

Nuevas Tecnologías para el Centro de Datos Moderno

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v1.9

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VMware vision

Any Device



VMware Workspace ONE™

Desktop Mobile Identity



Any Application



Traditional Apps

Cloud-Native Apps

SaaS Apps



VMware Cross-Cloud Architecture™

Private Cloud Hybrid Cloud Public Cloud

VMware Cross-Cloud Services™

Any Cloud

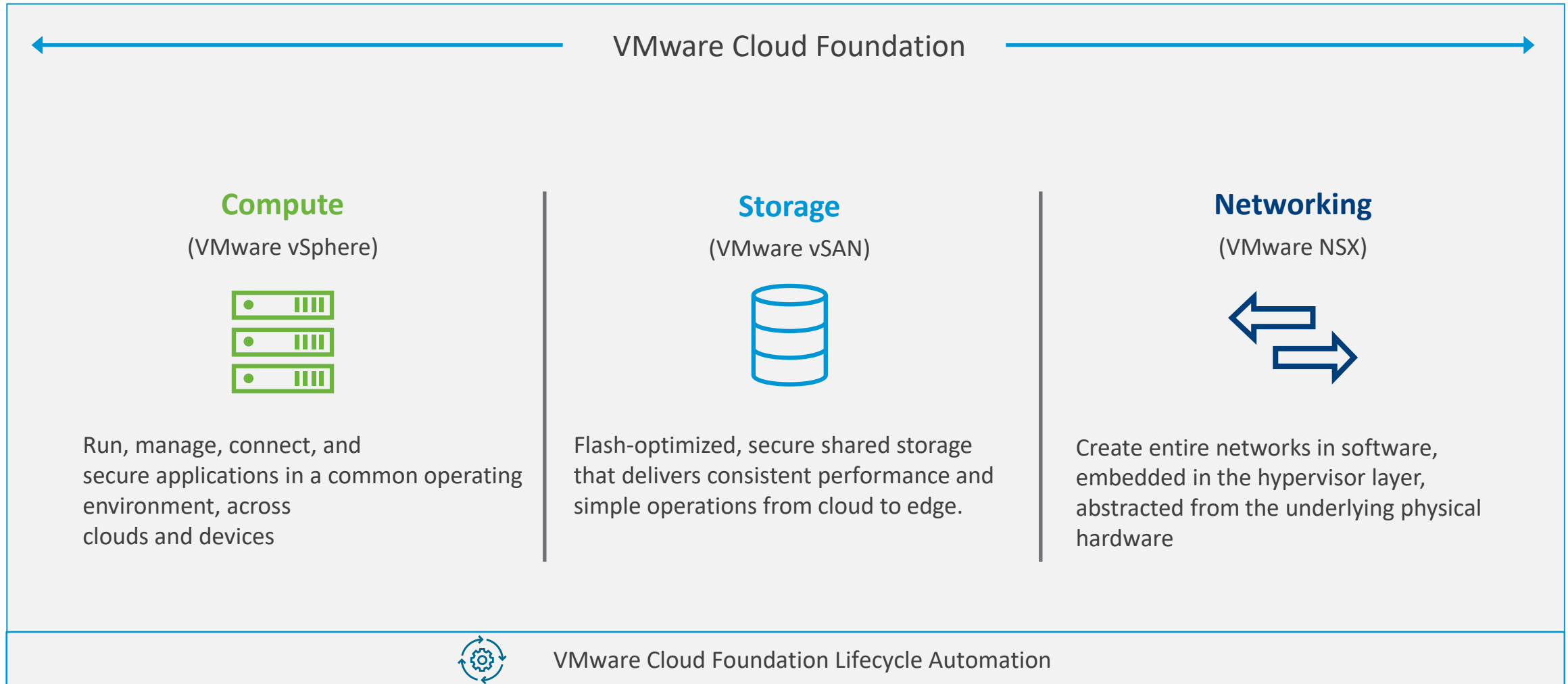


Cloud
Freedom
and
