



Red Hat CloudForms

<Presenter>

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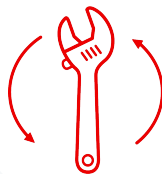
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CloudForms Use Cases

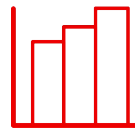
CLOUDFORMS OFFERS



On-Premises IT Lifecycle Management -
Discover & manage existing
infrastructure and unify management
across private cloud environments



**Policy Driven Self-Service
Provisioning and Day 2
Operations -** Implement
corporate infrastructure
policies.



Capacity Planning - Control sprawl,
optimize capacity, and right-size
workloads

Business Values



**OPERATIONAL
EFFICIENCY**



**USER
EXPERIENCE**



**POLICY &
COMPLIANCE**

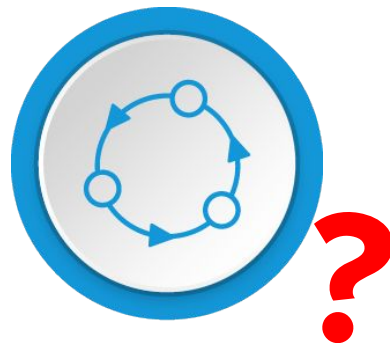


**TIME TO
MARKET**

IT Operational efficiency



- How many nodes/ networks / storage do I actually have across all my deployments?
- Where are my resources located and how are they connected?
- How can I troubleshoot issues across the stack?
- How can I automate common tasks?



IT Operational efficiency



- CloudForms continuously discovers your infrastructure in near real time.
- CloudForms discovers and visualizes relationships.
- CloudForms tracks compute, storage and networking.
- CloudForms offers custom automation via control policy or UI extensions.



User Experience



- Are my configurations correct and not drifting?
- How I can get notified of issues?
- Are my resources sized correctly?
- Do I have enough spare capacity?
When will I run out?



User Experience



- CloudForms enforces configuration and tracks it over time.
- CloudForms alerts on performance thresholds or other events.
- CloudForms offers right-sizing recommendations.
- CloudForms provides optimization and planning capabilities



Policy & Compliance



- Do my nodes and VMs comply with my enterprise policy?
- Are my developers using untrusted software?
- Do I have VMs running with unauthorized users?
- Has my configuration changed over time?
- How can I limit permissions on my users?



Policy & Compliance



- CloudForms finds and marks nodes and VMs non-compliant with policy.
- CloudForms retrieves packages, init processes and files.
- CloudForms can retrieve information about users and groups.
- CloudForms can compare the VM config over time
- CloudForms can provide granular RBAC in OpenStack as well as tenant synchronization



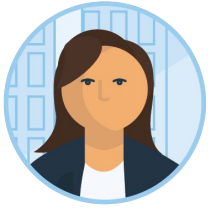
Time To Market



- How can I select what's available for my users?
- How can I standardize my deployments?
- How can I automate the most common tasks?
- How can I speed up my deployments?



Time To Market



- CloudForms offers a service catalog
- You can create custom buttons with specific scopes
- CloudForms ships Ansible Automation insider
- You can customize your state machines to include any step you want

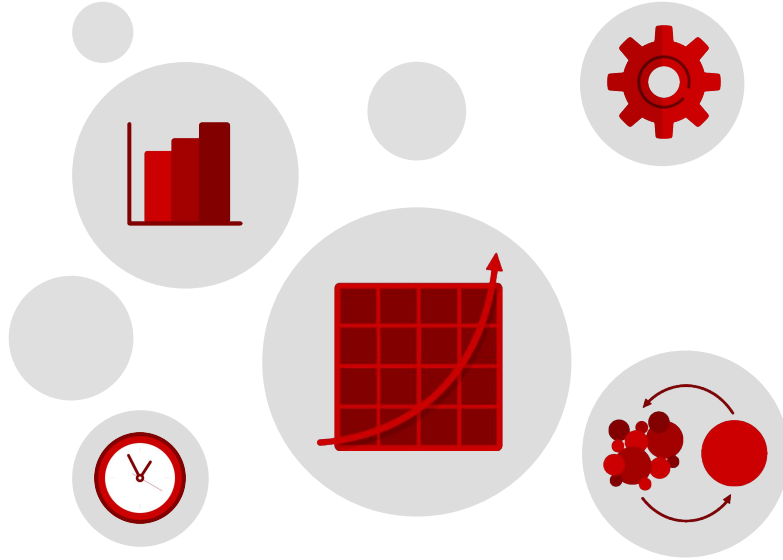


What is CloudForms

Red Hat® CloudForms® is an on-premise infrastructure management platform that allows IT departments to control users' self-service abilities to provision, manage, and ensure compliance across virtual machines and private clouds.

Red Hat CloudForms

Orchestration and Management for Virtualization and Private Cloud



Discovery
Capacity Planning
Reporting
Auditing Compliance
Analysis
Monitoring
Orchestration
Policy

Features

Discover existing objects like VMs,
Instances, Clusters, Hosts, ...



Features

Collect Usage data to calculate trends
and identify bottlenecks



Features

Use collected data to create reports



Features

SmartState Analysis to enforce Compliance



Features

Detect drift for root cause analysis



Features

Monitor load of VMs, Hosts, Datastores
and Networks



Features

Provisioning and Lifecycle Automation

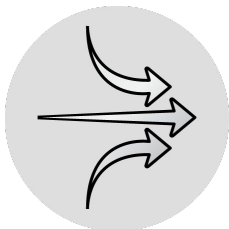
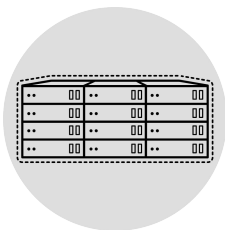


Features

Policies to alert and perform action for
specific events



Infrastructure Migration Solution

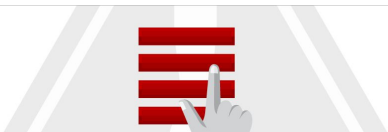


- Combines technologies, consulting services, and leading subscriptions to deliver significant infrastructure savings
- Alternative platforms including Red Hat Virtualization and Red Hat OpenStack Platform
- Provides a modern, flexible infrastructure supporting hybrid cloud and cloud-native architectures
- Safely migrate from proprietary virtualization to flexible open source alternatives

<http://red.ht/possibilities>

Infrastructure Migration Solution

Three aspects to successful migration



Planning and platform setup

- Define approach and architecture
- Operationalize alternative platform
- Identify and characterize VMs for migration



Migration tooling and approach

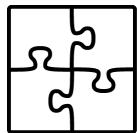
- Included comprehensive tooling for VM migration.
- Analyze workloads and develop an approach for migration with key stakeholders to ensure success



Migration execution

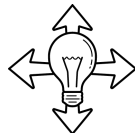
- Validate and refine migration approach
- Pilot migration of a representative set of workloads
- Set the stage to migrate thousands of workloads with a strategic approach and proven tools

What's new in CloudForms 5.0?



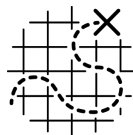
Ansible Automation

Ansible Scalability Improvements



Providers

New or Updated integrations



User Experience

Ease of Use, Consistency



Migration

From 4.7 to 5.0

Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.



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