

Ansible Migration AcceleratorSM

Infrastructure Automation. Consolidated, Coordinated, Compliant.

ENGAGEMENT OVERVIEW

The purpose of this engagement is to migrate multiple silos of automation tools into one implementation of Red Hat Ansible Tower and Engine. SDG consultants conduct a thorough analysis of the customer's current automation infrastructure, the digital offerings it currently manages, and the desired future state of digital offerings. Our consulting expert then creates and executes a migration plan that establishes a new consolidated automation framework, provides a migration path for existing assets, and enables cross-functional teams to develop and share automation deployment methodologies.

KEY BENEFITS

Coordinated IT

Implement one architecture, interface, and development language for all automation.

Shared Efficiencies

Obtain a clear and repeatable process to migrate legacy automation workflows.

Shared Accountability

Establish accountable, auditable, and compliant process to develop and publish automation tasks.

Culture Shift

Enable cross-functional teams to collaborate closely and effectively on automation development.

The following describes the specific phases of our Ansible Migration AcceleratorSM. Each phase builds on the previous phase, increasing the capability of the overall solution.



Phase 1 > Analysis

The goal of the analysis phase is to evaluate the existing customer automation framework for the purpose of creating a migration plan to Ansible.



TASKS

- Review of current automation architecture.
 - Existing Automation tools
 - Sample set of scripts
 - Compute, storage and network assets managed
 - Public or private cloud integrations
 - Current CI/CD architecture
 - Current ITIL, DevOps and Agile processes
 - Network architectures
 - Security, Compliance and regulatory requirements
 - IT team structure

OUTPUTS

- Ansible Migration Plan

WHAT FEATURES ARE INCLUDED?

Install Ansible Tower and Engine in accordance with your IT requirements

Develop runbooks to migrate existing automation scripts to Ansible Playbooks

Configure Playbook development environment with source code management

Train cross-functional teams to develop and share Playbooks

Phase 2 > Implementation

The goal of the implementation phase is to perform all of the tasks described in the migration plan.



TASKS

- Deploy a single clustered Ansible Tower and Engine server
- Configure initial Organization, Inventory, Project and Job settings
- Configure RBAC and bubblewrap in accordance with customer organizational structure
- Integrate Ansible with existing company IAM services
- Configure a Playbook development server integrated into existing SCM tools

OUTPUTS

- One running instance of Ansible and Tower
- Configuration of Ansible to support migration of existing automation framework

OUTCOMES

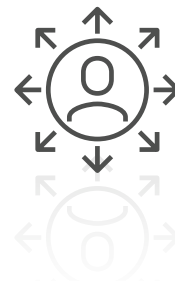
- ✓ Eliminate redundant operational and capital expenditures on automation
- ✓ Modernize automation with no business impact
- ✓ Reduce the automation related outages due to user error by 90%
- ✓ Dramatically increase the velocity of rolling out our new digital offerings

Phase 3 > Training

The goal of the Training Phase is to enable the customer to migrate all existing automation and develop future automation on Ansible.

TASKS

- Review Playbook artifacts and syntax
- Review Playbook development best practices
- Review Ansible Galaxy, Network, and Lint
- Review static vs dynamic Inventory and Content
- Migrate 1 – 3 existing automation scripts to Ansible Playbooks
- Assist customer in authoring up to 5 new playbooks



OUTPUTS

- Ansible Playbook cookbook
- Engagement journal of activities

QUESTIONS?

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