PRESIDIO®

SERVICE BRIEF

Dell Private Cloud with VMware QuickStart

OUTCOMES

- Dell Private Cloud with VMware solution design
- Dell Private Cloud with VMware cluster deployment on greenfield Dell PowerEdge servers
- Optional Dell Automation Platform (DAP) on-premises deployment
- Optional VMware Cloud Foundation (VCF) deployment
- Optional Dell PowerStore greenfield deployment
- Optional expansion of DPC on brownfield PowerEdge servers
- Knowledge transfer (up to 4 hours)
- Customized documentation (functional design document, final as-built documentation, test plan and results)

Dell Automation Platform Catalog

The Dell Automation Platform brings together infrastructure management, multi-cloud orchestration, and AI-driven workflows into a single, automated ecosystem supporting multiple hypervisors.



As organizations seek greater control, security, and performance for their critical workloads, the Dell Private Cloud solution offers a purpose-built infrastructure platform that delivers enterprise-grade simplicity without sacrificing flexibility. Presidio's Dell Private Cloud with VMware QuickStart allows customers to continue leveraging their familiar VMware ecosystem, while retaining the freedom to repurpose or swap hypervisors as business needs evolve in the future.

SCOPE OF SERVICES

Configuration of (1) Dell Private Cloud (DPC) with VMware non-stretched cluster on supported Dell DPC hardware platform (single location only, 3 or 4 greenfield PowerEdge servers with 1 existing storage array), including project management. This service includes the following:

- Facilitate discovery and design workshops and prerequisites validation.
- Develop overall DPC and VMware Functional Design Document (FDD).
- Configure Dell Automation Platform (DAP) portal, orchestrator, and proxy for SaaS connectivity for successful onboarding of DPC endpoints.
- Validate existing greenfield Dell PowerEdge servers (3 or 4 servers) to ensure compatibility with DPC.
- Validate existing Dell storage (1 storage array) to ensure compatibility with DPC.
- Upgrade of client-deployed VMware vCenter, or greenfield deployment of new VMware vCenter instance, to ensure compatibility with DPC.
- Collaborate with client network engineer and review physical switch and firewall configurations to ensure adherence to VMware, DAP, and DPC network requirements.
- Configure DAP blueprints for DPC VMware vSphere Foundation (VVF) solution.
- Configure (3) or (4) VMware VVF-based PowerEdge DPC nodes at single site, including recommended firmware and software versions.
- Configure (1) "integrated" or "compatible" Dell storage array for use with DPC.
- Configure Dell Secure Connect Gateway and licensing for DPC and VMware.
- Upgrade of client-deployed VCF Operations, or greenfield deployment of new VCF Operations instance, along with Presidio recommend dashboards.
- Create test plan; test and validate the deployed cluster.
- Conduct basic product functionality knowledge transfer (up to 4 hours).

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Dell Private Cloud with VMware QuickStart

SERVICES AVAILABLE

Primary SKU	Service Name	Service Description	Max Qty
PS-PASVC-VIRT-DPCV-BASE	Dell Private Cloud with VMware QuickStart	Configuration of Dell Private Cloud with VMware (VVF, single cluster, 3 or 4 greenfield PowerEdge servers).	1

The following services are available as additional scope when ordering with the above primary service.