Control

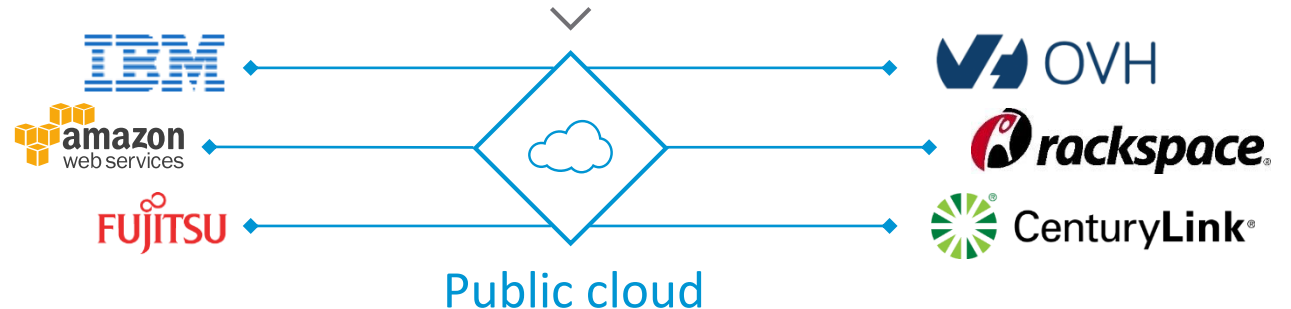
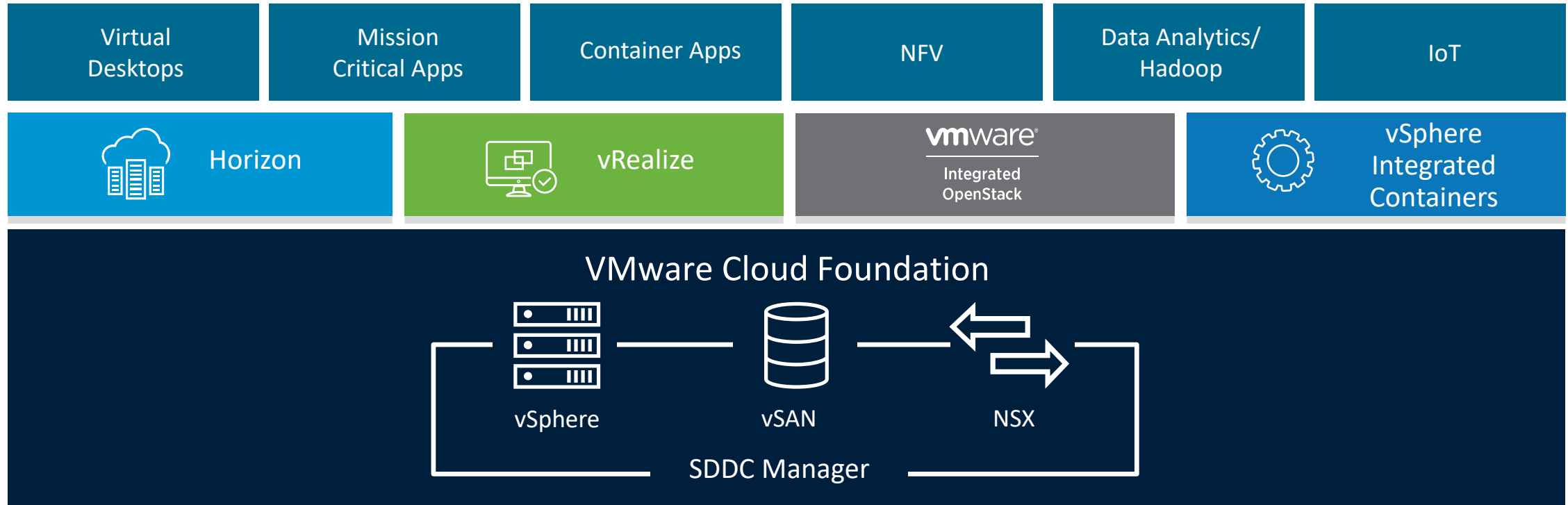
Cloud Foundation Overview

Software-Defined Cloud Services

Based on enterprise-ready, market leading capabilities



A Universal Workload Platform – Built for Today and The Future



Simplify Through Standardization and Automation

VMware Cloud Foundation

Standardized Architecture



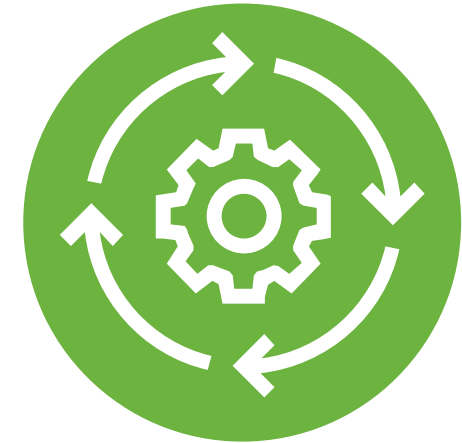
Automated deployment of a standardized, scalable VMware Validated Design

