VMware Cloud Foundation 9.0 - Customer Journey Map - Build - Convert existing vSphere to VCF 9 with new VCF Operations

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USE-CASE DESCRIPTION

This journey map illustrates the workflow of converting a current environment consisting of VMware vSphere only into VMware vSphere Foundation using the VCF installer. This process deploys a new VCF Operations instance and connects the vCenter instance to it. Once deployed, existing vCenter instances can be added to the VCF Operations instance for a single pane of management.
This deployment can be licensed with either a VMware Cloud Foundation or a VMware vSphere Foundation license.

UI USED: VCF Operations | VCF Automation | vSphere | NSX Manager | VCF Business Services | Other (website, documentation, etc.)

CONDITIONS TO BE MET

Software requirements

Existing products must be at a minimum required version to be able to upgrade. Existing components being converted meet must meet key prerequisites:

- vCenter must not be part of ELM
- Components must not use IPv6
- Existing clusters must be VLCM based

Hardware resource requirements met

Existing hardware that will be reused meets resource sizing requirements and compatibility minimums.

Broadcom portal account

Customer has an active account on Broadcom Customer/Support portal to download binaries.

Licenses purchased and available

Sufficient VCF or VMware vSphere Foundation 9.0 cores have been purchased and are available in customer's Business Services account.

PLAN & PREPARE FOR VCF 9.0 DEPLOYMENT

UPGRADE vCENTER

Upgrade vCenter to 9.0

Under vCenter > Maintenance, plan, prepare and run vCenter upgrade to 9.0.

VI Admin | 1 hour

PREPARATION

Download VCF Installer

Download the VCF installer binary from Broadcom Support portal.

VI Admin | 1 hour | Support portal

Network and server configuration

Finalize and configure network entries, server configuration details.

VI Admin, Network, IT team | 1-2 weeks | Various

Install VCF installer 9.0 appliance

Deploy VCF installer OVA on existing vCenter by carefully selecting the host to deploy on.

VI Admin | 30 minutes

Configure depot connection in Installer

Configure online or offline depot connection for binary management. For dark sites, setup the VMware Download Tool and connect with VCF installer.

VI Admin | 30 minutes | VCF Installer

DEPLOY VCF 9.0

DEPLOY VCF 9.0

Download required VCF 9.0 binaries

In VCF installer, filter by VCF 9.0 and download the required install binaries.

VI Admin | 30 minutes | VCF Installer

Configure and deploy VMware vSphere Foundation

In VCF installer, use the deployment wizard or JSON spec to configure and deploy a new VCF Operations instance and import the upgraded vCenter. Installer runs validations and completes deployment.

VI Admin | 2 hours | VCF Installer

Verify deployment summary and review next steps

In VCF installer, review completed process. Review passwords, download JSON and get VCF Operations login info.

VI Admin | 5 minutes | VCF Installer

Milestone: VCF 9.0 is deployed

View inventory in VCF Operations

Log into VCF Operations and review the dashboard and inventory.

VI Admin | 15 minutes

LICENSE

Start license registration

Log into VCF Operations and start licensing workflow (scenario: Connected workflow).

VI Admin/IT Manager | 1 minute

Register VCF Operations and allocate licenses

Register VCF Operations with VMware Business Services account in the connected or disconnected mode. Allocate licenses to this VCF Operations.

VI Admin/IT Manager | 15 minutes

License vCenter

Under License Management, select the vCenter, and assign a VCF or vSphere Foundation license. Assign vSAN license if required. Verify net allocation and remaining cores.
This step licenses the VCF Operations as well.

VI Admin/IT Manager | 15 minutes

Milestone: VCF is licensed and ready to use!

ADD EXISTING VCENTER INSTANCES

PREPARE THE EXISTING VCENTER

Prepare vCenters

Ensure vCenters meet the minimum hardware and resource requirements.

VI Admin | 1 week | Various

Upgrade vCenter to 9.0

Under vCenter > Maintenance, plan, prepare and run vCenter upgrade to 9.0.

VI Admin | 1 hour

ADD VCENTER

Add vCenter to VCF Operations

Under Integrations, add each vCenter as a cloud account. Enable vCenter adapter for data collection

VI Admin | 30 minutes

License vCenter

Under License Management, select the vCenter instances and assign vSphere Foundation license.

VI Admin/IT Manager | 15 minutes

Milestone: Existing vCenters have been upgraded and connected into the VCF fleet.