

RED HAT CLOUDFORMS

Unified management for hybrid environments

DATASHEET

UNIFIED MANAGEMENT

Comprehensive management across virtualization, private cloud, public cloud, and container-based environments.

COMPLETE LIFE-CYCLE MANAGEMENT

Go beyond self-service and gain provisioning, integration, resource management, operational management, retirement, and financial reporting.

OPERATIONAL VISIBILITY

Discover and map resources and their relationships. Keep up to date with continual monitoring of managed resources.

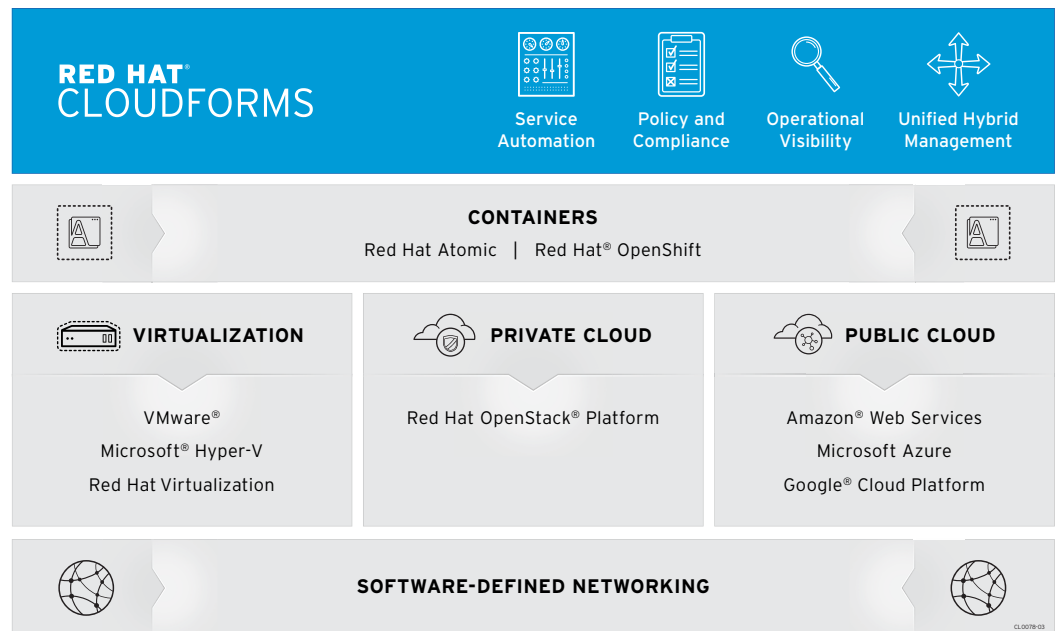
COMPLIANCE AND GOVERNANCE

Automatically enforce policy across all environments with support from comprehensive insights and detailed logging.

PRODUCT OVERVIEW

IT infrastructure is not static. Technology advancements and business demands have pushed IT departments to embrace hybrid environments – those composed of virtualization, private or public cloud platforms, and container-based infrastructures. As the platforms have changed, so have the requirements for IT operations. Now more than ever, managing IT operations means focusing on enabling services rather than managing systems; establishing trusted processes for compliance rather than controlling everything; and automating the infrastructure to deliver greater responsiveness.

Red Hat® CloudForms offers unified management for hybrid environments, providing consistent processes and functionality across infrastructures. Its self-service ordering with automated provisioning and policy enforcement helps enterprises accelerate service delivery, and Red Hat CloudForms gives IT managers complete operational and life-cycle control over the deployed services. In this way, customers can improve service levels while retaining operational control in a secure and compliant environment.