Integrated Stack



Engineered integration of entire software defined stack

Simple to Manage



Unique lifecycle automation of software stack

Lifecycle Management

Automated Patch & Upgrade at the Workload
Domain Level

Patching and Upgrading the SDDC

SDDC Components

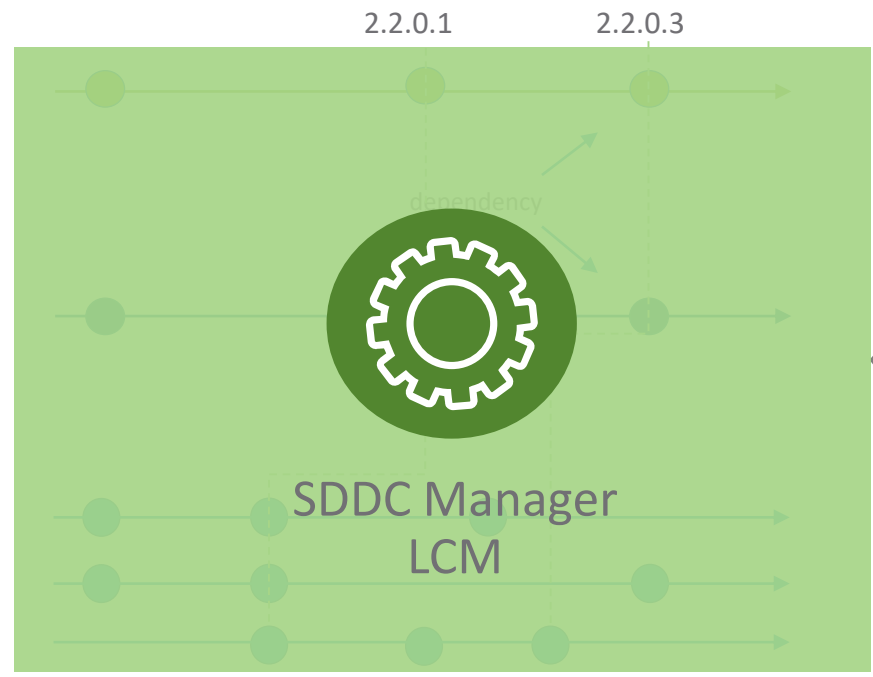


NSX

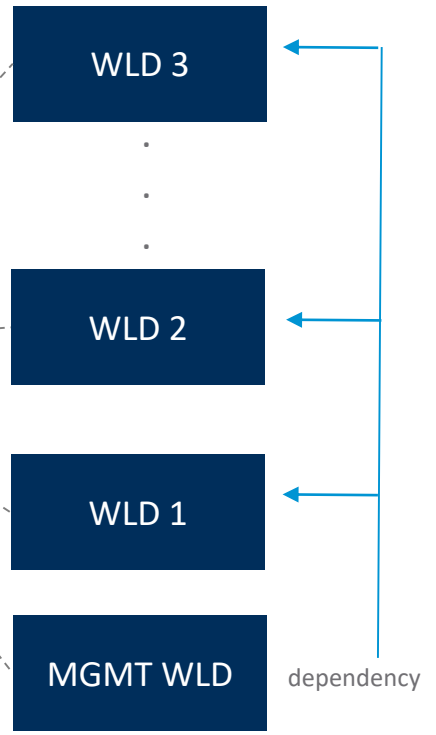
vSAN

ESXi
PSC
vCenter

Updates over Time

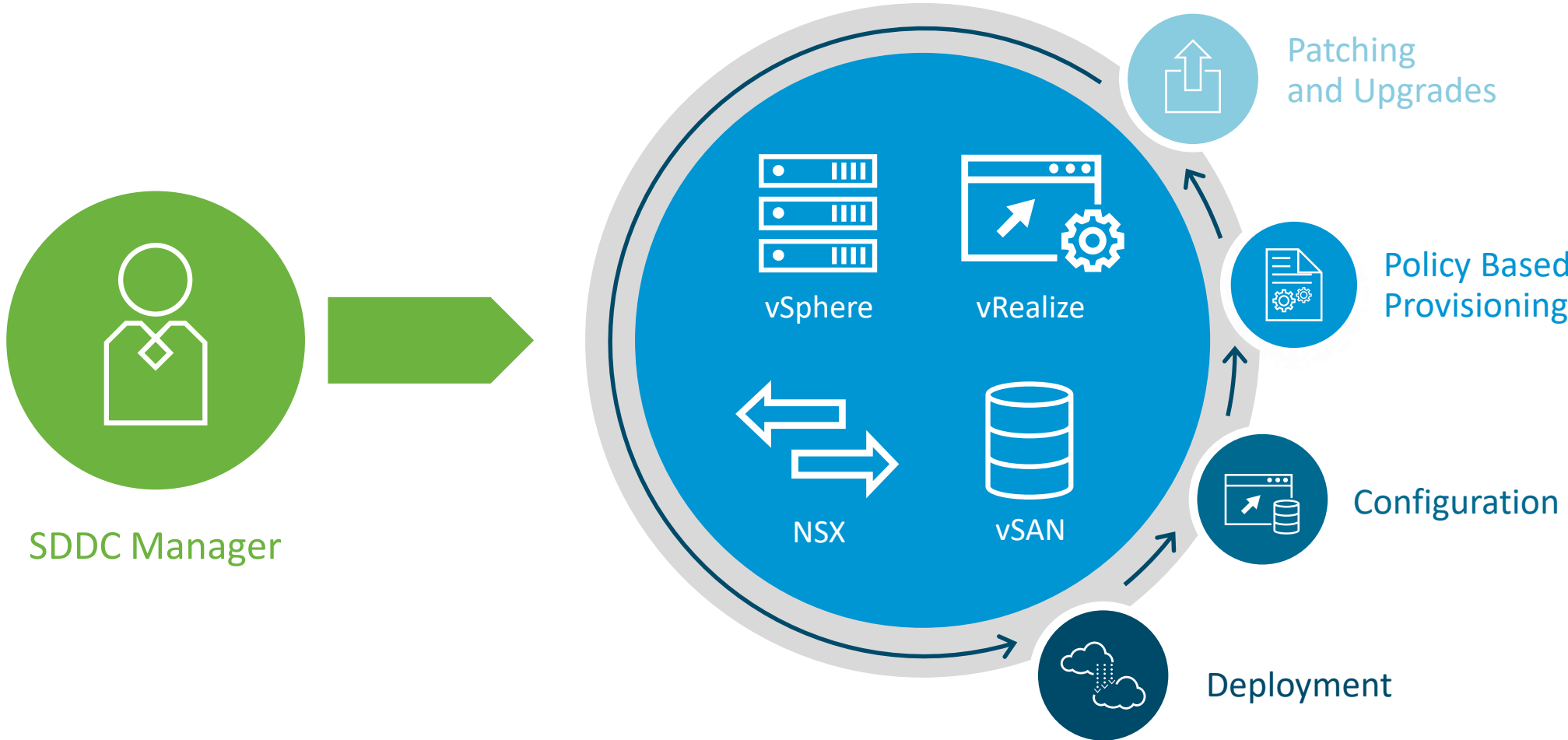


Workload Domains



Brought Together by the SDDC Manager Control Plane

Automated day 0 to day 2 operations of the entire cloud infrastructure



Fully Automated Deployment

VMware Cloud Foundation

Over 120 separate tasks combined into a single Workflow

1	Task Name	24	RemoveVswitch	47	RotateSwitchCer	47	RotateSwitchC	70	DeployNsxMar	93	DeployLogInsigh	116	CreateDvs
2	EnableVsan	25	PopulateCssCrede	48	PostSddcManage	48	PostSddcMana	71	ConfigureSyslo	94	AddLogInsightLi	117	ConfigurePowerMgmt
3	EnableVsanPoli	26	RotatePasswords	49	InstallVmcaRootC	49	InstallVmcaRoc	72	UploadNsxVmc	95	BootstrapLogIns	118	ChangeSwitchOoblp
