HP Cloud Service Automation

Intelligent automation for building, managing and securing cloud services – from infrastructure to applications

Increasingly, leading enterprises are planning to implement private cloud and consume public cloud services, to accelerate innovation as well as deliver competitive advantage.

As enterprises look to cloud computing to deliver new, competitive solutions to market faster, there are three critical capabilities required to build and deliver those cloud services successfully and with the agility businesses require.

Enterprises need a better way to deploy and manage their applications in the cloud to take full advantage of the cloud's ability to architect for change.

Enterprises also need the ability to correctly allocate resources to ensure that resources are being used efficiently, and that performance, governance and compliance requirements also are met.

And to simplify service consumption, enterprises must also be able to automate the design, deployment, ordering and fulfillment of cloud services all through a single point of contact.

HP Cloud Service Automation
With HP Cloud Service Automation, clients can build an open, heterogeneous cloud solution that automates all aspects of system, hypervisor, middleware and application provisioning which are all dynamically aligned to business policy.

By ensuring that applications and infrastructure are automatically deployed properly the first time, every time, effort is dramatically reduced, freeing up resources, as well as lowering cost while improving compliance with organizational standards.

HP Cloud Service Automation provides:

— **Intelligent Resource Management**, which automates the complex

decision-making process of identifying and allocating available resources based on business policies, compliance, cost and performance goals.

— **Advanced Application Deployment Management**, which automates and lowers the life cycle cost of provisioning composite/Web 2.0 applications deployed into private and public clouds.

— **Advanced Configuration Management**, which improves service quality by facilitating capacity planning, service level management and rapid troubleshooting.

— **A Single, Unified Portal** where business users can request and consume both private and public cloud services, creating a single point of contact for ordering, provisioning and reporting on cloud services.

HP Cloud Service Automation is also complemented by a range of HP management and security software solutions including:

— **Application Lifecycle and Application Security Management**
  — Automates the testing of composite Web 2.0, Software as a Service and Platform as a Service applications and hybrid services

  — Assesses both the source code and live applications for cloud security vulnerabilities

  — Integrates release management to Cloud Service Automation

— **End-to-end Service Management**
  — Measures and manages the health and performance of cloud services

  — Maintains control of dynamic virtual environments with HP's run-time service model

  — Obtains a integrated business-level view of on- and off-premises service health

  — Pre-integrated to HP Cloud Service Automation

— **Security Information Event Management**
  — Captures and analyzes security event information into a single location

  — Proactively detects and remediates security threats

  — Reduces the time and cost required to maintain compliance

HP Hybrid Delivery Model

Leading enterprises recognize that there is no singular model of delivery that can be optimized to meet all core service needs. Enterprises will continue to operate in environments containing traditional, outsourced and cloud services for the foreseeable future. HP Hybrid Delivery helps clients build, manage and consume services using the right delivery model for them.

More information about HP Cloud Service Automation is available at www.hp.com/go/CSA.