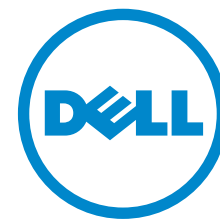


Dell vStart

The simple, fast and smart path to virtual infrastructure delivered ready to run



Virtual doesn't have to mean complicated – Start Simple

Virtualization can bring unprecedented agility to your organization and can help improve the utilization rate of your infrastructure. Both tangible values and both strong reasons for you to virtualize, and yet, you don't. Complexity, specialized resource needs and the effort required are often the key deterrents as organizations evaluate virtualization projects.

Traditionally, a virtualization project meant spending plenty of time trying to build a complete, functional virtual infrastructure — realizing along the way that the project entailed a whole lot more than you had bargained for, and that the success of the project hinged upon you knowing and being able to follow the steps and implement best practices such as:

- Designing the virtual infrastructure — requiring you to have a deep understanding of server, storage and networking interdependencies
- Buying all of the different components, often from a number of sources and then waiting for all of them to arrive, worrying about their interoperability
- Assembling, integrating and configuring all of these different elements — typically requiring hard-to-come-expertise from many different areas all working together
- Testing to ensure compatibility and interoperability and impact to sizing

All this has changed! With its pre-configured and pre-assembled vStart solutions, Dell uses its extensive virtualization expertise to do the hard work for you. With thousands of successful deployments under its belt, Dell puts you on the right path to success. You no longer need to spend time figuring out the infrastructure elements or how they need to be integrated, or even identify the best approach to deployment, Dell does it all and makes sure that your solution is up and running right away. Dell vStart gives you one simple way to get and deploy virtual infrastructure (servers, storage, network, rack, cabling, management software and deployment services) so you can start realizing and maximizing the benefits of virtualization without the unwanted complexity.

Virtual infrastructure delivered ready to run – Start Fast

You will have virtual machines up and running before you know it because Dell vStart comes to you ready to go. Delivered pre-racked, pre-cabled, pre-validated, and pre-configured — Dell vStart seamlessly plugs into your existing management consoles using proven, essential extensions that incorporate best practices.

Using the included plug-ins, a vCenter administrator can accomplish the following and more with the VMware ESXi based vStart:

- Streamline server management tools and tasks
- Use deep device-level detail to monitor and alert
- Reduce the number of steps for bare metal provisioning from 55 down to 9
- Remotely update BIOS and Firmware

Using the optional Microsoft System Center Essentials or System Center Virtual Machine Manager, the administrator for the Hyper-V based vStart can accomplish advanced management such as:

- Single console management
- Integrated troubleshooting
- Automated system updates
- Centrally create and manage virtual machines across datacenters (SCVMM)

Focus on the business, not the virtual infrastructure – Start Smart

Dell vStart comes in different sizes allowing you to buy the infrastructure that is right for your environment. Of course, with its ability to scale easily, you can continue to grow your vStart infrastructure to dynamically meet the growing needs of your business. You can scale your virtual infrastructure by adding additional hardware to your vStart or by adding an all new rack. Depending upon your needs you might choose to start with vStart 50, the smallest of the vStarts, or with a vStart 200, which comes with 6 servers and 28 TB of SAN storage in its base configuration. Pre-engineered to deliver a powerful, highly-available, highly scalable environment for virtualization, Dell vStart is delivered robust, ready to go, now and in the future. The end result? 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 gives you one simple way to quickly get everything you need to start realizing and maximizing the benefits of virtualization without the complexity.

Features	Function	Benefit
Simple to buy, Complete virtual infrastructure solution	- Pre-engineered, pre-assembled complete configurations available to order simply based on initial desired capacity - Provides the entire infrastructure (server, storage, networking, power, cabling, rack, essential management extensions and deployment services) needed to run Virtual Machines — delivered ready to run	- Can remove the hard work associated with having to research, define and acquire each infrastructure element individually - vStart is tuned to deliver performance and interoperability in one simple-to-buy solution
Pre-validated virtual infrastructure that scales to meet your needs	- Virtual infrastructure solutions pre-validated to support up to 200 virtual machines (depending on workload resource requirements) - Designed with growth in mind, vStart comes ready to extend with hardware and software options	- Removes the complex work of trying to determine capacity of future infrastructure investments - Enables you to reclaim the time and effort otherwise spent micro-optimizing each infrastructure element - Reduces the guesswork associated with planning for the future enabling you to scale with confidence, basing your plans on known quantities/qualities
Included virtualization management extensions to leading management consoles	- Essential extensions to leading virtualization management consoles that streamline tools and tasks - Seamlessly provides deep device-level data and automated actions	- Enables IT Generalists to perform additional critical management activities from the same virtual management console they use today, eliminating the need for additional tools - Can eliminate the need for additional training and higher-cost expertise, making the most of the skills and investments you already have
Delivered ready to run VMs	Solution is delivered to you pre-racked, pre-cabled, pre-validated and pre-configured and ready to run Virtual Machines	Dell does the racking and stacking for you, freeing you to focus on running virtual machines, not building the infrastructure
Included Deployment Services	Initial Setup and Deployment into your environment is included with every vStart	- You don't have to worry about finding and paying for the expertise needed to get up and running on top of just paying for the equipment itself — it's all included, and performed by Dell experts - Quickly deploy virtualized infrastructure to enable faster Return on Investment

Dell Services accelerates your virtualization deployment and keeps you moving forward

Dell IT consulting services are the foundation for planning, designing and implementing an efficient virtual infrastructure solution. From white-boarding sessions to proof of concept to implementation, Dell can help you achieve your virtualization and data center improvement objectives.

Dell's vStart includes the deployment services ensuring your implementation will get done right the first time, but if you would like additional help along your virtual infrastructure journey — optional Dell Services are also available. From support services that provide the foundation for secure, reliable high-availability infrastructures to enhanced hardware support to software technical support for problem resolution, we are ready when you are. Be sure to ask about our "phone home" support for Dell servers (and soon storage), as well as help with asset and warranty management.

Dell vStart is currently available in the following configurations:

vStart 50v/vStart 50m	vStart 100v/vStart 100m	vStart 200v/vStart 200m
- Pre-installed Management Extensions - Initial Deployment Services - PowerEdge R610 (x2) - Dell EqualLogic PS4100XV (x1) - PowerConnect 6024 (x4) 24U Rack with required PDU - Optional add-ons - UPS - KVM - Dedicated management server - Microsoft System Center Essentials (for Hyper-V versions)	- Pre-installed Management Extensions - Initial Deployment Services - PowerEdge R610 (x1) - PowerEdge R710 (x3) - Dell EqualLogic PS6100 Series (x 1) - PowerConnect 6248 (x4) 42U Rack with all required PDU, UPS, KVM - Optional add-ons - Microsoft System Center Essentials (for Hyper-V versions) - Microsoft System Virtual Machine Manager (for Hyper-V versions)	- Pre-installed Management Extensions - Initial Deployment Services - PowerEdge R610 (x1) - PowerEdge R710 (x6) - Dell EqualLogic PS6100 Series (x2) - PowerConnect 6248 (x4) 42U Rack with all required PDU, UPS, KVM - Optional add-ons - Microsoft System Virtual Machine Manager (for Hyper-V versions)

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

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