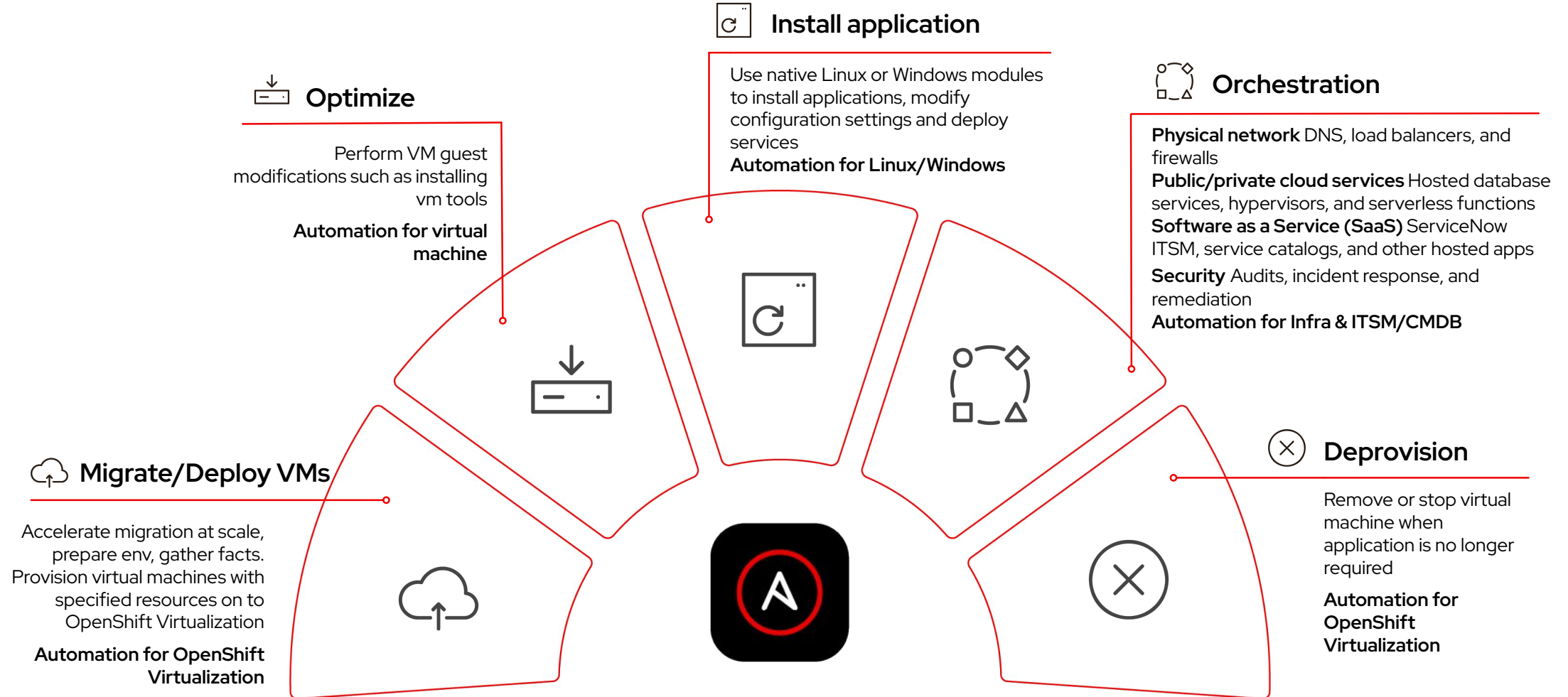
Virtualization @ Red Hat

Open Source driving KVM, RHEL, OpenStack and now OpenShift Virtualization



Ansible supporting Openshift Virtualization

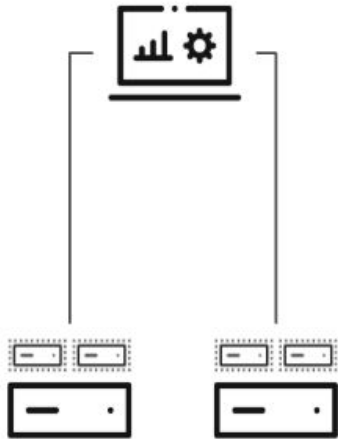




Ansible for OpenShift Virtualization

Provided by the `redhat.openshift_virtualization` collection

Red Hat OpenShift Virtualization



Virtual machines

Modules

Create, delete, and describe KubeVirt VirtualMachine resources

`kubevirt_vm`

○ Create or delete KubeVirt VirtualMachines

`kubevirt_vm_info`

○ Describe KubeVirt VirtualMachines

Plugins

Fetch running VirtualMachineInstances for one or more namespaces

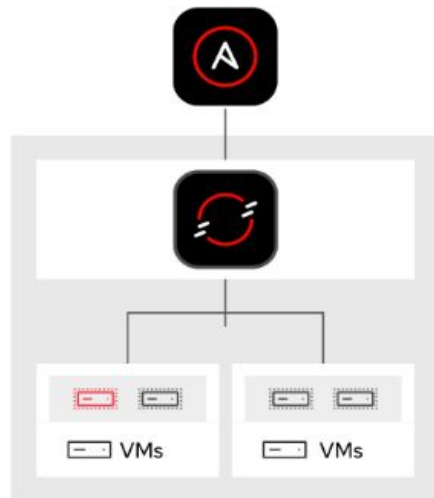
`kubevirt`

○ Inventory source for KubeVirt VirtualMachines



Ansible for OpenShift Virtualization

Provided by the `infra.openshift_virtualization_migration` and `infra.openshift_virtualization_ops` collection



`infra.openshift_virtualization_migration`

At a glance

aap_deploy	network_mgmt
bootstrap	operator_mgmt
mtv_mgmt	validate_migration
mtv_migrate	...and more!

