

# Infrastructure migration solution and Red Hat Ansible Automation Platform

## **Better together**

Red Hat's infrastructure migration solution helps customers migrate from expensive, proprietary virtualization infrastructures to modern, flexible alternatives in a safe and methodical manner. Organizations extricate themselves from long-term contracts and realize significant savings, allowing for accelerated adoption of transformational technologies while reducing infrastructure redundancy, obsolescence, and complexity.

These transformational technologies often include Kubernetes orchestration, multicloud management solutions, or exploration of container-native virtualization. Frequently, organizations choose to use these newfound savings for holistic implementation and enterprise support for a technology that is already likely in widespread use across their environments: Red Hat® Ansible® Automation Platform.

Ansible Automation Platform is a radically simple IT automation tool that automates cloud provisioning, configuration management, application deployment, intra-service orchestration, and many other IT needs. Designed for multtier deployments, Ansible Automation Platform models your IT infrastructure by describing how all of your systems interrelate, rather than just managing one system at a time. It uses no agents and no additional custom security infrastructure, so it is easy to deploy—and most importantly, it uses a very simple language (YAML, in the form of Ansible Playbooks) that allows you to describe your automation jobs in a way that approaches plain English.

The combination of Red Hat's infrastructure migration solution and Ansible Automation Platform empower organizations to maximize savings, streamline architectures and processes, and build a foundation for hybrid cloud adoption. In this brief, we explore specific examples of how these combined technologies position your organization for long-term success.

## **Decouples your underlying platform**

A key Ansible Automation Platform benefit is the ability to abstract and automate configuration and other updates across multiple footprints. As a result, organizations can decouple their workloads from the underlying platforms, ensuring that competitive advantage can be gained through the applications themselves. By using the infrastructure migration solution to move to Red Hat's open source platforms, then relying on Ansible Automation Platform to automate environments, customers can build a fully decoupled innovation platform without fear of manual updates, incongruent configurations, and proprietary restrictions.

## **Enhanced tooling**

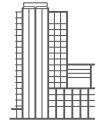
A central component of the infrastructure migration solution is the tooling. It provides a point-and-click user interface to migrate virtual machines from vSphere to Red Hat platforms in a methodical and intuitive manner. The use of Ansible Automation Platform elevates this tooling by automating a variety of tasks beyond the tool's normal pattern of use—regardless of the tasks' unique qualities or potential complexity.



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## About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry leading operating system, and automate, secure, and manage complex environments. Award winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.

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## A better alternative for disaster recovery

Other disaster recovery offerings limit functionality to their own virtual machines. However, with Ansible Automation Platform, organizations can automate disaster recovery in a more granular and wide-reaching manner, spanning platforms, networks, containers, pipelines, and much more. When combined with the infrastructure migration solution, the complementary technologies provide an automated, security-focused path to open hybrid cloud.

## Skills investment

Transformational technologies, such as automation, containers, big data, function-as-a-service, and machine learning, are all fundamentally linked to open source and the Linux® operating system. The skills required to implement and manage these technologies are deeply rooted in the knowledge of Linux, Ansible, Kubernetes, and other open source technologies. As a result, many enterprises are increasing their use of Red Hat technologies to ensure that employees are equipped for current and future success. The use of Ansible Automation Platform, and the migration to Red Hat platforms, allows customers to invest in these durable skills.

## From service catalog to infrastructure as code

Ansible Automation Platform has deep integration with Red Hat Virtualization and other Red Hat platforms, helping customers automate post-installation tasks, such as datacenter setup and configuration and automated virtual machine operations. Automating virtualization functions serves as a foundational step toward creating a service catalog, and ultimately more advanced characteristics like a continuous integration/continuous delivery (CI/CD) pipeline and infrastructure as code. In short, the combination of Ansible Automation Platform and the infrastructure migration solution allows customers to reduce the complexity of their environments and accelerate DevOps initiatives.

For more information, visit [red.ht/possibilities](http://red.ht/possibilities).



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