ADD-ONS & EXTENDED SERVICES

Add-On SKU	Service Name	Service Description	Max Qty
PS-PASVC-VIRT-DPCV-A01	Dell Private Cloud with VMware QuickStart – Dell Automation Platform (On-Premises)	Add-on deployment of (1) Dell Automation Platform instance on-premises.	1
PS-PASVC-VIRT-DPCV-A02	Dell Private Cloud with VMware QuickStart – New VCF Instance (1 Instance)	Expansion of base scope to include configuration of new VCF Instance (requires 4 nodes in base service).	1
PS-PASVC-VIRT-DPCV-A03	Dell Private Cloud with VMware QuickStart – New VCF Workload Domain (1 Workload Domain)	Expansion of existing VCF instance with (1) additional workload domain (requires add-on of additional greenfield or brownfield PowerEdge servers).	3
PS-PASVC-VIRT-DPCV-A04	Dell Private Cloud with VMware QuickStart – Greenfield PowerStore (1 Storage Array)	Add-on deployment of greenfield Dell PowerStore and onboarding to DPC (1 storage array).	3
PS-PASVC-VIRT-DPCV-A05	Dell Private Cloud with VMware QuickStart – Greenfield PowerEdge (4 Servers)	Expansion of existing DPC VMware vCenter with additional greenfield PowerEdge servers (up to 4 servers).	3
PS-PASVC-VIRT-DPCV-A06	Dell Private Cloud with VMware QuickStart – Brownfield PowerEdge (4 Servers)	Expansion of existing DPC VMware vCenter with additional brownfield PowerEdge servers (up to 4 servers).	3

ASSUMPTIONS

- This service is provided entirely remotely.
- Remote access (VPN, etc.) is provided to Presidio, to facilitate on-premises configuration tasks.
- All project tasks occur during regular business hours.
- Valid iDRAC Enterprise or Datacenter licensing is required.
- Valid VMware by Broadcom VVF or VCF subscription is required
- VMware VVF or VCF software binaries must be downloaded and provided by client in advance.
- Minimum supported DPC cluster size is 3 nodes.
- Minimum version of VMware VVF or VCF is 9.1.1.
- All Dell PowerEdge server and Dell storage hardware must be listed on VMware ESX HCL and Dell Private Cloud Support Matrix and running certified firmware versions.
- Supported 10G or greater Ethernet switches with sufficient port count, certified transceivers, and cabling is required to support server and storage connectivity.

OUT OF SCOPE / CLIENT RESPONSIBILITIES

- On-site physical rack & stack & cabling
- Deployment or configuration of Ethernet switches, routers, or firewalls
- Deployment of Dell Automation Platform on-premises (requires add-on)
- Deployment of storage array or Fibre Channel zoning (requires add-on)
- Backup software configuration or backups of workloads
- VM conversions/migrations/cut-overs
- Configuration of software, appliances, or operating systems not included in scope
- VMware vSAN (not supported by Dell Private Cloud)
- NSX Edge, Federation, or Multisite
- Stretched clustering
- Infrastructure-as-Code (IaC), custom scripting, or Dell Automation Studio custom blueprint creation

The services in this brief are governed by:
Presidio Terms of Service Agreement

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Dell Private Cloud with VMware QuickStart

ADD-ONS & EXTENDED SERVICES

Add-On SKU	Service Name	Service Description	Max Qty
PS-PASVC-VIRT-DPCV-A01	Dell Private Cloud with VMware QuickStart – Dell Automation Platform (On-Premises)	Add-on deployment of (1) Dell Automation Platform instance on-premises.	1

SCOPE OF SERVICES

- Add-on deployment of (1) Dell Automation Platform instance on-premises (virtual machine form factor, running on VMware ESX).

OUT OF SCOPE / CLIENT RESPONSIBIITIES

- Valid VMware by Broadcom VVF or VCF subscription is required for vCenter and ESX server hosting Dell Automation Platform (DAP) on-premises
- Existing VMware vCenter server and ESX server is required to deploy Dell Automation Platform (DAP) on-premises

Add-On SKU	Service Name	Service Description	Max Qty
PS-PASVC-VIRT-DPCV-A02	Dell Private Cloud with VMware QuickStart – New VCF Instance (1 Instance)	Expansion of base scope to include configuration of new VCF Instance (requires 4 nodes in base service).	1

SCOPE OF SERVICES

- Deploy VCF Installer and utilize the automated deployment and configuration of core VCF components, including VCF Management Services, VCF Automation, and NSX Manager VMs.
- Create new VCF Instance utilizing (4) DPC PowerEdge servers in base scope.
- Configure and operationalize core VCF Fleet Management capabilities.
- Configure and operationalize core VCF Networking capabilities, such as VPCs.