`infra.openshift_virtualization_ops`

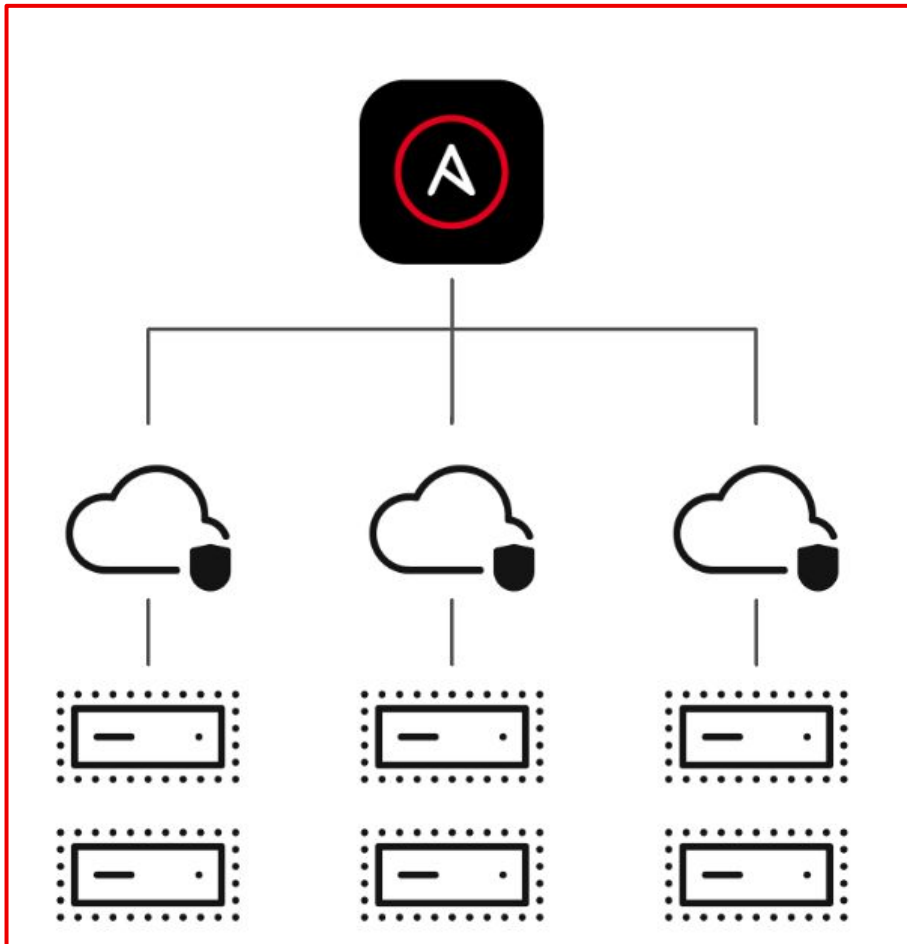
At a glance

vm_backup_restore	vm_lifecycle
vm_collect	vm_networking
vm_hot_plug	vm_patching



Ansible for OpenShift Virtualization

Integrated automation resources to manage the full lifecycle of Virtual Machines and environments

