Organization and Projects
Create tenancy & team structures

Windows Server Active Directory ⟷ Integrated with IDP

ORGANIZATION
Cloud Admin

PROJECTS
Project Admin
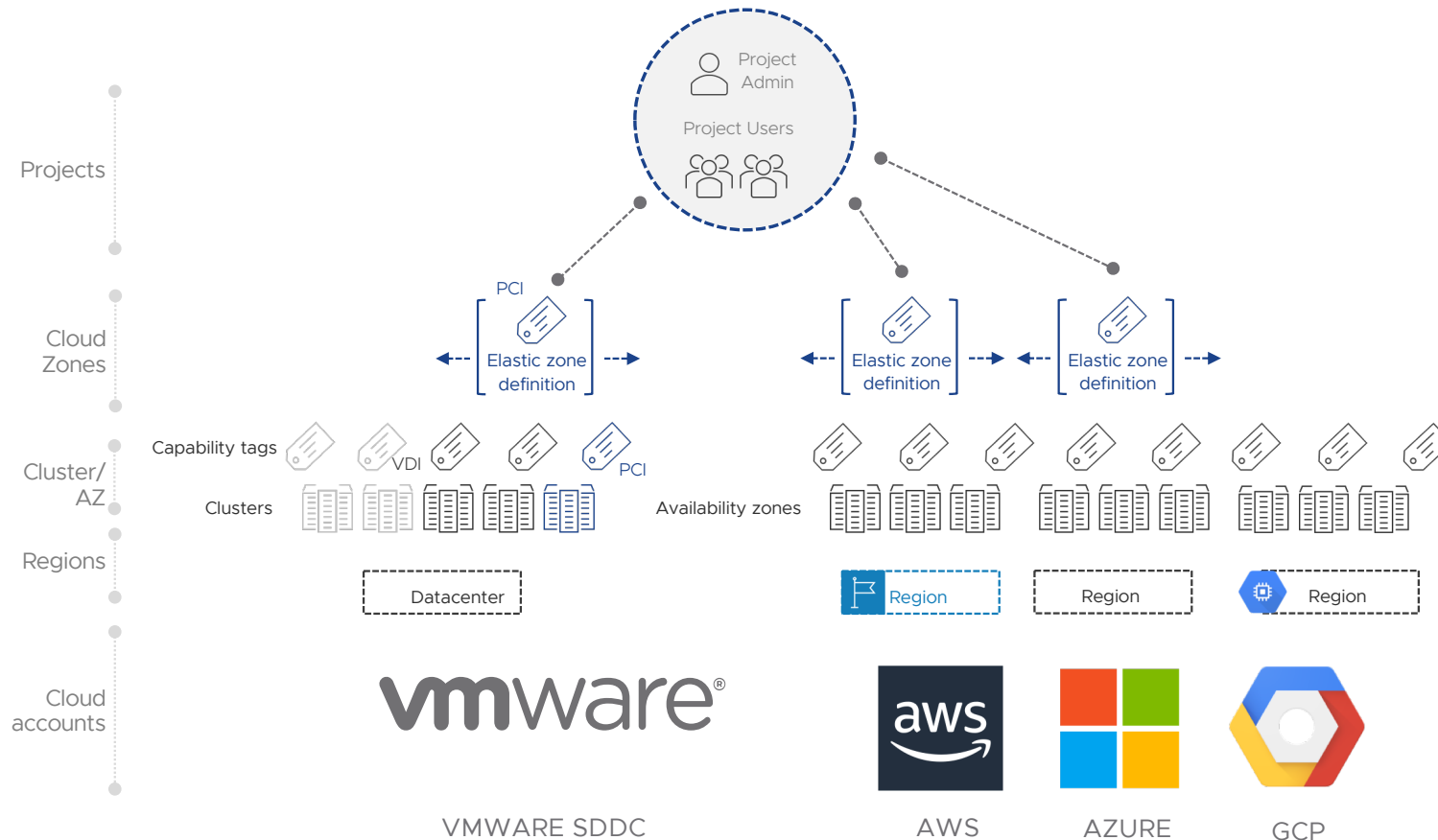Project Users

GOVERN → **POLICIES & GOVERNANCE**

- Content sharing
- Lease policy
- Tagging policy
- Naming policy
- Approval policy *
- Entitlement *
- Resource policy *

