DO240
Cloud-native API Administration with Red Hat 3scale API Management

Manage, monetize, and secure APIs with Red Hat 3scale API Management

Build and Administer APIs with Red Hat 3scale API Management (DO240) is a hands-on, lab-based course that gives SREs and administrators an introduction to managing cloud-native APIs with Red Hat® 3scale API Management. This course enables developers and administrators to install, administer, monetize, secure and document your cloud-native APIs.

This course is based on Red Hat 3scale API Management 2.11.

Course content summary

- Understand 3scale API Management architecture and primary features.
- Learn typical API use cases and strategies.
- Install 3scale API Management on OpenShift.
- Establish and configure subscription plans and rate limits.
- Configure and customize the API gateway using policies.
- Monitor and analyze API traffic.
- Configure and test API service discovery.
- Configure a developer portal and monetize your APIs.
- Configure API security using tokens, API key-pairs, and OAuth/OIDC using Red Hat Single Sign-on (SSO).

Audience for this course

- Site Reliability Engineers and OpenShift Administrators interested in using 3scale API Management to manage, monitor, secure, and monetize their cloud-native APIs.

Prerequisites for this course

- Complete [Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280)](#) or demonstrate equivalent knowledge.
- Familiarity with testing REST APIs and security concepts like API keys, tokens and OAuth/OIDC.

Outline for this course

- **Introduction to Red Hat 3scale API Management**

  Describe API management concepts and the architecture of Red Hat 3scale API Management.

- **Manage APIs with Red Hat 3scale API Management**

  Manage your cloud-native APIs with the Red Hat 3scale Admin Portal.

- **Manage and customize API gateways**

  Configure and customize the API Gateway using standard policies.

- **Secure APIs with Red Hat 3scale API Management**

  Secure access to APIs using various mechanisms.

- **Create a developer portal**

  Configure Developer Portals for external consumption and documentation of your APIs.

- **Monitor APIs with Red Hat 3scale API Management**

  Configure monitoring and analytics for APIs and the 3scale API management infrastructure.

- **Monetize APIs with Red Hat 3Scale API Management**

  Monetize APIs by configuring billing plans and pricing rules.

Impact on the individual

As a result of attending this course, you will be able to accelerate the adoption of your APIs for consumption by your customers, partners, and internal users by using 3scale API Management. You will be able to achieve this through learning and demonstrating the following skills:

- Install and configure 3scale API Management.
- Create, manage, monitor and monetize APIs.
- Establish and configure API subscription plans and configure rate limits.
- Create developer portals for documenting your APIs and onboarding developers and partners.
- Secure access to your APIs using API keys, key-pairs and OAuth/OIDC using Red Hat Single Sign-on (SSO).