



Dell vStart 1000

Enterprise-class, rapid virtualization and private cloud infrastructure that enables IT to focus on delivering business services

The unrelenting demands from the marketplace are forcing organizations to act quickly. Decision makers no longer have the luxury of a 2-3 month lag time between obtaining a new, exciting application and providing the infrastructure available to run it. Increasingly, organizations are looking to private clouds to energize their IT and enable their business. Successfully deploying private clouds requires an appropriate virtualized infrastructure that can scale to meet demand. It is critical that the virtualized infrastructure, which is the foundation for private clouds, be well designed, built for reliability and deliver the expected performance. Without a solid virtualization infrastructure in place, even the best conceived private clouds can vaporize rather quickly.

Dell™ vStart 1000 – host mission critical applications and achieve cloud scalability

vStart 1000 is a pre-engineered virtualization platform designed for organizations seeking expedited deployment of applications and a rapid, low risk path to private clouds. Created for large data centers, the vStart 1000 leverages state-of-the-art, proven components – Dell PowerEdge™ Blade servers, Dell Compellent™ SAN storage and Dell Force10 Networking– to deliver top notch performance and scalability.

Accelerate Time-to-Value – Infrastructure that is easy to implement and manage

- Delivering a pre-engineered and tested solution, minimizing steps to bring into production
- vStart 1000 has configurations that are designed around either Microsoft® Hyper-V® or VMware vSphere™ so you can choose the environment to match your existing expertise and needs
- Up and running in days with included deployment services

Drives Efficiency and Lowers Risk – Platform for mission critical applications

- vStart Solutions are pre-engineered by Dell to eliminate single points of failure and to deliver scalability, resiliency and performance
- Included software from Dell simplifies infrastructure management by using existing skills
- VIS Creator, included in the vStart for Dell Private Cloud solution, enables the creation and management of a private cloud allowing organizations to easily and quickly deliver capabilities such as infrastructure-as-a-service, role based IT asset provisioning, showback, etc.
- Included with every vStart is Dell ProSupport™ Services, providing you with a single point of accountability and the assurance that you are backed by a world-class support organization
- IT consulting is available to assess workloads and existing performance issues to drive optimal usage of vStart
 - Additional IT consulting is also available to design and enable disaster recovery, back-up and security

Provides Future-Proof Scalability – Accommodates your growing and changing needs

- Designed to expand with your growing needs, vStart 1000 can scale by adding capacity to existing vStart racks, and by adding additional vStart racks of compute or storage.
- Many organizations will look to private clouds to accommodate their changing needs with its designed flexibility and scalability; a vStart 1000 easily accommodates that need. Using VIS Creator, Dell's cloud management software, vStart 1000 allows organizations to rapidly realize their own private cloud.
- vStart 1000 is Microsoft Private Cloud validated providing an excellent platform for organizations seeking to build their Microsoft Private Cloud.
- Additional IT Consulting from Dell Services can not only help you assess your current "as-is" state and design a "to-be" plan for the future, but can help you modernize and migrate applications, provide network security and uncover inefficiencies in your data center.

Putting vStart to use

vStart 1000 is a versatile solution that can bring value to large organizations and data centers across various verticals. Following are some of the more common ways that the vStart solutions are being leveraged:

- Expanding virtual environments
- Expediting application delivery
- Hosting specific mission-critical applications
- Platform for private clouds

With Dell vStart 1000, you rapidly achieve the benefits of virtualization and get to scale with unprecedented confidence while your teams stay focused on building business value, not the virtual infrastructure.

Dell vStart are pre-engineered IT infrastructure solutions that enable business stakeholders to accelerate application and service delivery

