

DELL™ ADVANCED INFRASTRUCTURE MANAGER



Dell Advanced Infrastructure Manager (AIM) powers the efficient data center by allowing you to transition your current investment in IT assets to a dynamic, easily scalable, and highly efficient infrastructure. IT services can be dynamically provisioned or reconfigured in minutes, helping you increase the utilization of existing assets, recover quickly if problems occur, and rapidly scale services to support your business.

REACT IN REAL-TIME

Dell AIM is designed to help you react in real time to your changing business needs while lowering data center costs. The powerful combination of Dell servers, storage, and network platforms with Dell AIM delivers extreme data center flexibility with hassle-free setup and is backed by Dell support.

FLEXIBLE SOLUTIONS FOR COMPREHENSIVE INFRASTRUCTURE MANAGEMENT

Dell AIM allows you to rapidly provision what servers are running and how they are connected to networks and storage, without needing to make physical server, cable, or storage area network (SAN) changes. Because Dell AIM works with industry standard servers, Ethernet switches, and network storage, you can transition to a more dynamic data center using infrastructure investments you have already made.

DELL ADVANCED INFRASTRUCTURE MANAGER FEATURES AND BENEFITS

Features	Benefits
Rapid Server Provisioning	<ul style="list-style-type: none">• Instantly provision servers, network connectivity, and storage access• Automatically discover and provision a server in minutes by assigning a server image to a specific server and booting the image from local disk or central storage (SAN, NAS, Internet SCSI)• Simplify the provisioning process regardless of the target server's configuration using sophisticated tools that can quickly migrate server images between local disks and central storage• Easily migrate server images from Physical to Physical (P2P), Physical to Virtual (P2V), or Virtual to Physical (V2P) for server upgrades, refresh, or consolidation
Cost-Effective Server Failover	<ul style="list-style-type: none">• Eliminate the need for complex and expensive clustering solutions for applications that can sustain momentary failures, protecting all of your applications against hardware failures• Dispense with most "standby" servers while still protecting all of your servers by using spare servers anywhere in the infrastructure to replace any failed server• Automatically detect server failure, re-target the failed server's image to an available spare—physical or virtual, and establish network and storage connectivity for the spare server
Highly Efficient Shared IT Infrastructure	<ul style="list-style-type: none">• Provision capacity in real time, granting individual high-demand business system servers more physical machine capacity on an as-needed basis without increasing the total number of machines in the data center• Create an enterprise computing cloud of any size internal to your company

DELL BUSINESS READY CONFIGURATIONS FOR A VIRTUAL READY INFRASTRUCTURE

AIM is offered two ways, as a stand-alone product or as part of a pretested, factory-integrated solution. Dell Business Ready Configurations for a Virtual Ready Infrastructure are designed to streamline deployment of the complete, dynamic infrastructure building blocks—including servers, storage, network switches, and software. Based on the extensive engineering work in end-to-end solution design, you can confidently deploy these architectures into production environments, helping to eliminate many of the time-consuming steps common to complex infrastructure implementations. Dell Business Ready Configurations offer extensive deployment guides with step-by-step installation instructions, integrated online ordering, and the availability of professional services to get you up and running quickly and confidently.

Dell Advanced Infrastructure Manager

- Rapidly provision server images onto physical and virtual servers, and connect those servers to network and storage, without making physical changes to your infrastructure
- Quickly recover from server and network failures without complex clustering software
- Grant high-demand business systems more physical capacity on an as-needed basis without increasing the total number of servers in the data center

Dell PowerEdge™ M1000e Blade Enclosure and PowerEdge M610 Blades

- Purpose-built to deliver exceptional virtualization performance
- Equipped with Intel® Xeon® 5500 Series Processors
- 12 DIMM slots, supporting up to 96GB of total RAM
- FlexIO technology to help eliminate “rip and replace” blade switch upgrades
- Energy Smart Technologies, including low-flow fans



Dell EqualLogic™ PS6000 Storage

- Designed to meet the performance and availability needs of virtualization environments
- Advanced data management and protection software at no extra cost
- High-capacity models scale up to 576TB under a single, intuitive management interface

Dell PowerConnect™ 6224 Network Switch

- 24 and 48 ports of 10/100/1000BASE-T Gigabit Ethernet¹
- Support up to four 10 Gigabit Ethernet¹ uplinks for connectivity directly to 10GE routers, servers, enterprise backbones, and data centers
- Enables Flexible Quality of Service (QoS) by giving network administrators the ability to prioritize time-critical network traffic based on a variety of user-defined criteria

Dell ProSupport for IT²

- Provides tech-to-tech support for IT professionals
- Fast-track dispatch parts and labor for Dell certified IT professionals
- 24x7 direct access to Dell Expert Center
- Global Command Centers to manage critical situations during events like natural disasters

DELL DELIVERS HIGHLY EFFICIENT DATA CENTER INFRASTRUCTURE

Dell powers the efficient data center by delivering IT solutions that are easy to deploy and easy to manage. Whether you choose to deploy Dell AIM to manage your existing environment or as part of Dell Business Ready Configurations for a Virtual Ready Infrastructure, you can be confident that your solution has been tested and validated and is supported by Dell.

¹ This term does not connote an actual operating speed of 1 Gb/sec. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

² The availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdescriptions.

LEARN MORE ABOUT POWERING THE EFFICIENT DATA CENTER AT DELL.COM/AIM