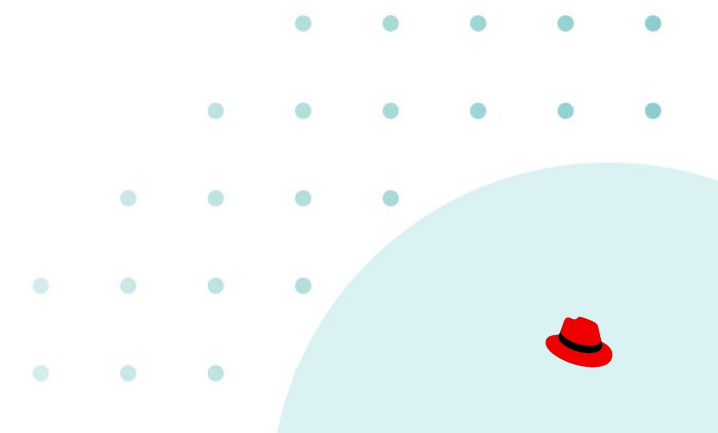


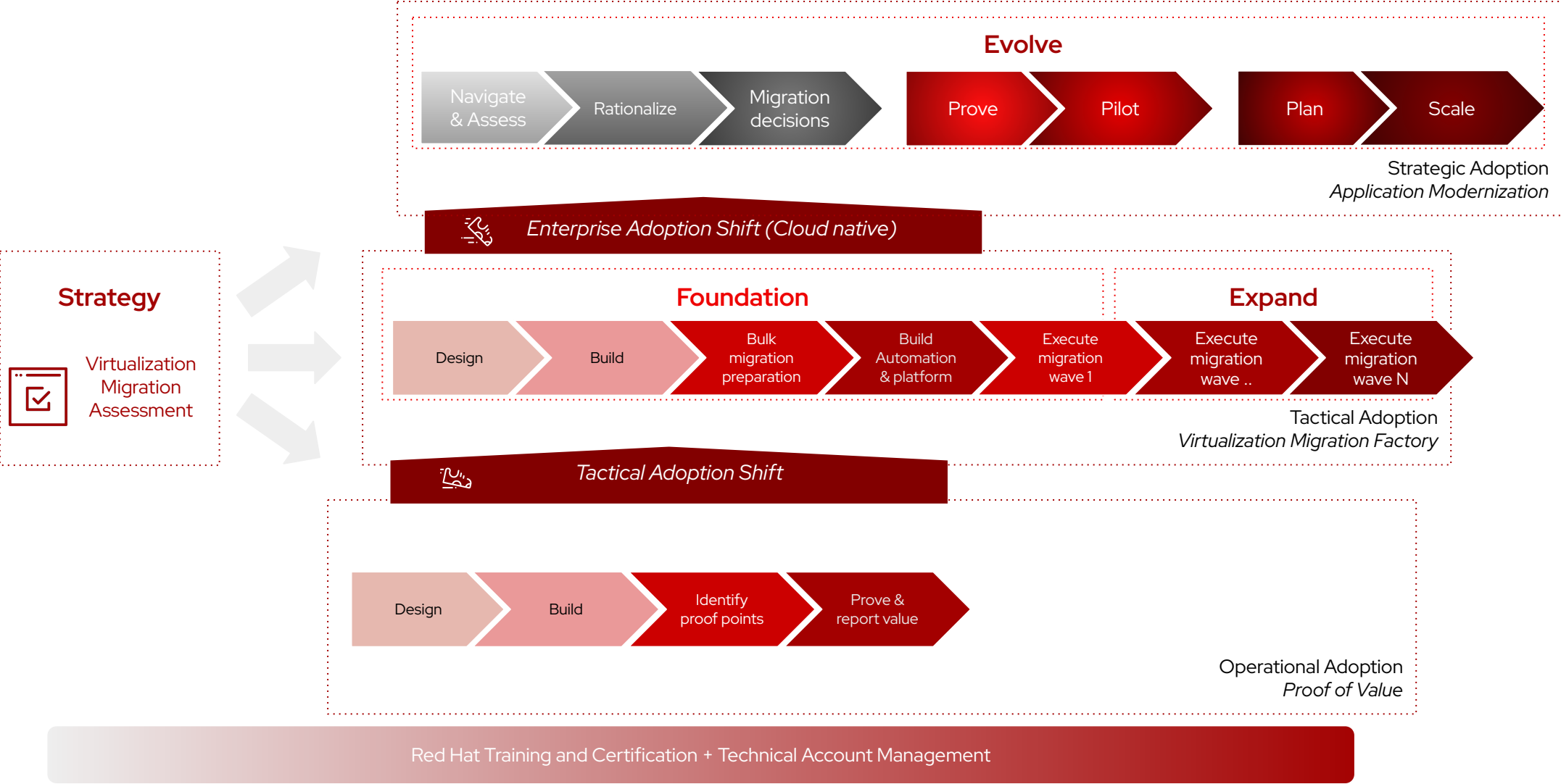
Available Integrations

- ▶ VMware
- ▶ OpenShift Virtualization
- ▶ Proxmox VE
- ▶ Nutanix
- ▶ Microsoft Hyper-V
- ▶ XenServer
- ▶ Libvirt/KVM/QEMU
- ▶ Azure
- ▶ AWS
- ▶ Google Cloud
- ▶ and more....



Services approach for Openshift Virtualization





Experience matters

How customers are engaging with us

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Tanobel
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impact

MULTI CHOICE
ENRICHING LIVES

UNIVERSITY OF
GOTHENBURG



81

VMAs in the
pipeline



606K+

Total VMs
discovered



350+

Migrated VMs per
day, per customer



250K+

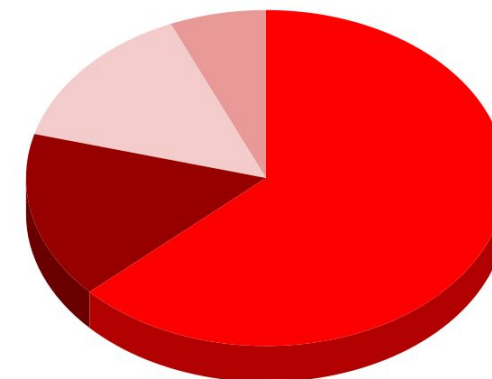
VMs in migration
(active or planned)



99%

VM migration
success rate

VM Migrations by Operating System



● RHEL ● Windows server ● Windows desktop ● Other Linux



Demo time!

Demo time!





Connect

Thank you



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