Features	Function	Benefit
Delivered Pre-engineered and pre-built	<ul style="list-style-type: none"> Provides the entire infrastructure — servers, storage, networking, power, cabling, rack, Dell management extensions and initial deployment services Pre-engineered, pre-assembled complete configurations available to order based upon your existing capacity and compute needs Includes initial deployment services 	Accelerates time-to-value <ul style="list-style-type: none"> Eliminates the need for design, test, procure, configure, etc. Gets you up and running in days, not months
Designed, tested, built, sold and supported by Dell	<ul style="list-style-type: none"> Offering from a highly-experienced global leader in virtualization Includes redundancy to deliver a highly-available platform. Includes solution-level support from Dell. Leverages Dell's expertise and platforms used in thousands of customer sites. 	Minimizes Risk <ul style="list-style-type: none"> Leverages Dell's in-house expertise and the industry best practices accumulated over thousands of successful deployments Built in resiliency, reliability and scalability to support mission-critical applications Provides you with a single point of accountability
Simplifies management with included software	<ul style="list-style-type: none"> Included software enables management of Dell hardware underpinning the vStart solution Dell Management Software is available for both VMware and Hyper-V configurations 	Drives Efficiency <ul style="list-style-type: none"> Included software enables management of Dell hardware using existing skills By connecting to existing technologies, it can eliminate the need for additional training
Offers Future Proof Scalability	<ul style="list-style-type: none"> vStart solutions can be scaled vertically (by adding additional capacity on existing rack) or horizontally (by adding additional vStart racks) Versatility of vStart allow it to provide a platform for your future needs, such as private clouds 	Future-proofs your investment <ul style="list-style-type: none"> vStart is designed and scaled to accommodate your growing needs vStart 1000 is a platform for private clouds <ul style="list-style-type: none"> Combined with Dell VIS Creator, vStart 1000 enables the Dell Private Cloud vStart 1000m is Microsoft Private Cloud Fast Track validated from Dell Engineering to be used as the infrastructure for Microsoft Private Cloud

Better Together: Dell Services can accelerate your virtualization solutions

Installation and Support Services are included. On-site installation and implementation is included with every vStart Solution, complete with a brief orientation session and configuration guide. **Dell ProSupport** provides the foundation for secure and reliable high-availability infrastructures with enhanced hardware support and software technical support for problem resolution.

Taking IT to the next level. Dell offers IT consulting services to provide the foundation for planning, designing and implementing an efficient virtual infrastructure solution, the offerings include:

- vStart Solution Assistance & Consulting Service
 - Options include Healthcheck, Workload Migration, VORA, Design Service
- Virtualization Operational Readiness Assessment (VORA)
- Virtualization Assessment (VA)
- Virtualization Design & Plan Services
- Operational Readiness & Management Services
- Self-Service & Orchestration Services
- Streamlined Optimization ServicesCloud Readiness Assessment
- Build A Cloud Services
- Hardware and Software Training for VMware vSphere, EqualLogic™ storage and more

Better Together. Dell's vStart Solutions demonstrate how open and flexible architectures combined with **Dell Services** create practical, innovative solutions designed to reduce complexity and costs while improving productivity. Dell Services can help you deliver elastic IT, whether you are building a private cloud for better availability of applications and resources or are moving toward a secure, enterprise-class hybrid cloud focused on desired business outcomes.

Dell vStart 1000 is currently available in the following configurations

vStart 1000m	vStart 1000v
Hardware <ul style="list-style-type: none"> PowerEdge M620 (Available in Configurations with 8, 16, 24 & 32 servers) PowerEdge R620 Management Servers Dell Compellent Series 40 storage, with the dual-controller configuration, 8 Gb Fibre Channel Dell Force10 S4810 ToR Networking Dell S55 ToR Networking Brocade 5100 ToR Fibre-Channel Switches 42U Rack with required PDU Software <ul style="list-style-type: none"> Windows Server 2008 R2 Datacenter edition Dell Management Software VIS Creator (vStart for Dell Private Cloud only) Other <ul style="list-style-type: none"> Initial Deployment Services Dell ProSupport Optional add-ons <ul style="list-style-type: none"> UPS Keyboard, Video, Mouse (KVM) 	Hardware <ul style="list-style-type: none"> PowerEdge M620 (Available in Configurations with 8, 16, 24 & 32 servers) PowerEdge R620 Management Servers Dell Compellent Series 40 storage, with the dual-controller configuration, 8 Gb Fibre Channel Dell Force10 S4810 ToR Networking Dell S55 ToR Networking Brocade 5100 ToR Fibre-Channel Switches 42U Rack with required PDU Software <ul style="list-style-type: none"> VMware vCenter (Trial edition) VMware vSphere (Trial edition) Dell Management Software VIS Creator (vStart for Dell Private Cloud only) Other <ul style="list-style-type: none"> Initial Deployment Services Dell ProSupport Optional add-ons <ul style="list-style-type: none"> UPS Keyboard, Video, Mouse (KVM)

Learn more and accelerate your virtualization journey at Dell.com/vStart

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