FEATURES AND BENEFITS

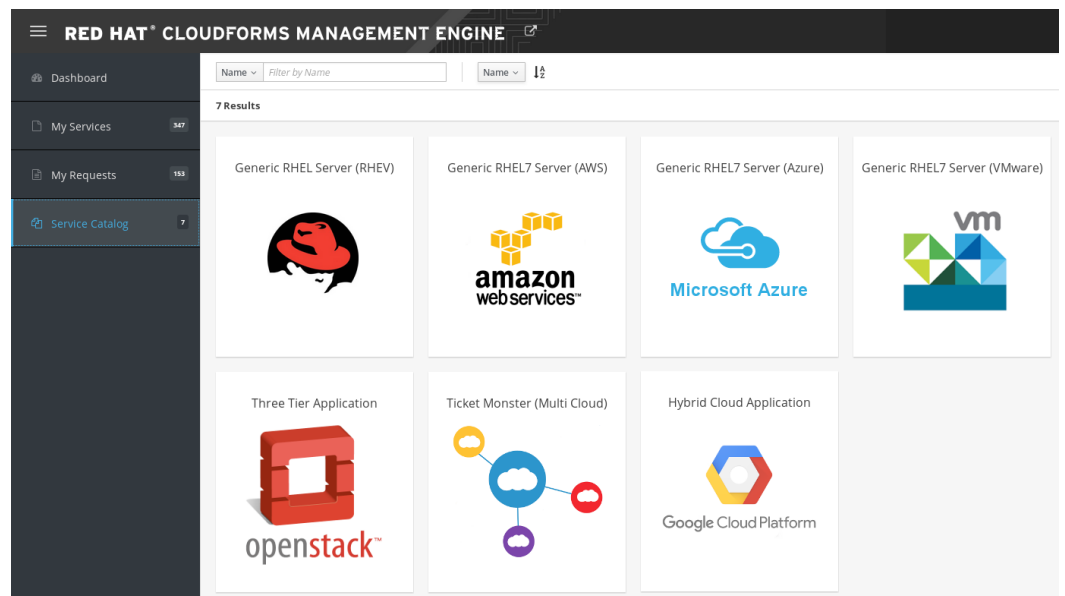
Red Hat CloudForms provides IT operations with greater visibility through continuous discovery, monitoring, and deep inspection of resources. It can provision new resources or discover existing ones, allowing IT operations staff to visualize and understand the relationships between them, track down root causes, and plan for future scenarios.



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Building on the deep insights and collected data, Red Hat CloudForms ensures compliance and governance using automated policy enforcement and remediation. Policies ensure that resources remain compliant with corporate and regulatory requirements. And if Red Hat CloudForms detects an out-of-compliance state, it can raise alerts or automatically remediate the issue. Throughout this process, Red Hat CloudForms tracks actions and maintains audit logs to create a clear timeline of events.

Red Hat CloudForms is designed to deliver a quick return on investment; its virtual appliance format and agentless design allows it to scan existing infrastructure in a short amount of time. In addition, its robust integration capabilities allow it to connect to existing IT operations environments for a fully automated IT process.



KEY FEATURES

- Provides a unified and consistent set of management capabilities across:
 - Virtualization platforms (e.g. Red Hat Virtualization, VMware vRealize, and Microsoft Hyper-V)
 - Private cloud platforms based on Red Hat OpenStack® Platform
 - Public cloud platforms (e.g. Amazon Web Services, Microsoft Azure, and Google Cloud Platform)
 - Container-based environments (e.g. Red Hat OpenShift)
 - Software-defined networking environments (e.g. native networking capabilities for OpenStack Neutron, Amazon Web Services, Microsoft Azure, and Google Cloud Platform)
- Integration with Ansible Tower by Red Hat, easing the development of automated process flows using hundreds of community-contributed playbooks
- Complete life-cycle management, including provisioning, reconfiguration, deprovisioning, and retirement

- Operational management required to start, stop, flex, and scale deployed services
- User-based resource quotas, usage monitoring, and financial chargeback
- Forensic analysis using SmartState on virtual machine instances as well as timeline and event tracking that informs root cause analysis
- Relationship mapping throughout the infrastructure levels – from application containers to physical systems and networks
- Resource trend tracking to inform capacity and what-if scenario planning
- Configuration auditing to prevent improper service deployment
- Policy infraction alerts with automated remediation
- Change tracking and audit logs that record all actions



ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.



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