* Roadmap

BUILD → **CONTENT**

- Blueprints
- Images
- Configuration

Blueprints are in the context of a project

MANAGE → **PROVISIONED RESOURCES**

DEPLOYMENTS

APP APP

Deployments are associated with projects

Deployment enable lifecycle & day 2 actions

ACCESS → **CLOUD ZONES & PROFILES**

- Datacenter / Cluster
- Region / AZ
- Cloud region

Cloud zones are dynamically determined. Infra profiles provide abstraction

SDDC (VCF) EDGE VCPP / VMC PUBLIC CLOUD

vmware®

Cloud-agnostic provisioning
Infra workload on any cloud

CLOUD SPECIFIC

CLOUD ZONES

CLOUD ACCOUNTS

Cloud.Machine

env:prod

vm Cloud.vSphere.Machine

Datacenter\
Cluster

env:prod

aws Cloud.AWS.EC2.Instance

Region\
Availability Zone

env:dev

Cloud.Azure.Machine

Region\
Availability Zone

env:test

Cloud.GCP.Machine

Region\
Availability Zone

env:stg
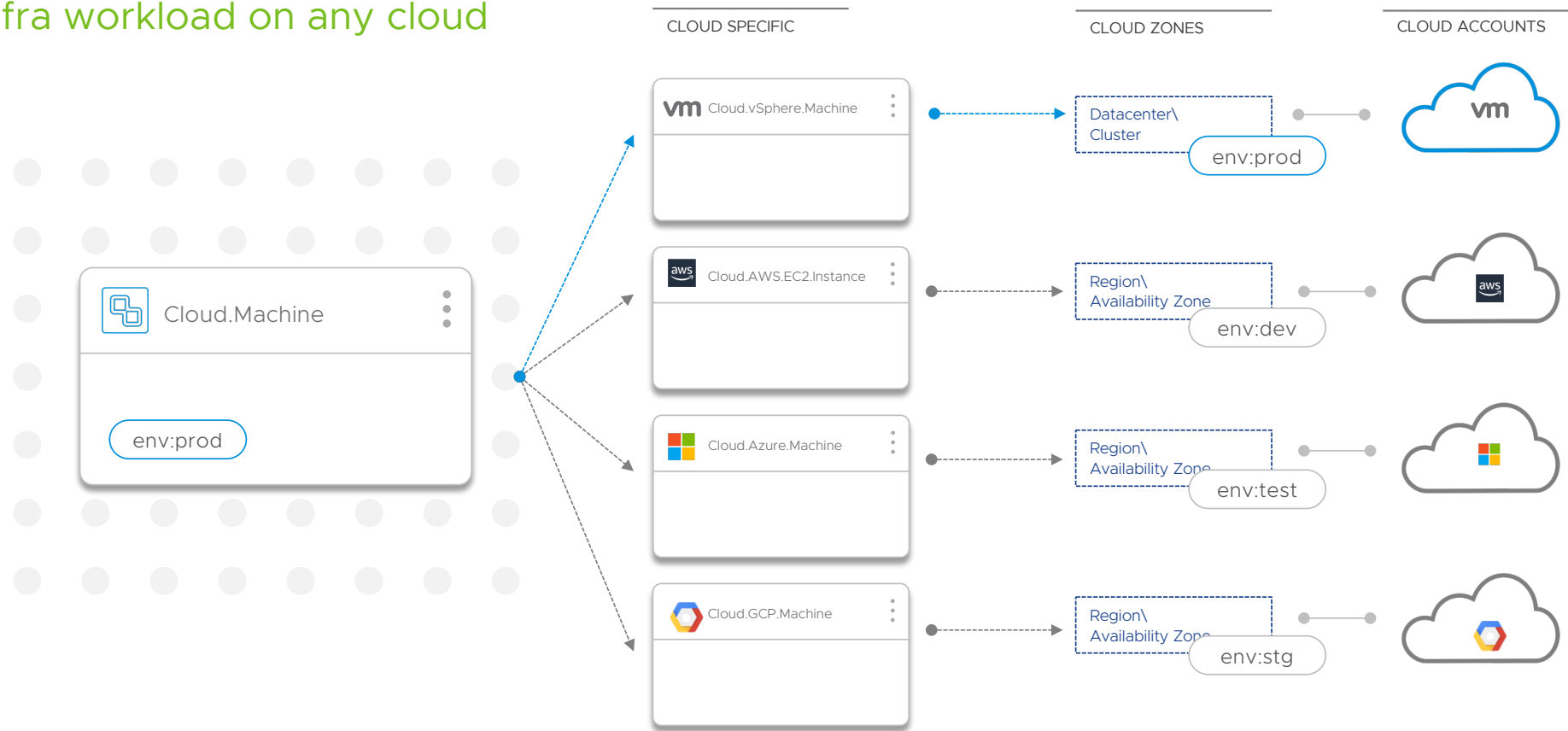
Cloud zones

Elastic cloud zone definition

Projects

Cloud Zones

Cluster/ AZ

Regions

Cloud accounts

Project Admin

Project Users

PCI

Elastic zone definition

Elastic zone definition

Elastic zone definition

Capability tags

VDI

PCI

Clusters

Availability zones

Datacenter

Region

Region

Region

VMWARE SDDC

AWS

AZURE

GCP

Explicit assignment of capacity with projects

Carve out capacity in clouds associate it with projects

Elastic

Scalable boundaries for the compute capacity with flexible, tag-based zone definition

Image mappings
Abstract image definition maps to specific images for each cloud & region

