

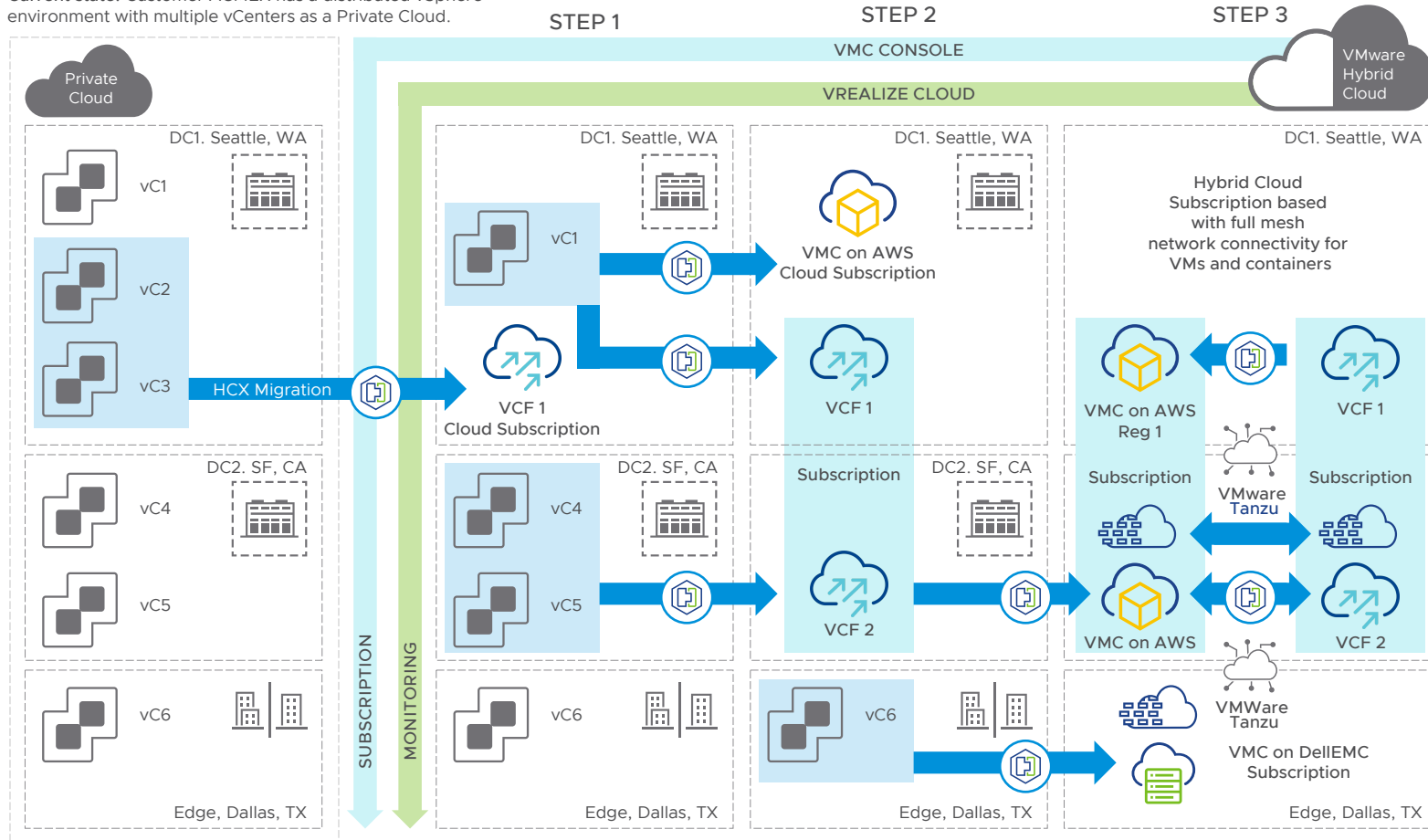
# VMware Cloud Universal

## Brownfield Reference Architecture

Customer: ACMEX



Current state: Customer ACMEX has a distributed vSphere environment with multiple vCenters as a Private Cloud.



### Step 1: Start VMware Cloud Universal Adoption with VCF

- Identify vCenters to be consolidated to VCF
- Upgrade perpetual licenses (vC2 and vC3) to VMC SPP Credits
- Get familiar with the VMC Console
- Use Subscription wizard in *VMC Console* to subscribe VCF to 1/3 yr and obtain license keys.
- Deploy VCF in DC1
- Register VCF deployments (via SDDC Manager) in the VMC Console
- Use HCX to migrate the workload from vCenters to VCF
- Activate vRealize Cloud to manage on-premises VCF:
  - Monitoring
  - Suggestion to the cloud migration

### Step 2: Standardize on VCF and start adoption of VMC on AWS

- Upgrade perpetual licenses (vC4 and vC5) to VMC SPP Credit for DC2
  - Use Subscription wizard in *VMC Console* to subscribe VCF to 1/3 yr and obtain license keys.
  - Deploy VCF in DC2
  - Register VCF deployments (via SDDC Manager) in the VMC Console
- Use HCX to migrate workload to VCF DC2.
  - Upgrade vC1 licenses to VMC SPP Credit
  - Use Subscription wizard to subscribe to VMC on AWS for 1/3 yr
  - Deploy SDDC (s) on VMware Cloud on AWS
- Use vR Cloud recommendation and migrate vC1 workload to VMC on AWS and VCF with HCX

### Step 3: Modern Hybrid Cloud with flexible Subscription management and containers

- Upgrade vC6 licenses to VMC SPP Credits
  - Use Subscription wizard in *VMC Console* to subscribe to VMC on Dell EMC
- Use NSX to build a hybrid cloud network
- Exchange subscriptions between VCF/VMC on AWS for flexible resource management
- Deploy VMC on AWS in the DC2 Region and connect to VCF in the DC2
- Use vR Cloud
  - Automation for provisioning and deployment
  - Full stack monitoring
- Use VMware Tanzu to manage containers on-premises and in the cloud

### Challenges

- Require to start a new project soon
- Would like to profit from public cloud services and resource optimization, but not confident to start with the cloud deployment
- Do not want to invest to CAPEX
- Need a flexibility to add the cloud part on the second deployment phase
- Require a scalable monitoring and automation tool
- Require management of multi-cloud container deployments

### VMware Cloud Universal Benefits

- Build a modern hybrid cloud with a flexible consumption model
- Start with a well known on-premises deployment with VCF
- Exchange part of VCF subscription to VMC on AWS when ready to start leveraging public cloud with no additional investment
- Profit from the OPEX operation model
- Flexible subscription management — easy subscription exchange between SDDC Providers (VCF, VMware Cloud on AWS, etc.)
- vR Cloud included at no cost in the VCF Subscription providing automation and workload placement
- VMware Tanzu enables support for container-based workloads in VMware MultiCloud