4	VsanClaimDisks	27	PostInventoryToV	50	UpdateDefaultRo	50	UpdateDefault	73	RegisterVcNsx	96	GenerateLogInsi	119	SoSBackup
5	UpdateBringup	28	ChangeSddcMgrC	51	ConfigureEvoMgr	51	ConfigureEvoM	74	UploadNsxDlf	97	ConfigureVCInLc	120	BackupHostState
6	NotifyBringupC	29	CreateSddcMgrLc	52	UpdateEvoMgrHo	52	UpdateEvoMgr	75	ApplyNsxLicen	98	ConfigurePscInL	121	BackupHostState
7	UpdateRackNar	30	CreateLAG	53	ConfigureNtpIS	53	ConfigureNtplS	76	DeployNsxCon	99	ConfigureSddInl	122	BackupHostBootbank
8	AuthorizeSddcA	31	AssignUplinkToPo	54	ConfigureDns	54	ConfigureDns	77	ConfigureSyslo	100	InstallContentPa	123	UploadHostStateBackup
9	DeleteObsolete	32	TransferPhysicalA	55	TimeSync	55	TimeSync	78	CreateVxlan	101	ConfigureLacpO		
10	ConfigureSwitc	33	ReAssignUplink	56	DisableVsanForce	56	DisableVsanFo	79	CreateNsxSegn	102	DeployVC		
11	ConfigureMgm	34	ReconfigureHAOr	57	EnableVsanPolic	57	EnableVsanPol	80	CreateNsxTran	103	ApplyVcLicense		
12	ConfigureSwitc	35	RemoveVmSnaps	58	EnableClusterDrs	58	EnableClusterD	81	CreateNsxVirtu	104	DeployPsc1		
13	AddHostToClus	36	AddDnsEntriesFor	59	CreateResourceP	59	CreateResourc	82	ConfigureNsxA	105	EnableBashShell		
