

# ADVANCED MANAGEMENT SUPPORT FOR RED HAT ENTERPRISE VIRTUALIZATION

TECHNOLOGY BRIEF

## 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

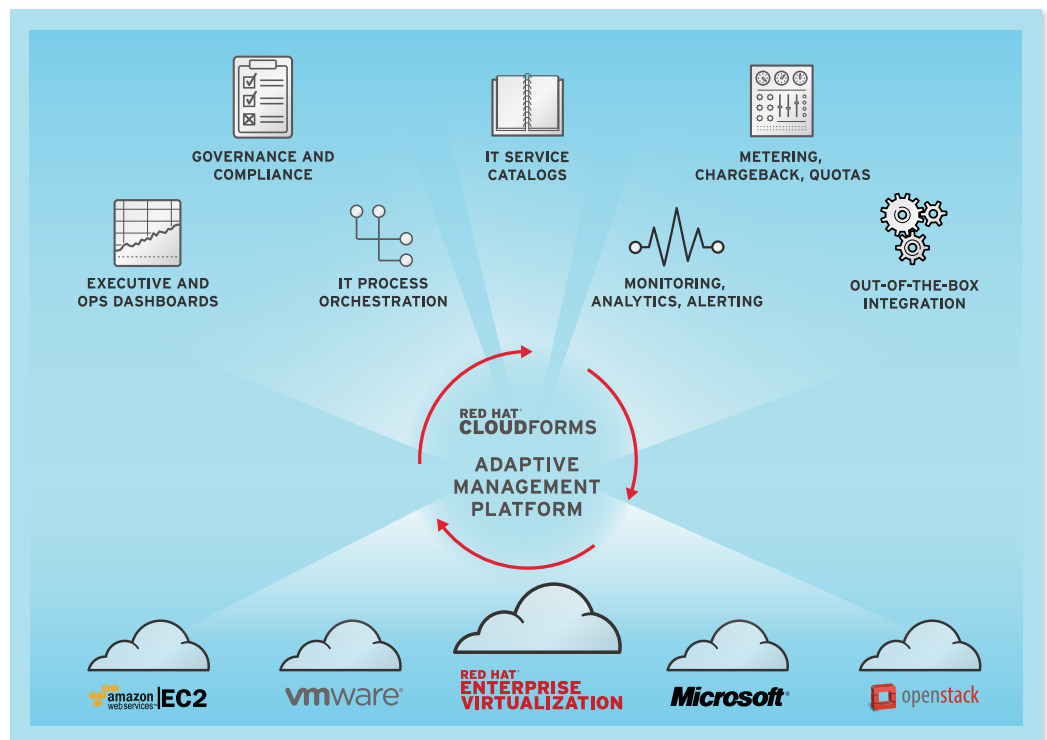
Achieve bidirectional integration with existing infrastructure and management tools.

## ANALYTICS

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

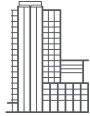
## INTRODUCTION

Organizations are seeking higher performance, increased scalability, and lower virtualization and private cloud computing costs. As a result, they are adopting open, cost-effective solutions like Red Hat Enterprise Virtualization in addition to their existing platforms. As these enterprises evolve from single-vendor, virtualized infrastructures to heterogeneous private and hybrid clouds, they need tightly integrated cross-platform management capabilities to ensure highly reliable, secure, and elastic cloud services.



## RED HAT CLOUDFORMS OFFERS ADVANCED VIRTUALIZATION MANAGEMENT

CloudForms enables organizations to extend existing virtual infrastructures into highly scalable, enterprise clouds. The solution removes the high costs and complexities of cloud infrastructures by delivering key management capabilities in a comprehensive solution. It provides enterprises a quick-to-deploy and easy-to-use cloud management solution for rapid time-to-value. The solution provides a single management interface and a seamless user experience across multiple virtual and cloud platforms, including Red Hat Enterprise Virtualization and VMware.



## ABOUT RED HAT

Red Hat is the world's leading provider of open source solutions, using a community-powered approach to provide reliable and high-performing cloud, virtualization, storage, Linux, and middleware technologies. Red Hat also offers award-winning support, training, and consulting services. Red Hat is an S&P company with more than 70 offices spanning the globe, empowering its customers' businesses.

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## RED HAT ENTERPRISE VIRTUALIZATION

The Red Hat Enterprise Virtualization portfolio is an end-to-end virtualization solution that is designed to enable pervasive datacenter virtualization and unlock unprecedented capital and operational efficiency. Combined with the Kernel-based Virtual Machine (KVM) hypervisor, Red Hat Enterprise Virtualization delivers a secure, robust virtualization platform with unmatched performance and scalability for Red Hat Enterprise Linux® and Windows guests.

## FEATURES AND CAPABILITIES

The integrated CloudForms and Red Hat Enterprise Virtualization solution includes:

- Expanded management capabilities in Red Hat Enterprise Virtualization environments with discovery, performance monitoring, configuration management, policy-based standards enforcement, role-based delegation, infrastructure automation, and self-service provisioning.
- Federated management of large and distributed Red Hat Enterprise Virtualization infrastructures from a single management interface, enabling enterprises to rapidly scale out their Red Hat Enterprise Virtualization deployments.
- Streamlined hybrid cloud management and automation for enterprises running Red Hat Enterprise Virtualization together with other platforms such as Microsoft and VMware.

CloudForms is Red Hat Enterprise Virtualization-certified and optimized to run on Red Hat Enterprise Linux. Delivered as industry-standard virtual appliances (OVF) and agent-free, CloudForms is rapidly deployed and provides fast time-to-market.