Red Hat Services Sprint Workshop: Ansible for HPE solutions

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Create a scalable foundation for IT automation

Automation is key to helping IT organizations meet deadlines and budget constraints, scale infrastructure, and innovate across hybrid and multicloud environments. However, automation is often implemented ad hoc using different or domain-specific languages and tools by separate departments. Organizations need to more easily automate processes and share automation components across projects and teams with the right level of governance and control.

Red Hat offers a two-week, remotely delivered Red Hat® Services Sprint Workshop: Ansible®. This engagement leads a cross-functional team of attendees through the basics of Red Hat Ansible Automation Platform and infrastructure as code (IaC) concepts in the style of an agile software development sprint.

Using Ansible Automation Platform, Ansible Content Collections, and use cases tailored to Hewlett Packard Enterprise (HPE) technology, attendees develop and demonstrate IT automation concepts that address immediate, real-world business needs. They also collaborate on a roadmap for future automation development and adoption throughout their organization. Participants will ideate, pair-program, demonstrate, and incorporate feedback into their automated tasks in the style of developers on an agile scrum team.

Improve team efficiency and collaboration with an Ansible-based automation culture

Designed for organization-wide efficiency, Red Hat Ansible Automation Platform can be used to automate operating systems, compute and virtualization infrastructure, storage, networking, security, cloud, DevOps tools, and more.

According to a Forrester Consulting study, 99% of decision makers report a variety of technology and business benefits from their firms' automation software investments.[3] The Forrester Wave™: Infrastructure Automation Platforms, Q3 2020 report noted that "Red Hat's solution is a good fit for customers that want a holistic automation platform that integrates with a wide array of other vendors' infrastructure."[4]

By establishing a formal Ansible automation practice, organizations can modernize their IT operations and application life cycles through a culture of automation.

This structured approach can help organizations:

▸ **Adopt an IaC approach** by uniting infrastructure provisioning with application deployment for end-to-end IT service rollouts.

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1 Haviland, Rob. *"It's time to give up the command line."* Aruba blogs, 02/27/2019.

2 *"Accelerating DevOps with HPE OneView and Ansible,"* Hewlett Packard Enterprise, 08/03/21.

3 Forrester Consulting study, commissioned by Red Hat. *"Enterprise open source automation drives innovation,"* July 2020.

4 Forrester. *"Forrester Wave: Infrastructure automation platforms Q3 2020."* Gardner, Chris, August 2020.

▸ **Improve IT security** by implementing proactive security measures to identify and remediate vulnerabilities.

▸ **Maximize IT service availability** by managing configuration drift and minimizing maintenance windows with rapid updates and fixes.

▸ **Consolidate automation efforts** and unite teams across their organization with a common platform and language.

▸ **Make automation more accessible** with role-based access control, service catalogs, and integration with IT service management (ITSM) workflows.

▸ **Capture infrastructure state** for a single-source-of-truth configuration management database (CMDB) or to perform a security audit.

Red Hat Services Sprint Workshop: Ansible details

By the end of Red Hat Services Sprint Workshop: Ansible, organizations will have established:

▸ A cross-functional IT team to support an organization-wide, Ansible-based automation practice.

▸ A GitHub repository for automation code source control management.

▸ A working knowledge of Ansible and IaC concepts.

▸ Tasks automated using Ansible Certified Collections that are ready to be reviewed for production use.

▸ A roadmap for future automation initiatives.

Engagement requirements and conditions:

▸ An active Red Hat Ansible Automation Platform subscription

▸ An internet-connected customer environment for workshop resources

▸ A maximum of 10 attendees

On-site delivery is available on a case-by-case basis, with travel and other expenses billed as incurred. Custom development and feature enhancements are outside the scope of this engagement.

About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with award-winning support, training, and consulting services.