14	AddHostToDvs	37	ReconfigureHostL	60	RelocateVms	60	RelocateVms	83	AddVmsIntoDf	106	EnableBashShell		
15	CreateVmFolde	38	ReconfigureHostN	61	AdjustPoolReser	61	AdjustPoolRese	84	ConfigureSsoO	107	CreateUserGrou		
16	CreateNetwork	39	AssignPublicMgm	62	EnableClusterHa	62	EnableClusterH	85	RestartSddcMa	108	AssignUserGrou		
17	CreateVmotion	40	ConfigureOOBRoi	63	CreateVmAntiAff	63	CreateAntiAffir	86	GenerateHostS	109	UpdateSSOUI		
18	CreateVsanVml	41	MigrateDvsToFold	64	UpdateLCMRepo	64	UpdateLCMRej	87	RotateHostSsh	110	CreateVmPrivat		
19	TagVlanIdsOnP	42	ConfigureDataCer	65	ConfigureLCMRe	65	ConfigureLCMF	88	RotateVsphere	111	MigrateVmsPriv		
20	MigrateVmsTof	43	ClearRedAlarmsO	66	CreateNFSDatast	66	CreateNFSData	89	RotateLCMSsh	112	CreateVmPortG		
21	MigrateHostVn	44	ChangeHostOoblp	67	ConfigureNtp	67	ConfigureNtp	90	RotateSwitchS	113	CreateTempora		
22	DetachVmnicFr	45	ChangeHostPrivat	68	ConfigureNFSMo	68	ConfigureNFSM	91	UpdateKnownI	114	CreateVmNic1f		
23	AttachVmnicTo	46	CreateCluster	69	ConfigureBackup	69	ConfigureBack	92	UpdateRootKn	115	MigrateMgmtVr		