OUT OF SCOPE / CLIENT RESPONSIBIITIES

- VMware vSAN (not supported by Dell Private Cloud)
- NSX Edge, Federation, or Multisite
- Customization of VCF Automation, including blueprints

Add-On SKU	Service Name	Service Description	Max Qty
PS-PASVC-VIRT-DPCV-A03	Dell Private Cloud with VMware QuickStart – New VCF Workload Domain (1 Workload Domain)	Expansion of existing VCF instance with (1) additional workload domain (requires add-on of additional greenfield or brownfield PowerEdge servers).	3

SCOPE OF SERVICES

- Expansion of existing VCF instance with (1) additional workload domain (requires add-on of additional greenfield or brownfield PowerEdge servers).

OUT OF SCOPE / CLIENT RESPONSIBIITIES

- VMware vSAN (not supported by Dell Private Cloud)
- NSX Edge, Federation, or Multisite
- Customization of VCF Automation, including blueprints

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Dell Private Cloud with VMware QuickStart

ADD-ONS & EXTENDED SERVICES

Add-On SKU	Service Name	Service Description	Max Qty
PS-PASVC-VIRT-DPCV-A04	Dell Private Cloud with VMware QuickStart – Greenfield PowerStore (1 Storage Array)	Add-on deployment of greenfield Dell PowerStore and onboarding to DPC (1 storage array).	3

SCOPE OF SERVICES

- Greenfield deployment and configuration of (1) Dell PowerStore with host connectivity (per one storage array, up to (4) hosts) with VMware and DPC onboarding.
- Configure Dell Secure Connect Gateway connectivity.
- Validate that the Ethernet and/or Fibre Channel switches meet the requirements for a successful deployment.
- Configure Fibre Channel zoning (up to 20 zones).

OUT OF SCOPE / CLIENT RESPONSIBIITIES

- Deployment of new Fibre Channel switches
- Deployment or configuration of Ethernet switches, routers, or firewalls
- Backup software configuration or backups of workloads

Add-On SKU	Service Name	Service Description	Max Qty
PS-PASVC-VIRT-DPCV-A05	Dell Private Cloud with VMware QuickStart – Greenfield PowerEdge (4 Servers)	Expansion of existing DPC VMware vCenter with additional greenfield PowerEdge servers (up to 4 servers).	3

SCOPE OF SERVICES

- Expansion of existing DPC VMware vCenter with additional greenfield PowerEdge servers (up to 4 servers).
- Update PowerEdge firmware, configure iDRAC, and install VMware ESX to meet DPC requirements.
- Configure (1) “integrated” or “compatible” Dell storage array for use with PowerEdge servers.

OUT OF SCOPE / CLIENT RESPONSIBIITIES

- Backup software configuration or backups of workloads
- Configuration of Ethernet switches, routers, or firewalls
- Any Dell PowerEdge server not specifically listed on the Dell Private Cloud Support Matrix
- Valid iDRAC Enterprise or Datacenter licensing is required

Add-On SKU	Service Name	Service Description	Max Qty
PS-PASVC-VIRT-DPCV-A06	Dell Private Cloud with VMware QuickStart – Brownfield PowerEdge (4 Servers)	Expansion of existing DPC VMware vCenter with additional brownfield PowerEdge servers (up to 4 servers).	3

SCOPE OF SERVICES

- Expansion of existing DPC VMware vCenter with additional brownfield PowerEdge servers (up to 4 servers).
- Validate brownfield PowerEdge servers, reset to default settings, and ensure compatibility with Dell Private Cloud.
- Update PowerEdge firmware, configure iDRAC, and install VMware ESX to meet DPC requirements.
- Configure (1) “integrated” or “compatible” Dell storage array for use with PowerEdge servers.

OUT OF SCOPE / CLIENT RESPONSIBIITIES

- Backup software configuration or backups of workloads
- Configuration of Ethernet switches, routers, or firewalls
- Any Dell PowerEdge server not specifically listed on the Dell Private Cloud Support Matrix
- Valid iDRAC Enterprise or Datacenter licensing is required
- **CRITICAL**: Brownfield servers must be removed from production before work begins. Brownfield servers will be completely erased and reset to factory default settings.

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