

AUTOMATE FOR DIGITAL TRANSFORMATION WITH RED HAT, DELL EMC, AND INTEL

PARTNER SOLUTION BRIEF



86%

of IT professionals report that automation is very important or mission critical to their future cloud strategy.¹

With advanced tooling on scalable, high-performance platforms, Red Hat, Dell EMC, and Intel help your automation initiatives succeed.

EFFECTIVE DIGITAL TRANSFORMATION REQUIRES AUTOMATION

Across industries, advanced technologies and cultural innovation are fundamentally changing the way businesses operate. As part of this digital transformation, organizations must focus on improving—and sometimes replacing—business practices. A key component in these efforts is automation.

Automation of manual, repetitive, and time-consuming tasks and processes reduces the risk of inconsistencies and errors, increases productivity and reliability, and simplifies governance. It can be used to improve business efficiency across every division, including finance, sales, human resources, IT, and product development. In fact, 71% of telecommunications executives stated that IT automation is the most important enabler of their organization's long-term operational excellence.²

Red Hat, Dell EMC, and Intel deliver automation tooling on a scalable, high-performance platform that supports your automation initiatives while helping you digitally transform.

AUTOMATE YOUR BUSINESS

With [Red Hat® Ansible® Automation](#) and [Dell EMC PowerEdge rack servers](#), powered by the [Intel® Xeon® Scalable platform](#), you can automate all aspects of your IT organization and infrastructure, from operations and processes to servers, storage, network, and cloud resources. Red Hat Ansible Automation is simple, agentless technology that makes automation easy and accessible for everyone. Using a simple, human-readable language, anyone can create an Ansible Playbook to streamline tasks and processes. Ansible Automation supports integration of more than 900 third-party technologies and products using modules developed and released through the Ansible community, so you can more easily automate your environment. Additionally, Red Hat Ansible Tower delivers increased functionality at scale for enterprises, including a visual dashboard, role-based access control, job scheduling, and real-time status updates.

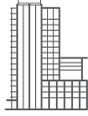
Based on the latest innovations in server design, Dell EMC PowerEdge rack servers are an ideal choice for emerging applications and deployment models, including automation tasks. Scalable architectures, flexible internal storage, and enhanced input/output (I/O) simplify workload-specific platform tuning. Embedded intelligence—using a purpose-built chip—automates the server life cycle from deployment to retirement, increasing IT productivity. Plus, advanced, integrated security features provide a strong layer of defense with rapid detection and recovery.

Using a microarchitecture optimized to accelerate a range of workloads, the Intel Xeon Scalable platform delivers leading performance for your automation tasks. Up to 28 cores and six memory channels deliver high performance for compute and memory-intensive workloads with a 50% increase in memory bandwidth and capacity over previous generations.³ Three Intel Ultra Path Interconnect channels and 48 lanes of PCI Express 3.0 increase platform scalability and improve bandwidth and throughput for I/O-intensive workloads.

¹ IDC, "DevOps Agility Demands Advanced Management and Automation." December, 2017. [redhat.com/en/resources/devops-agility-management-automation-idc-infobrief](https://www.redhat.com/en/resources/devops-agility-management-automation-idc-infobrief).

² EY, "Digital transformation for 2020 and beyond." 2017. [ey.com/gl/en/industries/telecommunications/ey-digital-transformation-for-2020-and-beyond](https://www.ey.com/gl/en/industries/telecommunications/ey-digital-transformation-for-2020-and-beyond).

³ Intel, "Intel Xeon Scalable Platform." 2017. [intel.com/content/dam/www/public/us/en/documents/product-briefs/xeon-scalable-platform-brief.pdf](https://www.intel.com/content/dam/www/public/us/en/documents/product-briefs/xeon-scalable-platform-brief.pdf).



ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

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AUTOMATE I.T. PROCESSES

While manual processes may be sufficient over short periods of time, automation is required to successfully manage modern IT environments in the long term. Creating an enterprise-wide approach lets you automate not only IT processes, but also entire technologies, teams, and organizations.

Red Hat Ansible Automation, Dell EMC PowerEdge rack servers, and the Intel Xeon Scalable platform help you automate effectively. Improve application performance and efficiency with automated provisioning of powerful compute, storage, and networking resources. Orchestrate complex workflows across a scalable, flexible processing platform to speed application delivery. Simplify infrastructure deployment by using Red Hat Ansible Automation to build environments once and recreate them on demand.

ACCELERATE I.T. RESOURCE DELIVERY

To meet the demands of digital business, development and operations teams need faster access to modern IT services and resources. However, using manual processes for provisioning and delivery can be time-consuming and add unnecessary delay.

Red Hat, Dell EMC, and Intel help you deliver high-performance, scalable IT resources needed for modern application development and deployment. Support rapid iteration and ensure predictability and consistency with an automation framework that spans your entire environment. Speed service and resource delivery to developers and line-of-business users—without compromising IT control—using policy-based, self-service catalogs. Ensure efficient infrastructure use by enforcing compute, storage, and networking resource configuration and provisioning policies automatically.

AUTOMATE COMPLIANCE AND POLICY ENFORCEMENT

As IT infrastructures grow in size and complexity, ensuring compliance with policies becomes increasingly difficult. Automating policy application and enforcement can simplify and improve compliance, governance, and security across environments.

With automatically managed, scalable processing platforms that improve consistency across configurations, Red Hat, Dell EMC, and Intel provide the tools you need to regain control over and insight into your infrastructure. Improve performance and capacity planning and management with in-depth insight into operations, workloads, and configurations. Guarantee proper and compliant resource use with automatic policy enforcement over the entire resource life cycle. Improve IT accuracy and reliability through consistent resource administration.

LEARN MORE

Effective digital transformation requires automation across your organization. Red Hat, Dell EMC, and Intel provide a high-performance foundation for IT and business automation that can help you increase productivity, consistency, and compliance. Contact your Red Hat, Dell EMC, or Intel sales representative to see how you can advance your digital transformation initiatives through automation.

Learn more about the Dell EMC and Red Hat partnership at redhat.com/dell.

Learn more about the Intel and Red Hat partnership at redhat.com/intel.