Image mapping

Abstract image definition

(Optional) cloud config

Native image format

Regions

Cloud accounts

VM Templates

AMI

Azure VM images

GCP Images

Datacenter

Support for Content Library

Region

Region

Region

VMWARE SDDC

AWS

AZURE

GCP
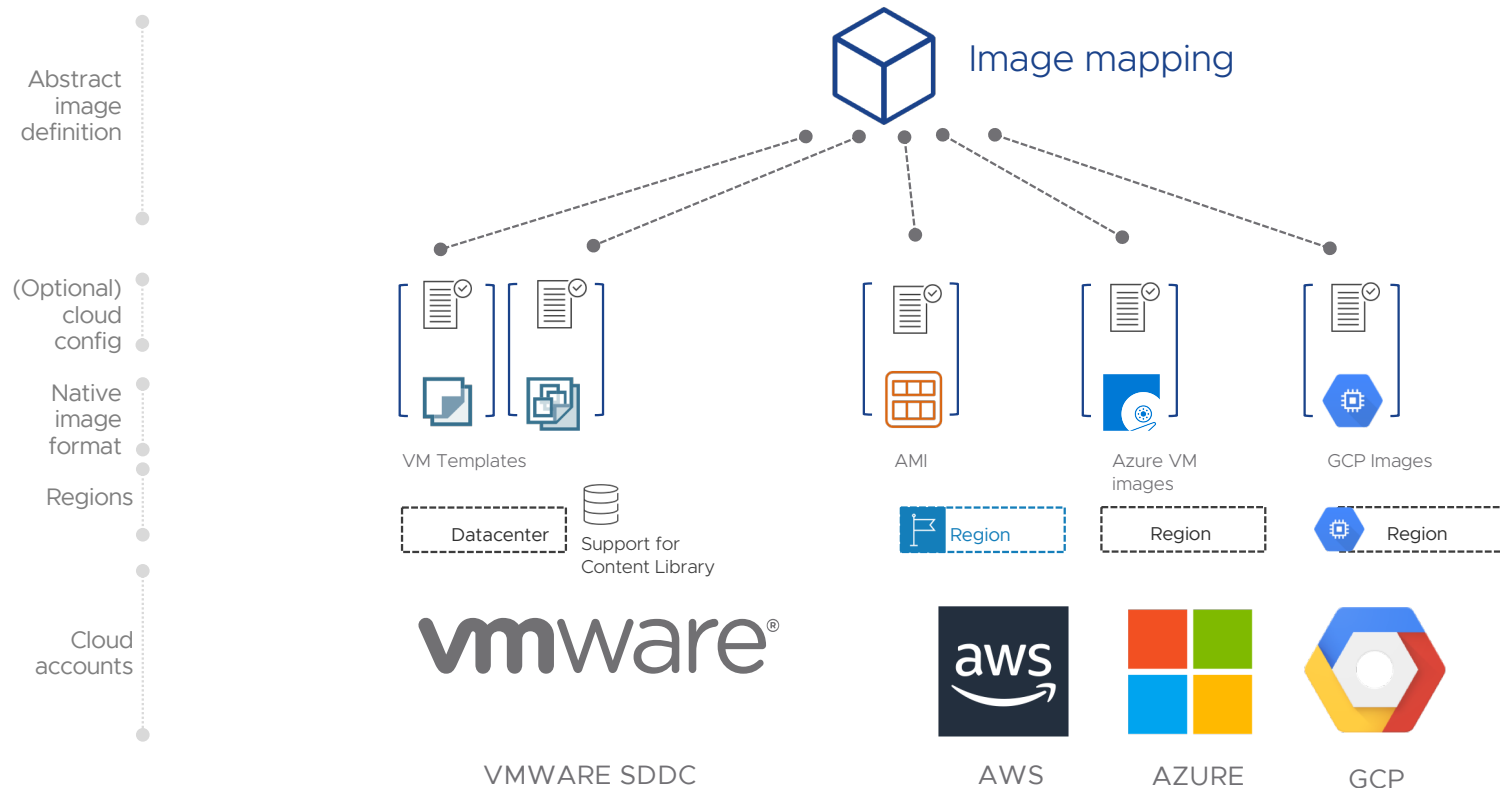
Abstract Image Mapping

Image mappings reference to actual native image formats per Cloud account & region combination

Cloud Init support

Cloud config can be specified as part of the image mapping definition for each native cloud image

