



Accelerate your journey to the Microsoft Private Cloud.

Dell Services IT Consulting for Microsoft® Private Cloud



Improve your business operations and maximize productivity with Dell and Microsoft.

Take the first step toward efficient enterprise

Is your organization looking for solid cloud solutions that improve infrastructure management and reduce costs? Dell consultants can help you develop a personalized solution through modular private cloud accelerators based on System Center 2012 and Windows Server 2012.

With our flexible architectures, you can enhance, extend or build solutions at a pace that's right for you. Hyper-V 2012 provides a reliable, scalable, high-performance virtualization platform — while Systems Center 2012 offers a single set of integrated management tools to orchestrate both physical and virtual resources. The combination enables you to create an agile and dynamic data center.

How it works

Using our deep knowledge with Microsoft technologies and extensive experience deploying private cloud solutions, our consultants work with you to:

- Evaluate, assess, design and implement a private cloud in your production environment using our standard, repeatable and proven set of services and architectures
- Implement only the private cloud modules that deliver value to you
- Meet your immediate needs and provide a plan to help you grow and meet the demands of tomorrow

Key benefits:

- Reduce organizational impact
- Automate and integrate with existing systems
- Consolidate management and lower total cost of ownership
- Transfer comprehensive knowledge to promote self-reliance
- Dynamically monitor for business continuity and disaster recovery
- Rapidly provision to the public cloud through Azure-based, policy-driven provisioning
- Receive optional comprehensive curriculum and customized training

	Virtualization Standard	Virtualization Enterprise	Cloud Standard	Cloud Enterprise
Features	Hyper-V with SCVMM <ul style="list-style-type: none"> Virtualization and consolidation cost efficiencies High availability Lower downtime and risk through live migration 	Virtual and managed DC <ul style="list-style-type: none"> OpEx reduction Centralized management Dynamic workload provisioning Virtual Machine DR Service status visibility Patch management 	Private cloud <ul style="list-style-type: none"> Services catalog and lifecycle management Self service provisioning Automated system governance Site resilience 	Hybrid cloud <ul style="list-style-type: none"> Management and operational process alignment Chargeback / showback Runbook automation Azure Cloud services Desired state management
Business value	Realize first hand the capabilities, performance and financial benefits of Hyper-V with System Center's cornerstone — Virtual Machine Manager in your production environment.	+ Adds: Reduce OpEx through a scalable, cost effective solution with the benefits of a dynamically managed system with service reporting elements.	+ Adds: Empower the business to consume IT resources with service catalog and lifecycle management processes integration points to enable cloud elements and site resiliency.	+ Adds: Gain additional CapEx reduction. Proactively prevent workload and cloud sprawl for continual operational efficiencies. Enhance the process, organization, service management and governance for operations of an elastic hybrid cloud.
Components	Benefits, business value, components and deliverables are additive as they build to the right >>			
Sites / nodes	Windows Server 2012 Datacenter Edition SC2012: VMM Hyper-V Cluster with Live Migration Single site < 4 Hyper-V Failover Cluster Nodes < 2 *Management VM's < 5 validation workloads vStart 50-200 or equivalent	+ Adds: Operations Manager with Dell PRO Packs and Open Manage Data Protection Manager WSUS Single site < 8 Hyper-V Failover Cluster Nodes < 4 *Management VM's < 5 validation workloads vStart 100, 200, 1000 or AMS AS50, AS200, AS800, AS1000	+ Adds: Orchestrator Service Manager with self service portal Hyper-V replicas SharePoint services Up to 2 sites < 12 Hyper-V Failover Cluster Nodes < 10 *Management VM's < 5 validation workloads < 5 replicas vStart 1000M or equivalent	+ Adds: Showback Configuration Manager Endpoint protection Azure Cloud services via App Controller Up to 2 sites < 16 Hyper-V Failover Cluster Nodes < 13 *Management VM's < 5 validation workloads vStart 1000M or equivalent
Deliverables	<ul style="list-style-type: none"> Validated proof of concept solution with demonstration A3 design (contains design principles) As-built document Operational adoption / next steps and envisioning session Two calendar weeks	+ Adds <ul style="list-style-type: none"> Static operational recommendations covering 5 key principles** Comprehensive design document Four calendar weeks	+ Adds <ul style="list-style-type: none"> Rudimentary operational maturity assessment and recommendations Operations guide Six calendar weeks	+ Adds <ul style="list-style-type: none"> Advanced operational maturity assessment and recommendations Rudimentary extensibility*** Eight calendar weeks

* Management consoles and associated dependent services such as SQL should be hosted on systems outside of the compute cluster (aka management cluster) for ultimate availability and performance.

** Includes static capacity, performance, configuration, compliance and financial management recommendations.

*** Limited customer centric customization, integration and extensibility — such as portal re-skin, customized runbooks, .Net and Powershell scripting.

	Virtualization Std.	Virtualization Ent.	Cloud Std.	Cloud Ent.
vStart 50	✓			
vStart 100	✓	✓		
vStart 200	✓	✓		
vStart 1000		✓	✓	✓
ASM 800		✓	✓	✓

For more information about any of our service offerings, please visit Dell.com/services or contact your Dell representative.

Dell vStart, Active System Manager foundation recommended. Visit Dell.com/vstart for more information.



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