



IBM and Red Hat Ansible

Accelerate your Business with SCC



Platinum
Business
Partner





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What is DevOps

DevOps is an increasingly common approach to agile software development that developers and operations teams use to build, test, deploy and monitor applications with speed, quality and control. DevOps is relevant to any kind of software project regardless of architecture, platform or purpose. Common use cases include: cloud-native and mobile applications, application integration, and modernisation and multicloud management.

What is Ansible?

Ansible is a configuration automation tool used to build declarative, immutable configuration across infrastructure. Using it, routine tasks involving server configuration files can be declaratively defined and automated.

One characteristic of Ansible is that all tasks should be idempotent, which means that performing an operation once has the exact same result as performing it repeatedly. This allows administrators to effectively define configuration state declaratively and have their automation run repeatedly over their infrastructure to correct problems with configuration drift.

Ansible performs operations without installing agents on the target nodes, and connects using SSH. Typically, operations are performed over multiple nodes in parallel from a single control or bastion host. The target hosts are defined in an inventory file, and hosts can be grouped together based on their role.

Automation requires an investment in time, technology, and people. Make the most of your investment with an enterprise automation platform that delivers agility and flexibility. Solve problems once. Scale automation with control and insight. Collaborate across teams. Manage policy enforcement and governance. Bring the power of automation to your whole organisation. Red Hat Ansible Automation is an industry-leading enterprise automation platform trusted by over 1500 customers across multiple verticals and geographies, backed by one of the top ten open source communities worldwide.

Business Drivers and Why IBM

Business pressures demand faster time to market. Enterprises are rapidly adopting containers, Kubernetes, and microservices to modernize their applications to gain speed, and reduce cost and complexity. But we recognize that Application Modernisation is a journey, and that existing estates of business-critical applications will not all become microservices overnight. Orchestrating deployment of multiple application types (traditional, containers, and hybrid) across multiple platform (VMs, public and private cloud, etc.), using a

proliferation of technologies and tools is proving prohibitively costly, time-consuming, and risky.

Only IBM offers a certified Cloud Pak that provide the RedHat OpenShift platform and cloud-native tools and services, but also, the DevOps tooling required to deploy, govern and test any application anywhere, regardless of where the client is on the journey to modernisation. DevOps4Cloud Pak also provides insights into how to find and crush bottlenecks in the delivery process for faster time to market.

Common Pain Points

- Risks related to Continuous Delivery
- Slow time to market
- Hard to create audit reports
- Errors related manual application deployments
- Too many tools used for deployments – need to consolidate on one CI/CD process
- No way to deploy easily to IBMz with standard tools
- Unsure how to improve speed or quality – no visibility into bottlenecks
- Poor product quality
- Unable to scale up test execution or run it easily on Cloud environments

Customer Benefits:

- Improved time to market
- Development and testing shifts left and accelerates
- Reduced number of defects in production
- Reduced testing downtime due to environment unavailability
- Better quality systems = better reputation with customers
- Cloud Performance testing provides high ROI for a low TCO



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Contact: Steve Mecklenburgh

E: Steve.Mecklenburgh@scc.com

T: 07976 013994

W: scc.com





Ansible Automation Platform & UrbanCode – Better Together

Where Ansible Shines: Automating IT Infrastructure

Everything is scripted and preserved as code

Governs security and inventory of infrastructure

Provisions cloud environments with easily reusable configurations

Great for developers and continuous delivery of the environments

Where UrbanCode Shines: Orchestrating App delivery

No scripting of orchestration, integrations; these are out of the box.

Governs application pipelines with quality gates and approvals

Orchestrates multiple pipelines of varying toolchains for an application

Great for production deployments and continuous delivery of the app.

Ansible and UrbanCode are better together:

Use Ansible playbooks to quickly spin up environments on any cloud, platform or VM. Ansible may call UrbanCode to deploy a multi-tiered app (when middleware config changes are necessary, UCD can call Ansible playbooks to manage those)

Use Ansible Automation Platform to ensure stable environments while UrbanCode Deploy drives application changes through environments

Use UrbanCode Velocity to manage the value stream and accelerate continuous delivery, use data from UrbanCode Deploy and Ansible, or other tools.

Use UrbanCode Velocity to orchestrate varying toolchains allowing teams the flexibility to chose tools, including UC Deploy & Ansible

Why SCC?

SCC has partnered with IBM for almost 40 years; SCC bridges the gap between business needs and technology to deliver world-class solutions. We know IBM inside out, from its technology to its people and vision, and whatever we do together delivers the strongest, most agile solution. Maturity in the market means SCC is regularly building complex offerings and programs. With a specialist dedicated IBM team, we are able to offer that extra support needed when helping our customers plan, integrate and manage their projects.

Call and engage with SCC now to accelerate your business.



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