Machine flavors

Flavors map to instance types in native clouds

Machine flavor

i.e. Small, Medium, Large

Abstract flavor definition

Native instance types

Regions

Cloud accounts

CPU, Memory

Datacenter

AWS Instance types

Azure Instance types

GCP Instance types

Compute Engine
10GB PD

Region

Region

Region

VMWARE SDDC

AWS

AZURE

GCP
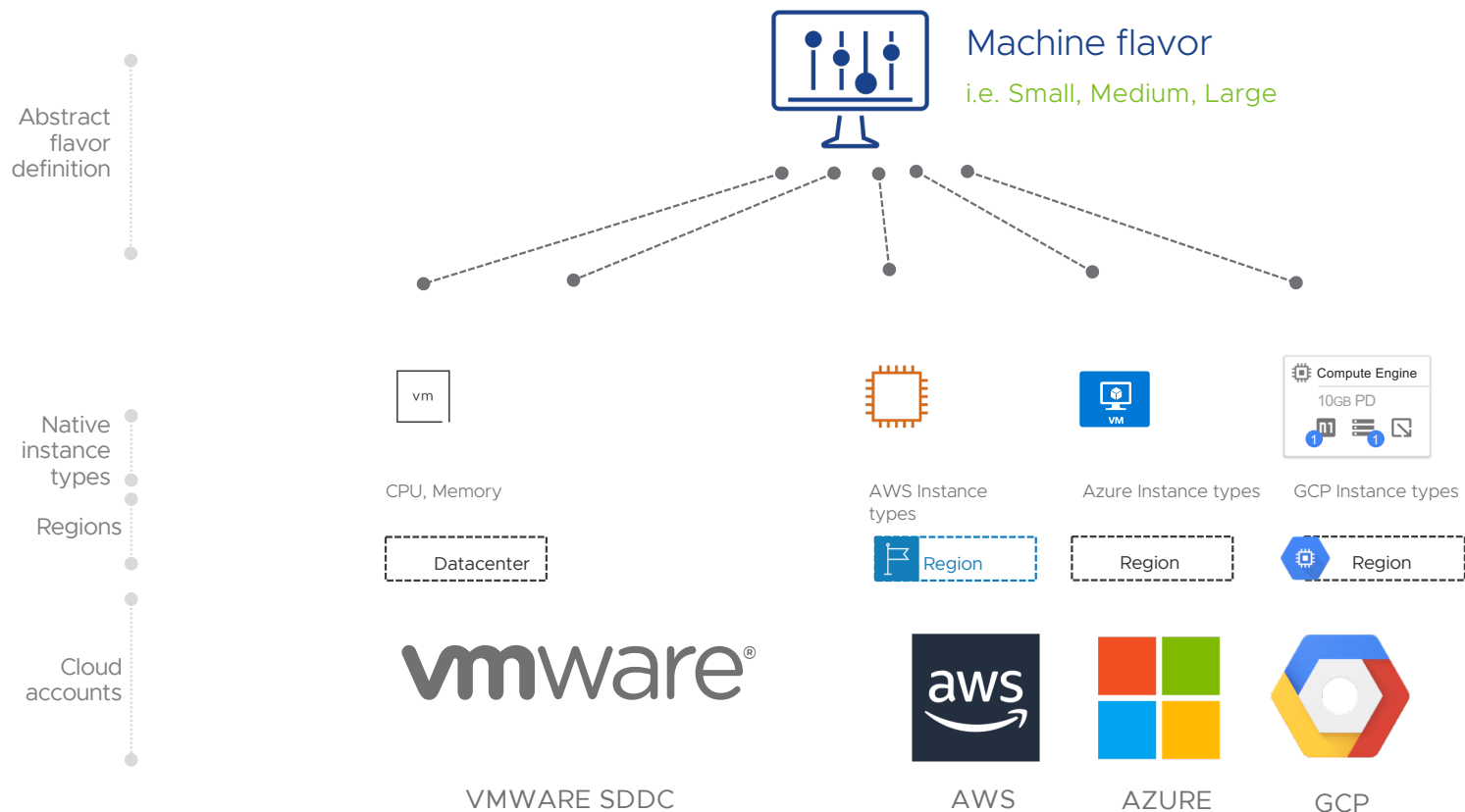
Abstract flavor definition for simple consumption

