

## RED HAT CLOUDFORMS DATASHEET

# RED HAT CLOUDFORMS OPEN HYBRID CLOUDS: TAKE CONTROL

Build and manage open hybrid clouds and applications delivered via governed self service

### ANALYST VIEW:

"Our research shows that 80 percent of enterprises cite the lack of interoperability standards as a challenge in adopting cloud computing services. Red Hat is on the right track with cloud by accelerating interoperability and portability to prevent cloud lock-in."

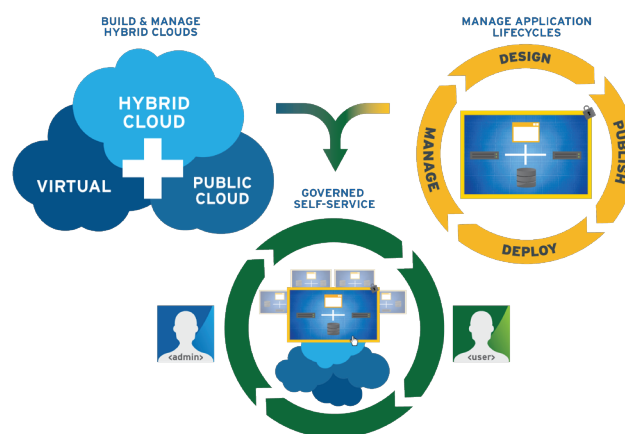
Gary Chen, Research Manager,  
Enterprise Virtualization  
Software at IDC

### TO LEARN MORE, VISIT:

[redhat.com/products/cloud-computing/cloudforms](https://redhat.com/products/cloud-computing/cloudforms)

## COMPLETE FRAMEWORK FOR OPEN HYBRID CLOUD MANAGEMENT

Organizations are attracted to public cloud providers because of their ability to deliver computing services on-demand at a fraction of the cost of existing enterprise IT organizations. This attraction leads an organizational desire to bring these public cloud characteristics to their own datacenters. In doing so, IT becomes more agile, more responsive, and more strategic to the organization, while improving services delivered at lower costs.



CloudForms delivers capabilities in three key categories:

- Build and Manage Open Hybrid Clouds
- Manage Cloud Application Lifecycles
- Enable Governed Self-Service Deployment

**Red Hat CloudForms** lets you create and manage Infrastructure-as-a-Service (IaaS) hybrid clouds that make self-service computing resources available to users in a managed, governed, and secure way. CloudForms redefines the IaaS cloud market by incorporating both comprehensive application lifecycle management and the ability to create open hybrid clouds from the broadest range of computing resources. It also offers portability across multiple heterogeneous virtualization platforms and extends to the public cloud.

Unlike other solutions, only CloudForms enables you to deploy and manage applications across

multiple resources based on a single application template, known as an Application Blueprint, using policies, such as where it can run, how it should be optimized, who can use it, and more. With CloudForms, open standards permit the use of tools and software from a wide variety of vendors, giving you options and choices while preventing single vendor lock-in.

## BUILD AND MANAGE AN OPEN HYBRID CLOUD

Red Hat CloudForms enables building an open hybrid cloud architecture by allowing organizations to:

- Use multiple virtual platforms and public cloud resources together in a private cloud.
- Group infrastructure resources into clouds that can be utilized for different functions, such as development, test, and production (e.g., a test cloud with resources from a public cloud provider, while a production cloud contains resources from multiple hypervisors).
- Use resources from multiple resource providers and combine them into the same cloud pool.

## CloudForms Features

### Build & Manage Open Hybrid Clouds

**Openness:** open source and open standards ensure the ability to select the best technology now and in the future while preventing vendor lock-in and providing application portability across clouds

**Hybrid Cloud:** combines resources from multiple virtual platforms and the public cloud while defining policies to control resource consumption by workloads

### Manage Application Lifecycles

**Environments:** control progression and consumption of software and configuration for application definitions in the cloud, allowing users to model the classes and progression of workloads across development, test, and production phases

**Content and Subscriptions:** brings software products, packages, and errata into a content and configuration library that can be managed across Application Lifecycle Environments

### Govern Self-Service

**Self-Service Portal:** gives users access to their catalog containing Application Blueprints for workloads they can launch

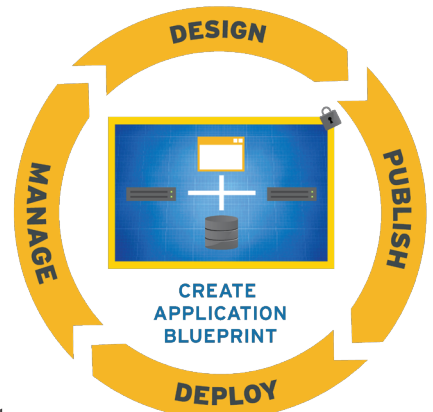
**Construct Policies:** IT sets where applications run, how they are optimized, and who accesses them for compliance, security, and governance

## MANAGE CLOUD APPLICATION LIFECYCLES

Open hybrid clouds require tools to manage applications across heterogeneous infrastructure from the time they are provisioned through ongoing care and feeding. By only building the cloud infrastructure layer, only part of the problem is solved.

The robust application lifecycle management tools that CloudForms delivers offers the ability to provide self-service access to complex application stacks rather than lower-level infrastructure. CloudForms enables administrators to define a single Application Blueprint that enables the application to run on a wide variety of infrastructure types. CloudForms allows you to manage the compliance and governance of running applications against their blueprints, including the ability to apply updates and security errata as well as manage subscriptions.

CloudForms manages the application throughout its lifecycle giving you the best of both worlds: rapid deployment and easy management. This reduces the problems of management complexity and compliance created by first-generation proprietary cloud implementations.



## ENABLE GOVERNED SELF-SERVICE

Cloud computing can be highly disruptive to the processes and tools organizations use for managing legacy systems and applications. A cloud self-service portal removes a key tool for managing compliance, security, and governance—namely, software provisioning—and puts it in the hands of end users who don't know or care about it. CloudForms provides a GUI with role-based access control to an application catalog built by administrators. CloudForms allows IT infrastructure administrators to create a robust set of policies defining which applications can run, how they should be optimized, and who can access them.

Only Red Hat CloudForms brings together the ability to build and manage an open hybrid cloud with the necessary application lifecycle management and rich policy controls needed to meet the needs of the business while also satisfying governance requirements.

## RED HAT SERVICES

A complete cycle of cloud services built to facilitate and simplify your journey to cloud computing.

### Cloud Solution Architecture Service

Accelerate your organization's transition to an open hybrid cloud. The engagement includes solution definition, installation, configuration, and acclimation of CloudForms, ensuring your organization realizes success from day one.

### CloudForms Integration Services

Custom-scoped engagements to help you extend the functionality of your Red Hat CloudForms deployment to meet the specific needs of your environment.

### Training Services

Four-day course that focuses on how to configure Red Hat CloudForms to manage machines in a private cloud, transition to a public cloud and finally deploy machines in a hybrid cloud. (Available Summer 2012)

## SALES AND INQUIRIES

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