



HP Infrastructure Operating Environment: Powering the Converged Infrastructure

Overview

Traditional data centers are built around an aging, siloed architecture, which limits IT's ability to dramatically improve efficiencies and enhance service levels. A lack of standardization impedes automation and governance since many different processes are involved in management. Life cycle management capabilities are typically limited, manual, and labor intensive and compliance is difficult as new virtual machines are spawned and stale ones persist unchecked. All of these challenges contribute to it taking weeks or months to implement a new application infrastructure and bring the services online.

To build a next-generation data center that will allow chief information officers to focus on innovation and meeting business demands requires an infrastructure operating environment that moves away from this complex manual provisioning, modification and management of applications.

HP Infrastructure Operating Environment (IOE), an important component of the new HP Converged Infrastructure, is a shared-services engine that addresses these challenges. HP IOE provisions and adapts infrastructure on the fly, ensuring that the technology can instantly respond to changing business demands in a predictable, repeatable way.

With HP IOE, customers can simultaneously control and confidently optimize all elements of an infrastructure that are needed to deliver a service – including servers, storage, network connections and facility resources. It unifies the tools for infrastructure life cycle management into one command center to provision new services in minutes instead of months, optimize infrastructure confidently, and protect continuity of services.

At the core of HP IOE sits [HP Insight Software](#). Since the introduction of HP Insight Software, the company has shipped over more than million licenses. Leveraging HP Insight Software capabilities, HP IOE can improve staff productivity by automating infrastructure provisioning and life cycle management. When combined with HP Business Technology Optimization software, customers can automate, secure, test and manage their complete heterogeneous technology and application environments.

Enhancements to the world's leading infrastructure management solution

HP Insight Software portfolio is now able to seamlessly provision infrastructure and applications, deliver affordable disaster recovery for any application, and manage complete infrastructure lifecycle across multiple platforms.

HP Insight Software now seamlessly integrates infrastructure and application provisioning

allowing customers to

- Improve administrator productivity by automating application provisioning through integration with HP Server Automation.
- Deploy applications faster via new Matrix ISV templates which are built on standardized, repeatable best practices.

HP Insight Software now delivers affordable disaster recovery for any application enabling customers to:

- Ensure cost-effective disaster recovery by recovering physical [HP ProLiant servers](#) onto virtual machines. With automatic recovery to either physical or virtual servers, based on currently available resources, business continuity is enhanced.
- Place their DR site in any safe yet economical worldwide location by recovering over unlimited distances.

HP Insight Software manages the complete infrastructure lifecycle across multiple platforms. Customers can now:

- Provision infrastructure in minutes versus months, a feature that has now been extended to mission-critical HP Integrity blade servers.
- Free up IT staff time by streamlining day-to-day management tasks when working with other popular management environments. Integration with Microsoft® System Center and VMware vCenter is now included.

HP Insight Software offerings are now enriched with additional value. Customers now receive:

- Automated infrastructure provisioning and recovery with HP Insight Dynamics allowing easy adoption of all Insight Software infrastructure management capabilities.
- Server migration with HP Insight Control for easier and faster consolidation This rounds out the essential server management offering.

The new advanced management capabilities will also be integrated in HP BladeSystem Matrix, a converged, server, storage and networking platform that enables customers to provision and adapt complex infrastructures in minutes instead of months using traditional approaches

More information about the HP Converged Infrastructure architecture and the key role of the HP Infrastructure Operating Environment is available at www.hp.com/go/convergedinfrastructure.

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