

HP Cloud Service Automation for Matrix

Enable turnkey application provisioning and monitoring for HP BladeSystem Matrix

Data sheet

Overview

- One-touch provisioning, management, and monitoring of both applications and infrastructure
- Simplified deployment and scaling for private clouds
- Server lifecycle management to reduce costs and improve productivity

Introduction

There's no doubt that cloud initiatives are at the top of every IT leader's agenda. More and more, business units are bypassing IT and going straight to the cloud to meet their IT requirements. While end users believe it is allowing them to respond faster to their business needs, without a comprehensive plan and governance model, they could jeopardize the security of their enterprise data and applications. Additionally, CIOs cannot effectively track, measure, and budget for this shadow IT, so businesses don't have a true picture of how their resources are used.

To regain control, IT needs to deliver solutions today that accelerate the deployment of new services that match the speed, flexibility, and economics of public clouds without the risk. That's where the combination of HP Cloud Service Automation for Matrix and HP BladeSystem Matrix come in. HP offers a turnkey approach to delivering cloud that is based on technology that you already know and trust.

Key capabilities

HP Cloud Service Automation for Matrix builds on the HP BladeSystem Matrix platform. HP BladeSystem Matrix provides the backbone for your private cloud. It includes a complete converged infrastructure platform of servers, storage, and network all managed with software, including an integrated service designer, self-service portal, auto-provisioning capabilities, and the tools to manage and optimize resources. HP Cloud Service Automation for Matrix delivers the following key capabilities:

- **Application provisioning** that enables IT to provision platforms and applications to the appropriate infrastructure quickly and easily—all through one service template definition

- **Agentless monitors** that are automatically deployed when new services are delivered through Matrix, helping to ensure the availability and performance of distributed IT infrastructures and application components
- **Complete lifecycle management** for physical and virtual servers and applications—from establishing a baseline to provisioning, patching, configuration management, and compliance assurance

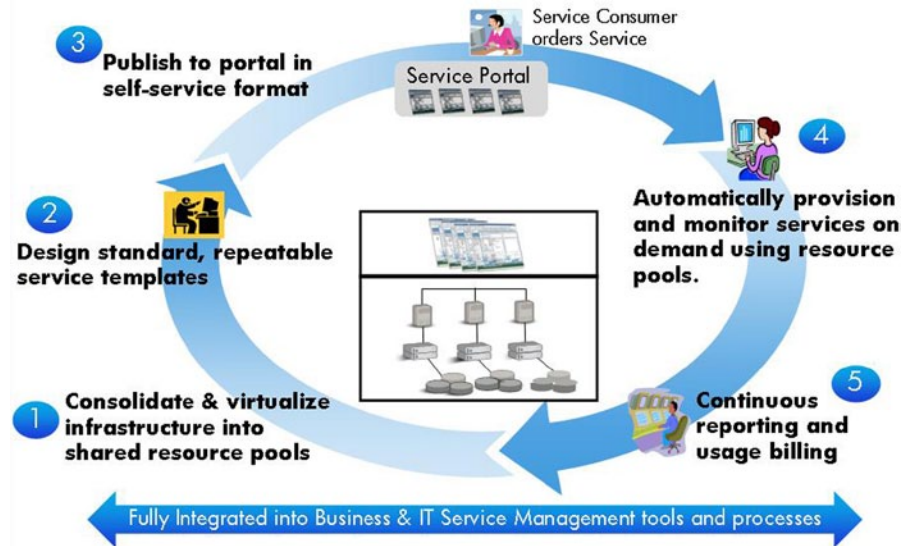
Cloud lifecycle

HP Cloud Service Automation for Matrix, together with HP BladeSystem Matrix, delivers a broad range of critical features that help enterprises perform the key functions necessary to deliver a private cloud:

- **Consolidate and virtualize the infrastructure into shared resource pools.** Consolidation and virtualization enable you to source resources internally or externally and assemble them dynamically from server, network, storage, compute, memory, and input/output pools.
- **Design standard, repeatable service templates.** Standard, repeatable templates for cloud services that define server, storage, network, and applications requirements as well as other service parameters—such as lease life, costs, workflows, and approvals—can reduce cost and effort and improve results going forward. HP Cloud Service Automation for Matrix filters and displays the applications and software policies that are applicable to specific server groups. Customers can then select a specific application as part of the overall service template, thereby defining both infrastructure and applications in one service template.
- **Make it possible to publish to a portal in a self-service format.** Once the cloud service templates are designed, they can be published to a self-service portal where users can select from a catalog of IT-approved services. While BladeSystem Matrix enables customer to offer infrastructure services that could include physical or virtual servers and operating system, Cloud Service Automation for Matrix enables applications to be included in the catalog of services.



Figure 1
HP Cloud Service Automation for Matrix turnkey private cloud lifecycle



- **Automate the provisioning and monitoring of applications and infrastructure.**

Resource pools and the service template referenced above enable automated provisioning of both the infrastructure (server, storage, networking) and the applications (platforms, operating systems, middleware, business applications) governing the installation order and reducing the time involved from months to minutes. Once BladeSystem Matrix provisions the service, it automatically informs HP Cloud Service Automation for Matrix of the IP addresses of the associated physical and virtual servers. HP Cloud Service Automation for Matrix then automatically monitors the CPU, memory, and disk utilization of those servers. In addition, customers have the ability to easily configure application level monitoring by choosing from multiple application, database, operating system, and other monitors.

- **Enable server lifecycle management.**

HP Cloud Service Automation for Matrix provides full server lifecycle management, including patching of the operating system and applications and compliance verification and reporting.

What is included

HP Cloud Service Automation for Matrix is based on our industry-leading products:

- **HP Server Automation** software provides complete lifecycle management for physical and virtual servers and applications—from establishing a baseline to provisioning, patching, configuration management, and compliance assurance.

- **HP SiteScope** software is an agentless monitoring solution that ensures the availability and performance of distributed IT infrastructure and application components.

The solution is built on the industry's first converged infrastructure platform, **HP BladeSystem Matrix**, and allows you to instantly adjust to dynamic business demands and transform the economics of your data center.

Getting started

By moving to HP Cloud Service Automation for Matrix, you can start getting the benefits of a private cloud right away and position yourself for future growth.

If you already have HP BladeSystem Matrix, you can use your existing interface for one-touch provisioning, management, and monitoring of both applications and infrastructure with HP Cloud Service Automation for Matrix. As your needs grow, you can use additional functionality in HP Cloud Service Automation to grow your cloud footprint.

To learn more, contact your HP sales representative, or visit us at <http://www.hp.com/go/csa4matrix>.

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