Red Hat 3scale API Management 2.10

Release Notes for Red Hat 3scale API Management 2.10 On-premises

Document intended for use with Red Hat 3scale API Management 2.10

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Abstract

This document informs users about the latest and Technology Preview features, as well as resolved issues, associated documentation, and known issues in Red Hat 3scale API Management 2.10

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PREFACE

This document is intended for use with Red Hat 3scale API Management 2.10 On-premises.

CHAPTER 1. NEW FEATURES

1.1. MAJOR FEATURES

- Support for zero downtime upgrades (JIRA #4722 and JIRA #4723).
- Additional operator enhancements: added monitoring resources for System & Zync components though Grafana and Prometheus (JIRA #4743 and JIRA #4744).
- Support for Oracle as an external database on OpenShift 4.x deployments (JIRA #2998).
- APIcast gateway adapted to support a validated cryptographic module with FIPS 140-2, exclusively for all operations relating to the decryption and encryption of SSL/TLS and HTTP/2 traffic (JIRA #5337).
- Possibility to configure the limits for request and response payload size (JIRA #5244).
- Support for PROXY protocol in IP Check Policy of APIcast (JIRA #5366).
- Enhancements in the user experience and user interface for a renewed Dashboard, and standalone pages for Products and Backends.

1.2. MINOR FEATURES

- Automatic redirection of users to Single Sign-On if it is enforced for an account (JIRA #2795).
- Added GET endpoint to read the Active document in the *Account Management* API (JIRA #5826).
- Improved performance of the **proxy config** and **/admin/api/service.json** endpoints, resulting in a faster retrieval of configurations when there is a large number of services (JIRA #4528).
- Monitoring resources to debug specific components (JIRA #4801).
- Added configuration of the storage space in the 3scale operator (JIRA #3652).
- Customizable resource requirements in the APIcast operator (JIRA #5964).
- Empty as a default value for the Caching policy (JIRA #1514).
- Extended features for the URL Rewriting with Captures policy (JIRA #6270).
- In the 3scale Admin Portal, **Account Settings** is now listed in the context switcher (JIRA #6241).
- After you finish the installation, you will get a link to the 3scale Master account portal in the OpenShift dashboard for your namespace (JIRA #5444).

CHAPTER 2. TECHNOLOGY PREVIEW FEATURES

- High Availability (HA) and Evaluation (Eval) OpenShift templates (JIRA #1168).
- 3scale operator for capabilities: It allows using custom resources to define 3scale tenants, APIs, plans, limits, metrics and other definitions to set them into a 3scale installation (JIRA #1798).

CHAPTER 3. RESOLVED ISSUES

- Changes made to the Stripe and Braintree payment gateway integrations:
  - Ensure you have understood the implications for each one of these payment gateways **before** upgrading 3scale to 2.10. These implication are described in Changes in 3scale: Integrating 3scale with payment gateways.
  - Using billing and integrating with Stripe:
    - Fixed issues preventing credit card charging when Strong Customer Authentication (SCA) is enforced (JIRA #6515).
    - As a result of these fixes, the text for *unsuccessfully charged* email response has been updated (JIRA #6767).
    - Documentation with the steps to configure 3scale with Stripe will be available soon.
      - **UPDATE**: For more information about integrating 3scale with Stripe, refer to Configuring Stripe as a credit card gateway .
  - Using billing and integrating with Braintree:
    - 3scale 2.10 provides a solution that is compatible only with a Braintree account which has 3DS (3D Secure) version 2 enabled. For more details, see Known Issues: Integrating with Braintree.
- The autocomplete feature for OpenAPI Specification 3.0 is not operational in the Developer Portal (JIRA #6088).
- Adding custom policies to APIcast fails on OpenShift 4 (JIRA #5515).
- The position of a mapping rule defined in a YAML file is overlooked (JIRA #5747).
- A member can see and modify ActiveDocs even if this user type is restricted to access APIs (JIRA #952).
- The complete domain name of the API can be specified in the Private Base URL (JIRA #4752).
- Messages in **Trash** cannot be viewed or restored (JIRA #1503).
- The *Search* feature of mapping rules operates inaccurately (JIRA #5817).
- When importing an OAS 3.0.2 spec, the 3scale toolbox converts custom ports to the default protocol in the Backend definition (JIRA #6192).
- **3scale-operator** version is wrong in the operator overview page (JIRA #5631).
- Multiple **apicast-** services in the same OCP project results in APIcast errors (JIRA #6315).