Flavors map to native instance types (or CPU, Memory configuration for VMware SDDC)

Multi-cloud networking

Rich capabilities for administrators. Simplified consumption for end-users.

ADMINISTRATOR

Cloud Assembly

Blueprints

App Blueprint SETTINGS | VERSION HISTORY. ACTIONS

Search

Load balancer

Network

CREATE

Update

SDDC (VCF) EDGE VCPP / VMC PUBLIC CLOUD
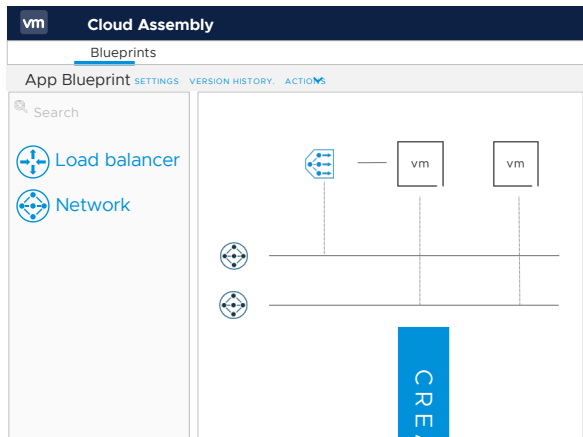
Provider Infrastructure as code

Network

Load Balancer

(NSX-v, NSX-T, Azure)

CONSUMER (ON-DEMAND)

