

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

Course code: D0241

Manage, monetize, and secure APIs with Red Hat 3scale API Management. Cloud-native API Administration with Red Hat 3scale API Management with exam (D0241) 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. The Red Hat Certified Specialist in API Management exam (EX240) is also included in this course.

Who is the course for

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

What we teach you

- 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).

Required skills

- Take our free assessment to gauge whether this offering is the best fit for your skills.
- Complete Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (D0280) or demonstrate equivalent knowledge.
- Familiarity with testing REST APIs and security concepts like API keys, tokens and OAuth/OIDC.

Course outline

- 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.

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