Manual = Days

Automated = Hours

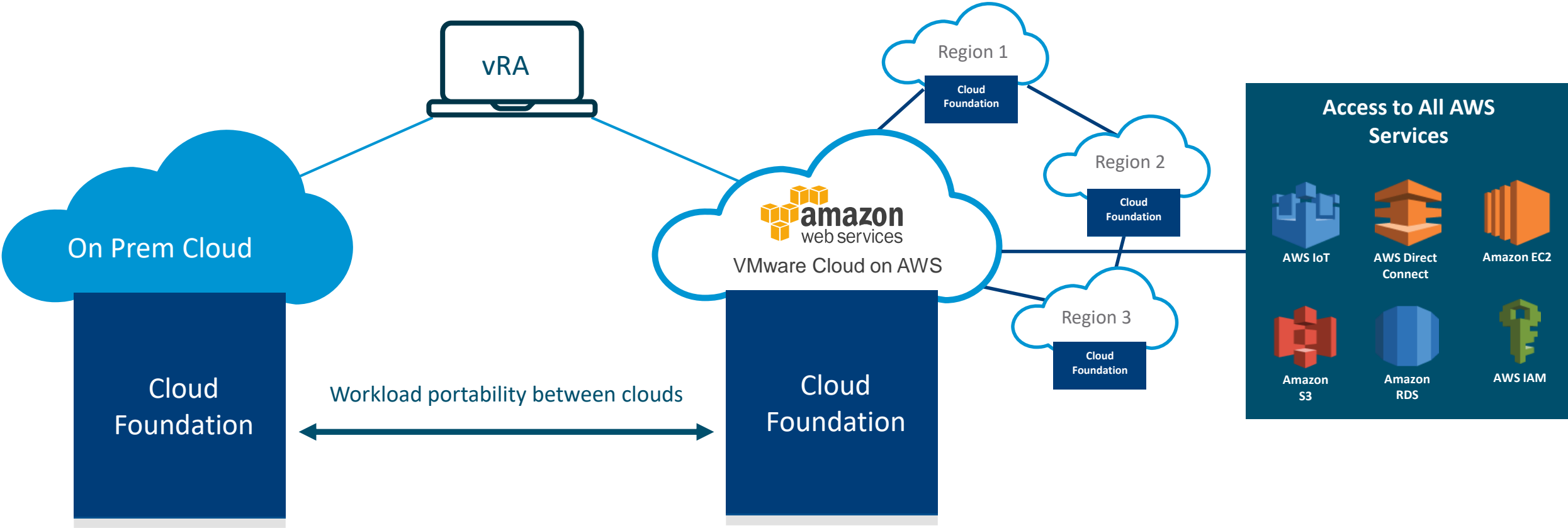
*Example only, actual tasks may vary.

Or Consume it in the Public Cloud



VMware Cloud Foundation – Service Providers

Building a hybrid cloud with VMware Cloud on AWS



Compatible. Managed. Distributed.

New Features and Capabilities

Cloud Foundation 2.3

Added Support for HPE Gen10 Servers

Added support for the following HPE hardware:

- HPE DL380 Gen10 rackmount servers.
- HPE Synergy Platform Gen10 servers.



Resources

Resources

VMware Cloud Foundation

Resource	URL
Product Page	vmware.com/go/cloudfoundation
Documentation	vmware.com/go/cloudfoundation-docs
Poster	vmware.com/go/cloudfoundation-poster
Blog	blogs.vmware.com/cloud-foundation
HOL	labs.hol.vmware.com/HOL/catalogs/lab/3787
Community	vmware.com/go/cloudfoundation-community
FAQ	vmware.com/go/cloudfoundation-faq
Twitter	@VMWvCF
YouTube	youtube.com/c/VMwareCloudFoundation

VMware Cloud Foundation 2.3 - The Software-Defined Data Center for your Private Cloud

The diagrams illustrate the following components and architectures:

- Overview:** Shows the VMware Cloud Foundation stack including vCenter, NSX, ESXi, and vSAN, managed by vRealize Operations Manager and vRealize Automation.
- vRealize Operations Manager Architecture:** Details the integration of vRealize Operations Manager with vCenter and vSAN for monitoring and optimization.
- vRealize Automation Architecture:** Shows the vRealize Automation Cluster managing vCenter, NSX, and vSAN through vRealize Orchestrator.
- vRealize Log Insight Architecture:** Illustrates the vRealize Log Insight Cluster for centralized logging and analysis across the environment.
- Lifecycle Architecture:** Describes the update lifecycle from vCenter and vSAN Manager to vRealize Operations Manager, including notification, download, and scheduling of updates.
- Physical Infrastructure Architecture:** Shows the physical server racks and network infrastructure supporting the virtualized environment.
- Workload Domain Network Architecture:** Details the network stack including vCenter, NSX, and vSAN, connected to an external network.
- Compute Architecture:** Shows the Management Workload Domain and vSAN ReadyNodes.
- Storage Architecture:** Illustrates the vSAN ReadyNodes and the vSAN storage architecture.
- Security Architecture Features:** Details the security features including vSphere Distributed Switch, NSX Edge, and vSAN security.

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