# RED HAT CLOUDFORMS™

# CLOUD AND VIRTUALIZATION OPERATIONS MANAGEMENT

DATASHEET

## INSIGHT

Gain comprehensive visibility into utilization, performance, configuration, and operational activities

## CONTROL

Enable real-time, policy-based enforcement to ensure reliability, availability, and security

## AUTOMATION

Gain process, task, and event automation with model-driven workflows

## INTEGRATION

Achieve bidirectional integration with existing infrastructure and management tools

## ANALYTICS

Gain analytics insight with self-learning capabilities for normal operating ranges, trends, bottlenecks, and efficiency
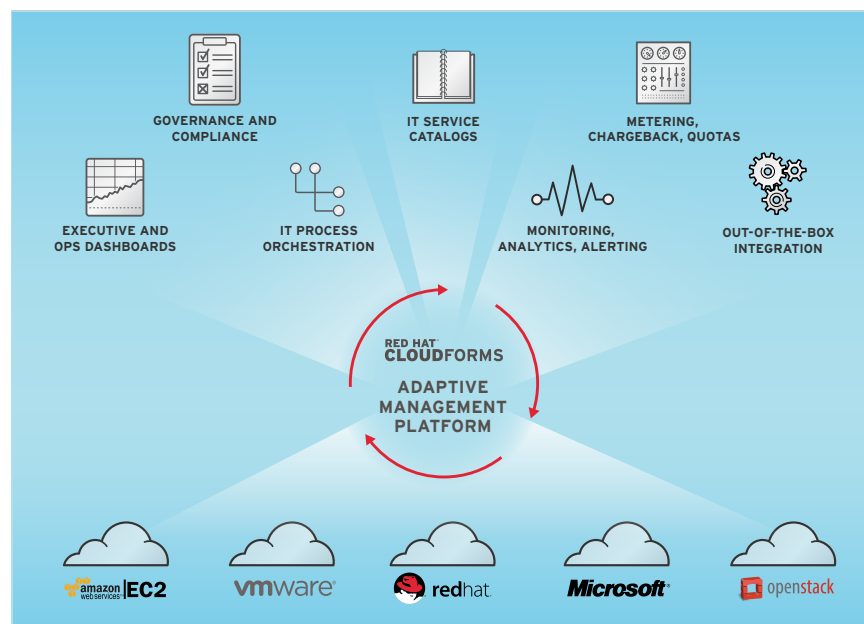
redhat.com

## PRODUCT OVERVIEW

Managing private and hybrid clouds requires new management capabilities that need to be tightly integrated to ensure operational efficiency, resource optimization, and high availability.
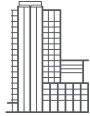
The underlying complexity and highly dynamic nature of cloud environments require solutions that simplify operations and administration so the focus can be on service delivery, not building, integrating, and maintaining a portfolio of disparate management tools. Enterprises should avoid cloud "tool sprawl," which requires separate tools for each different environment, platform, and service delivery model.

Red Hat® CloudForms provides unified cloud management that enables organizations to rapidly transform their existing virtual infrastructures into highly scalable, private clouds as well as take advantage of public cloud resources. For private cloud implementations on OpenStack®, CloudForms allows organizations to reduce execution time by automating key processes on Red Hat Enterprise Linux® OpenStack Platform, including self-service provisioning, workflow processes with approvals, capacity and utilization, quota enforcement, intelligent workload placement, and post-provisioning operations – giving customers full life cycle management of OpenStack workloads. For public clouds, CloudForms support for Amazon EC2 allows organizations to use Amazon as an extension of their datacenter. It provides provisioning, capacity utilization, and life cycle management for Amazon workloads, aggregating that information together with their enterprise virtual infrastructure landscape into a single unified management console.

CloudForms has enabled customers to deploy global private clouds, accelerate service delivery, increase agility, improve service levels, and maximize resource efficiency.

## ADAPTIVE MANAGEMENT PLATFORM

CloudForms is powered by a unique Adaptive Management Platform, purpose-built for Infrastructure-as-a-Service (IaaS)-enabled enterprise clouds. This scalable, open, and extensible platform seamlessly integrates capabilities for unified management of private and hybrid clouds.
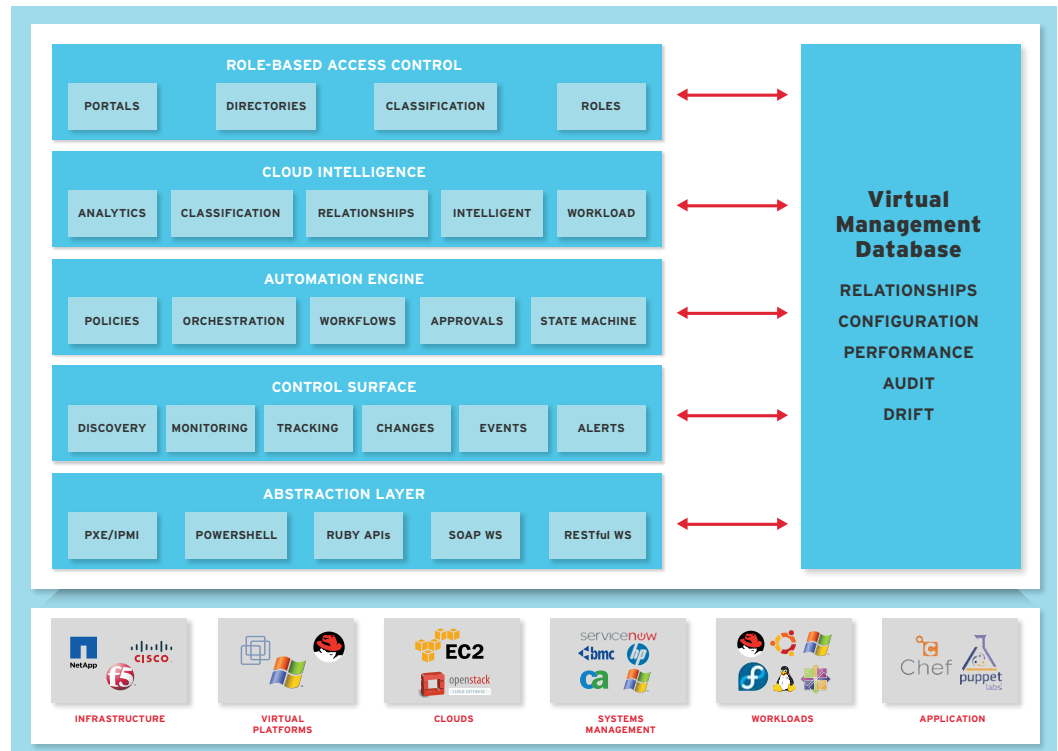


## FEATURES AND BENEFITS

- Increases agility and service levels by delivering IaaS with self-service

- Simplifies and accelerates service delivery with service catalogs, automated provisioning, and life cycle management

- Continuously monitors and optimizes infrastructure resources and workloads for maximum utilization and efficiency

- Provides cost transparency with metering, resource quotas, and chargeback

- Enables proactive management, advanced decision support, and intelligent automation through predictive analytics

- Provides comprehensive visibility and reporting for governance, compliance, and management insight

- Enforces enterprise policies in real-time, ensuring cloud security, reliability, and availability

- Increases productivity and quality with IT process, task, and event automation