

5 reasons to include event-driven automation in your IT strategy

Achieve speed, consistency, and innovation with Event-Driven Ansible

Digital business requires reliable, resilient IT services. Automation can be a force multiplier for your teams, making work less complicated and more repeatable and efficient. In fact, 80% of surveyed business executives say that adopting IT automation is “extremely important” to the future success of their organization.¹

Event-driven automation is the next step in the journey to end-to-end IT automation. It connects operational intelligence, service requests, and decision-making to rapidly and consistently initiate predefined automated actions when specified events or conditions occur. Events can be nearly anything that happens in your IT environment: network or system slowdowns, configuration drift, changing conditions that require a response, or new service ticket entries that require action, for example. Using event-driven automation, you can speed up Day 2 operations—like ongoing management, user and device administration, provisioning, tuning, and scaling—while eliminating routine tasks that get in the way of key priorities.

[Red Hat® Ansible® Automation Platform](#) now includes event-driven automation capabilities. [Event-Driven Ansible](#) lets you rapidly create advanced end-to-end automation scenarios for a wide variety of operational needs across your IT infrastructure.

Here are 5 ways you can use event-driven automation in Ansible Automation Platform to simplify operations.

1 Resolve issues and requests

Automatically respond to issues, whether they are reported by users or identified through third-party infrastructure monitoring tools. Event-Driven Ansible is flexible, so you can specify the exact level of response you need. For example, when system, network, or security monitoring tools detect potential issues, Event-Driven Ansible can automatically reboot, reset, or shut down systems or generate a service ticket to let your staff know what happened based on intelligence from your monitoring tools—all without manual intervention.

By moving from an interrupt-driven style of working to addressing potential problems before they become urgent issues, you can improve mean time to resolution (MTTR), rapidly address high-volume routine requests, and maintain focus on key priorities instead of repetitive work.

2 Close skills gaps

Readily share essential knowledge across your teams. Event-Driven Ansible lets you document critical information and processes in a format called Ansible Rulebooks. Simply define the desired response to specific events using straightforward *if-then* rules. Ansible Automation Platform’s simple, human-readable automation language simplifies creating, sharing, reviewing, and managing automation-trusted content and knowledge across your teams.

By documenting information and processes in an executable format, you can capture knowledge from highly skilled staff and share it with all team members. Knowledge is preserved within your organization even if key staff members leave, and more members of your staff can accomplish advanced tasks to maintain consistent management and operations.

¹ Harvard Business Review Analytic Services, sponsored by Red Hat. “[Taking the lead on IT automation: IT leaders as evangelists for their automation strategies](#),” January 2022.

3 Focus on innovation

Refocus your skilled IT operations staff on what matters most to your organization. Event-Driven Ansible lets you automatically scale, tune, and manage your IT infrastructure. Using performance data from third-party infrastructure monitoring tools, you can tune systems, adjust allocated resources, and manage storage, processing, and network bandwidth in real time. As a result, you can deliver high-performance, resilient IT resources rapidly and with less effort.

By automating day-to-day IT infrastructure management, your teams can shift their focus to more innovative, interesting projects that support business needs and improve employee satisfaction.

4 Reduce risk

Automatically keep systems in compliance with policies to reduce risk. Event-Driven Ansible lets you create and maintain a single source of truth for approved corporate policies and system configurations. Define policies and configurations in Ansible Rulebooks and Ansible Automation Platform can automatically and immediately apply them to systems to maintain the desired state. Rulebooks can be reviewed and maintained to ensure that the content meets your organization's requirements over time.

By automating compliance, you can ensure that policies are applied the same way, every time, with less chance for human error. You can also respond to security events in less time to reduce risk and impact.

Learn more about Event-Driven Ansible

Access interactive, self-paced labs, informative videos, and other useful content at ansible.com/event-driven.

5 Improve efficiency

Create complete automated workflows to streamline operations across all aspects of your IT organization. Ansible Automation Platform gives you the flexibility to automate nearly any process from start to finish. You can initiate automated actions based on a wide variety of event sources. Any action that you describe in an Ansible Playbook or module, from ticket generation and fact gathering to advanced remediation and response, can also be included in a rulebook. The Event-Driven Ansible content collections include plugins, Ansible Rulebooks, and other automation content for many event sources, allowing you to get started in a short amount of time and with less effort.

By using a unified platform to automate across IT, you can overcome complexity, improve organizational efficiency, and maintain a consistent state of operations.

“Event-Driven Ansible is a possible game changer for digital enterprises needing to provide a highly resilient and consistent customer experience.”

Jevin Jensen, IDC

IDC Link, [“AnsibleFest 2022: Red Hat Ansible Expands to AWS and into Event-Driven Automation, Project Wisdom Looks to the Future of AI,”](#) October 2022. Document #US49797022.

See what analysts are saying about Event-Driven Ansible

Read [IDC's Quick Take about AnsibleFest 2022](#) to learn about the future of event-driven automation.



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