



Fact Sheet

HP Converged Management and Security

Bringing together the best of all worlds

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Overview

Not all clouds are created equal. On the surface, many cloud services seem to provide similar capabilities, but they have different levels of openness to integration, security and life cycle management. For many enterprises, moving to cloud requires new tools and processes that may be incompatible with core competencies and best practices of enterprise IT. That kind of limitation can force organizations to make sub-optimal choices, such as commit to a single proprietary cloud environment and integrate deeply, or only use basic services. Both approaches reduce the value that cloud can bring to an organization.

Standards can prevent this lowest common denominator approach by providing a framework for a cloud operating system that supports enterprise use cases for development, deployment, management, and security—through the application and service lifecycle and across multiple cloud environments.

HP Converged Management and Security uses a standards-based approach to provide this functionality. It leverages the OpenStack™ Project as a foundational component for a common cloud resource, management, and security abstraction layer. OpenStack is a collection of open source technologies that provides a massively scalable open source cloud computing platform.

To deliver enterprise-grade capabilities, HP has extended the standard set of OpenStack services to include application life cycle management, continuous deployment, management and security. This supports easier migration, cloud-bursting, better security audits, and the large ecosystem of compatible tools and services that work across cloud providers that support OpenStack.

A fundamental part of the HP Converged Management and Security solution, HP Converged Infrastructure as a Service Controller (HP Converged IaaSC) provides an abstraction layer that exposes a standardized computing mesh independent of the physical compute infrastructure. This allows true separation of the deployment model. It also provides ubiquitous access to the HP Converged Management and Security solution, allowing traditional IT, private clouds, managed clouds and public clouds to be managed and secured.

The powerful combination of these elements allows the HP Converged Management and Security solution to make smart decisions on workload placement policies, such as selecting the appropriate delivery model available based on the combination of usage, data sensitivity and performance characteristics required.

The HP Converged Management and Security solution provides the following capabilities:

- Template- and model-based approaches to application and service development and deployment, with the ability to bind management and security capabilities to service models at deployment time in order to ensure common capabilities across hybrid cloud environments
- Portability across private and public cloud environments, which may include heterogeneous infrastructures, management and security tools
- Efficient delivery and management of the application release, whether the infrastructure resources are on premise, in the public cloud or in a hybrid environment across public and private clouds
- Role-based, predictive and real-time performance and risk insights across heterogeneous systems, networks and cloud environments

HP Converged Management and Security provides a portable, model-driven service life cycle that supports clients' current and future enterprise and technology strategy. Enterprises can realize the value of HP Converged Management and Security today, while HP delivers additional capabilities in the future. The concepts of HP Converged Management and Security provide an open and extensible architecture that complements and extends the available capabilities of the market-leading HP operations management, application life cycle management and security products already available.

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