Cloud Assembly

Blueprints

App Blueprint SETTINGS | VERSION HISTORY. ACTIONS

Search

LB-App

NETWORK PROFILE

LB-App
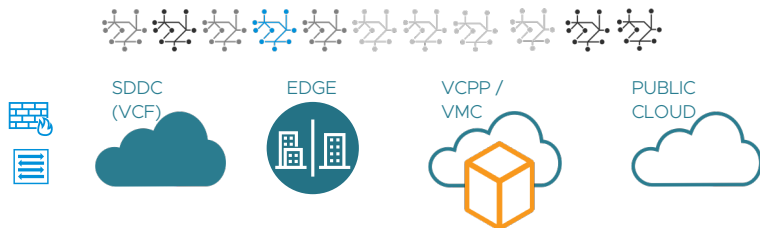
SDDC (VCF) EDGE VCPP / VMC PUBLIC CLOUD
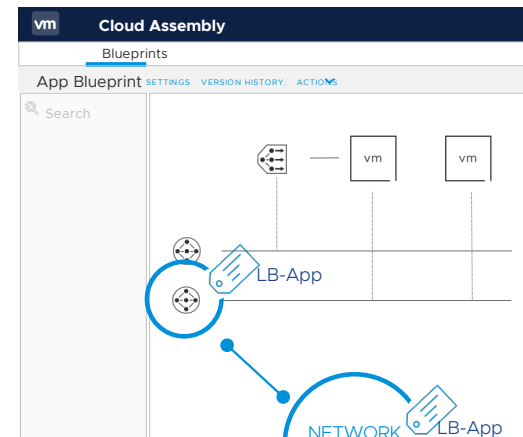
On-demand Networking, Load Balancer

SDDC: NSX-v & NSX-T

Public clouds (AWS, Azure, GCP)

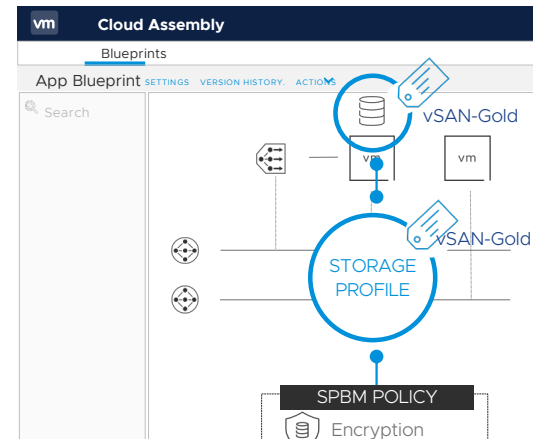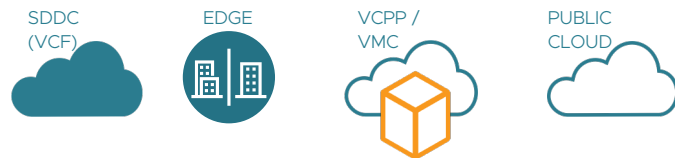Match pre-configured profiles based on tags