CHAPTER 4. KNOWN ISSUES

- Integrating with Braintree: If you upgrade to 3scale 2.10 integrated with a Braintree account without 3DS version 2, payment integration does not work. You have two alternatives:
  - Integrate 3scale with a Braintree account having 3DS version 2 enabled.
  - Consider not upgrading to 3scale 2.10, until we announce the availability of a solution for integrations with Braintree without 3DS.
- 3scale monitoring with Prometheus and Grafana performs inaccurately when showing values (JIRA #6446 and JIRA #6403).
- Sphinx searches return all the existing records if you search by the name of the class (JIRA #6405).
- Search does not work for newly created services and backends until these items are indexed the next day (JIRA #6205).
- System/Zync sometimes fails to create routes when deploying 3scale (JIRA #6391).
- User names in 3scale must be 40 characters or fewer. When a user name has more than 40 characters, 3scale usually truncates it. Consider this when you do any of the following:
  - Create a developer account.
  - Create a provider account as the master.
  - Add a user to a provider account as the provider or as the master.
  - Add a user to a developer account in the Developer Portal or in the Admin Portal.

  User names must be 40 characters or fewer when using Red Hat Single Sign-On to authenticate access to the Admin Portal or Developer Portal.

CHAPTER 5. DOCUMENTATION

Supported configurations

- Check the latest information about 3scale 2.10 supported configurations at the Red Hat 3scale API Management Supported Configurations website.

Security updates

- Check the latest information about 3scale 2.10 security updates in the Red Hat Product Advisories portal.

Erratas

- Advisory for RPMS: https://errata.engineering.redhat.com/advisory/59961
- Advisory for the Container Images: https://errata.engineering.redhat.com/advisory/59962

Upgrade guides

- Check the procedures to upgrade your 3scale installation from 2.9 to 2.10, for the following deployments:
  - Based on templates
  - Based on operators.

CHAPTER 6. CHANGES IN 3SCALE

This section announces current and future changes for 3scale 2.10

6.1. INTEGRATING 3SCALE WITH PAYMENT GATEWAYS

- 3scale 2.10 introduces changes in the Stripe and Braintree payment gateway integrations to support Strong Customer Authentication (SCA) regulations. If you are using one of these payment gateway integrations, **ensure that you understand the following points before upgrading 3scale to 2.10**:
    - Integration with Stripe: Documentation with the steps to configure 3scale with Stripe will be available soon. When the content is available, we will update this notice.
        - **UPDATE**: For more information about integrating 3scale with Stripe, refer to Configuring Stripe as a credit card gateway .
    - Integration with Braintree: If you are integrating 3scale 2.10 with Braintree, ensure your Braintree account is enabled with 3DS version 2.

6.2. DEPRECATED FEATURES

- Support for APIcast deployments running as a container in RHEL7 and Docker is deprecated. In future releases we will only support RHEL8. In case of running APIcast self-managed as a container, the recommendation is to move to RHEL8 and Podman.

6.3. REMOVED FEATURES

- Support for Oracle 12c was replaced with Oracle 19c.

6.4. FUTURE CHANGES

- Currently, when Proxy Update is used, it creates a new APIcast configuration version for the Staging environment with the updated settings. This will not be the case in future releases; users will need to use the new Proxy Config Promote endpoint for this purpose.
- Support for Redis 3.2 will be removed in future versions.

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Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see our CTO Chris Wright's message.