Red Hat 3scale Accelerator^{SM}

Bring Your Digital Platform to Your Customers. Quickly. Securely.

RED HAT APEX PARTNER

STONE DOOR GROUP

ENGAGEMENT OVERVIEW

The purpose of this engagement is to implement a greenfield Red Hat 3scale API Lifecycle Management Solution. SDG consultants conduct a thorough analysis of the customer's current digital business, existing applications, business objectives for exposing APIs, and requirements for identity and access management (IAM). From there, the consultant creates and executes an implementation plan that establishes a full lifecycle API management solution architecture on 3scale that provides the right API access to the right user roles with all of the required metering, chargeback, observability and security requirements. The consultant then develops and maps existing application APIs into a blueprint to publish and establish full lifecycle management.

KEY BENEFITS

Manage all APIs via one platform and one management tool

Obtain a clear and repeatable process to onboard and retire APIs

Establish accountable, auditable, and compliant process around API consumption

Enable cross-functional teams to collaborate closely and effectively on publishing APIs

The following describes the specific phases of our Red Hat 3scale Accelerator^{SM}. Each phase builds on the previous phase, increasing the capability of the overall solution.

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Phase 1 > Analysis

The goal of the analysis phase is to evaluate the existing customer application landscape and API access for the purpose of creating a 3scale implementation plan.

TASKS

- Perform a review of the following:
  - Existing applications and corresponding workloads
  - Existing hardware, network, and storage
  - Public or private cloud integrations
  - Current CI/CD architecture
  - Current ITIL, DevOps and Agile processes
  - Security, Compliance and regulatory requirements
  - IT team structure
  - Business requirements driving API access
  - Required API audiences and access (internal or external developers, customers, partners)

WHAT FEATURES ARE INCLUDED?

Define, document, and understand different roles required to access existing APIs	Implement a 3scale best-practice reference architecture in your enterprise.	Develop a blueprint for bringing APIs to internal users, customers, or developer communities	Configure 3 APIs on 3scale as a reference for future API onboarding	Configure API observability using integrated Service Mesh, Prometheus, Kiali tools

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OUTPUTS

- 3scale Implementation Plan

Phase 2 > Implementation

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

TASKS

- Deploy 3scale on Red Hat OpenShift: install operators, establish pods, routing, connection to Service Mesh.
- Configure 3scale Manager and APICast
- Configure Developer Portal
- Configure Service Mesh, Prometheus, Kiali
- Configure example audiences according to customer business requirements
- Define and configure Methods and Metrics for 3 APIs
- Promote APIs to production
- Test access to 3 APIs via different audience accounts: metering, charge-backs
- Perform load testing on APIs to generate observability metrics
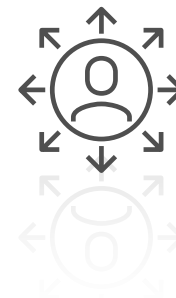- Review API observability tools

OUTCOMES

- ✓ Eliminate redundant operational and capital expenditures on application development
- ✓ Reduce time to market of digital business via a turnkey API solution
- ✓ Modernize and monetize existing applications without significant refactoring
- ✓ Dramatically increase the velocity of rolling out new API features to different audiences

OUTPUTS

- One running instance of 3scale API
- 3 APIs deployed into production
- Successful testing of access control on different API audiences

Phase 3 > Training

The goal of the Training Phase is to enable the customer to migrate existing APIs and develop future APIs to be exposed through 3scale API.

TASKS

- Review 3scale project configuration settings
- Review 3scale API lifecycle best practices
- Review promoting APIs into production
- Review API lifecycle: promotion, modification, decommissioning
- Review observability: configuration, reports, metrics

OUTPUTS

- 3scale API implementation cookbook
- Engagement journal of activities

Red Hat 3scale API Management

QUESTIONS?

Give us all call at 1-800-906-0102 or email us at sales@stonedoorgroup.com.