vmware®

15
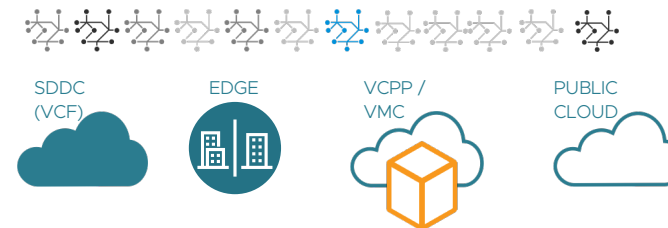
Multi-cloud Storage
Includes rich support for vSAN & SPBM Policies
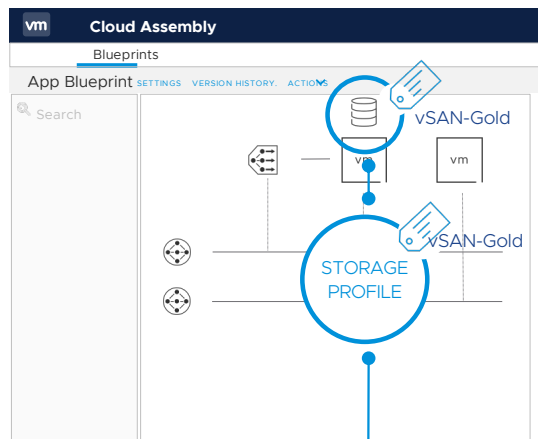
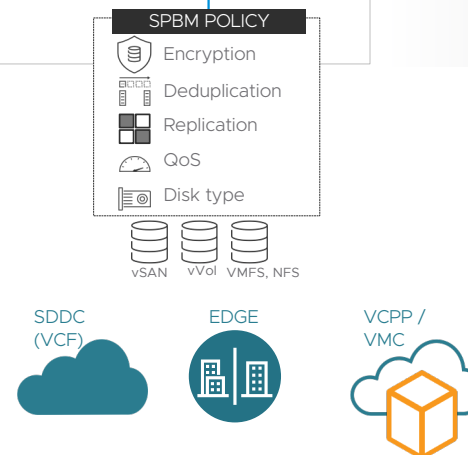**Tag-based dynamic assignment of storage profiles across clouds**

Datastore/cluster, IOPS, Instance type, Disk type

Native integration with SPBM Policies

Discover existing SPBM policies from SDDC

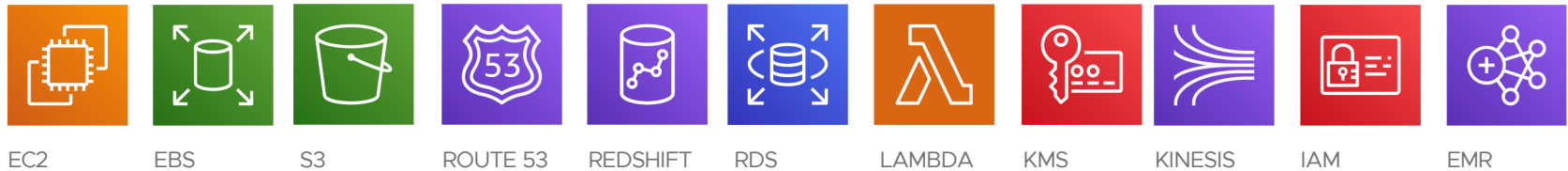Out of the box support for vSAN Storage policies with storage profiles
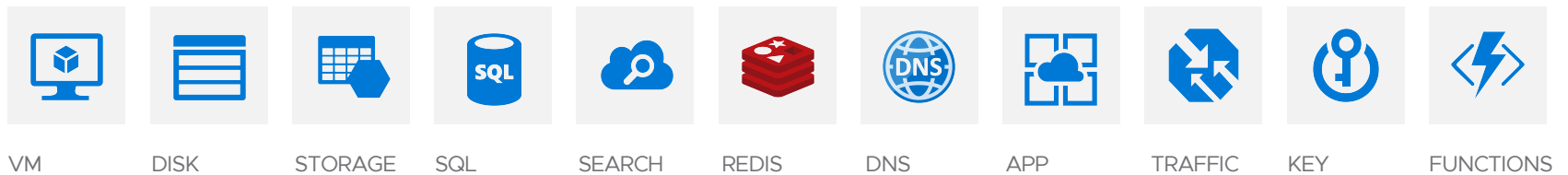
Cloud-specific provisioning
Rich support of IaaS and PaaS services

AWS

| EC2 | EBS | S3 | ROUTE 53 | REDSHIFT | RDS | LAMBDA | KMS | KINESIS | IAM | EMR |

AZURE

| VM | DISK | STORAGE | SQL | SEARCH | REDIS | DNS | APP | TRAFFIC | KEY | FUNCTIONS |

GCP

| INSTANCE | DISK | STORAGE* | BIG QUERY* | CLOUD SQL* | DNS* | APP ENGINE* | * |