



Automate Blade Server Management Using Intel® Deployment Manager by VERITAS OpForce™

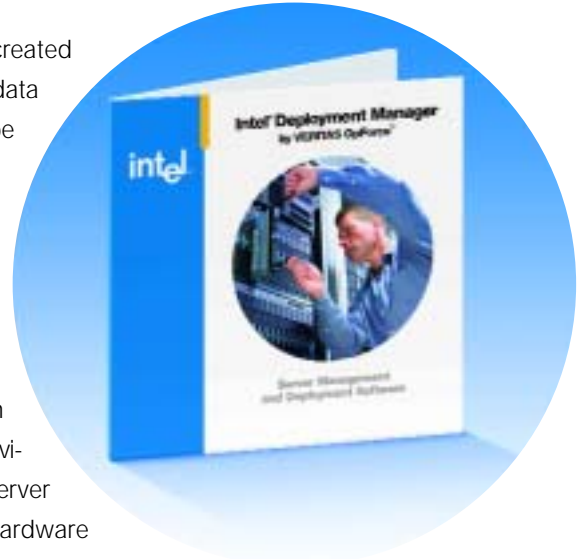
Intel® Deployment Manager by VERITAS OpForce™ Product Brief

The proliferation of rack-based servers has created a huge server management chore for most data center managers. Before a new server can be fully deployed, it requires going through the process of updating the firmware and BIOS, then installing the operating system, patches, middleware and applications. Next comes the configuration of one or more network cards with appropriate network settings. This complex process often takes hours for each server and becomes impractical in a blade environment with dozens or even hundreds of server compute blades. In addition, because hardware resources cannot easily be shared among applications, over-provisioning and under-utilization of servers is common.

Moving to the Intel® Enterprise Blade Server Family allows you to add compute blades to your data center in a simple, automated fashion. Using the Intel® Deployment Manager by VERITAS OpForce™, you can provision servers on-demand, thus reducing over-provisioning and achieving a far more efficient utilization of your server resources.

Remote Server Deployment

Intel Deployment Manager can rapidly and efficiently provision a large number of servers, simultaneously and remotely. Intel Deployment Manager auto-discovers servers in the bare-metal state (no OS available) and loads a snapshot of the complete and fully configured server. You can provision dozens of server blades in minutes. Administrators use the same Web console to deploy application and OS patches, as well as to quickly upgrade BIOS, firmware, and RAID configurations. You can also use Intel Deployment Manager to automatically and remotely restore and back up servers.



Intel Deployment Manager allows administrators to remotely configure any server in the network.

Intel® Deployment Manager by VERITAS OpForce™

Features

Web-based console	Efficiently manage hundreds of blade servers and chassis from a single location anywhere on the network
Automated deployment	Reduce time for server deployment by automatically and simultaneously installing and configuring applications, OS patches and service packs, firmware, BIOS and RAID configurations on multiple servers
Auto-discovery of resources	Avoid the need to visit servers to identify available resources (blade chassis and servers) even in bare-metal (i.e. no OS available) state
Server Pre-deployment	Define policies on chassis slot number to provision a blade server automatically upon insertion into the chassis
Save full or incremental snapshots	Quick restoration of server to original configuration by deploying stored snapshot
Create custom scripts and schedule jobs	Automatically schedule one-time or recurring tasks
Role-based administration	Enhance and maintain data center security through granular role-based permissions and controls
Software license usage tracking	Aid better utilization and compliance with software licenses

Benefits

Intel® Server Management Module

The Intel Server Management Module SBCECMM, integrated into the Intel® Server Chassis SBCE, provides a secure, single point of control for managing all blades in the chassis and hides complexities caused by differences in underlying hardware and software. Key features include:

- Easy to use web-based graphical user interface for control and monitoring of all blades and chassis components (blades and switches)
- Remote out-of-band management regardless of OS
- Integrated KVM (keyboard, video, mouse) switch for full text and graphical access to any blade server console from anywhere on the network
- Group operations for easier configuration
- Emergency management access over LAN
- Integration into enterprise management consoles via SNMP
- Automated thermal monitoring and blower speed regulation for improved cooling
- Intel® Light-Guided Diagnostics for fast failure resolution
- Redundancy and failover via optional second management module



For the most current product information on the Intel® Enterprise Blade Server Family, visit:
<http://www.intel.com/go/enterpriseblades>



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