Red Hat OpenShift Service on AWS 4

What’s new

Highlights of what is new and what has changed in Red Hat OpenShift Service on AWS
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Abstract

The release notes for Red Hat OpenShift Service on AWS summarize all new features and enhancements, notable technical changes, major corrections, and any known bugs upon general availability.
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CHAPTER 1. WHAT’S NEW WITH RED HAT OPENSSHIFT SERVICE ON AWS

Red Hat OpenShift Service on AWS (ROSA) is a fully-managed, turnkey application platform that allows you to focus on delivering value to your customers by building and deploying applications. Red Hat and AWS site reliability engineering (SRE) experts manage the underlying platform so you do not have to worry about the complexity of infrastructure management. ROSA provides seamless integration with a wide range of AWS compute, database, analytics, machine learning, networking, mobile, and other services to further accelerate the building and delivering of differentiating experiences to your customers.

Red Hat OpenShift Service on AWS clusters are available on the Hybrid Cloud Console. With the Red Hat OpenShift Cluster Manager application for ROSA, you can deploy Red Hat OpenShift Service on AWS clusters to either on-premises or cloud environments.

1.1. UPDATING THE ROSA CLI TOOL

To use the latest version of the Red Hat OpenShift Service on AWS (ROSA) CLI, *rosa*, download the ROSA CLI (*rosa*) from the Hybrid Cloud Console. If you already have this tool, the procedure is the same for updates.

**Procedure**

1. Download the file from the Hybrid Cloud Console.
2. Unzip the downloaded file.
3. Move the file to the `/usr/bin/rosa` directory by running the following command:
   ```
   $ sudo mv rosa /usr/bin/rosa
   ```
4. Confirm your version by running the following command:
   ```
   $ rosa version
   ```

**Example output**

   `<version>`

   Your ROSA CLI is up to date.

1.2. NEW CHANGES AND UPDATES

1.2.1. Q3 2023

- **Documentation update:** The CLI Tools section was added to the ROSA documentation and includes more detailed information to help you fully use all of the supported CLI tools. The ROSA CLI section can now be found nested inside the CLI Tools heading. For more information, see [CLI tools overview].

- **Documentation update:** The Monitoring section in the documentation was expanded and now includes more detailed information to help you conveniently manage your ROSA clusters. For more information, see [Monitoring overview].
1.2.2. Q2 2023

- **ROSA regional availability update**: Red Hat OpenShift Service on AWS (ROSA) is now available in the Hyderabad (ap-south-2) region. For more information on region availability, see Regions and availability zones.

- **ROSA CLI update**: The ROSA CLI (rosa) was updated to a new version. For information about what’s changed in this release, see the release notes. For more information about the ROSA CLI (rosa), see Getting started with the ROSA CLI.

- **ROSA regional availability update**: Red Hat OpenShift Service on AWS (ROSA) is now available in the United Arab Emirates (me-central-1) region. For more information on region availability, see Regions and availability zones.

- **Hosted control planes**: Red Hat OpenShift Service on AWS (ROSA) with hosted control planes (HCP) clusters are now available as a Technology Preview feature. This new architecture provides a lower-cost, more resilient ROSA architecture. For more information, see Creating ROSA with HCP clusters using the default options.

**IMPORTANT**

ROSA with HCP is a Technology Preview feature only. Technology Preview features are not supported with Red Hat production service level agreements (SLAs) and might not be functionally complete. Red Hat does not recommend using them in production. These features provide early access to upcoming product features, enabling customers to test functionality and provide feedback during the development process.

For more information about the support scope of Red Hat Technology Preview features, see Technology Preview Features Support Scope.

1.2.3. Q1 2023

- **OIDC provider endpoint URL update**: Starting with ROSA CLI version 1.2.7, all new cluster OIDC provider endpoint URLs are no longer regional. AWS CloudFront is part of this implementation to improve access speed, reduce latency, and improve resiliency. This change is only available for new clusters created with ROSA CLI 1.2.7 or later. There are no supported migration paths for existing OIDC provider configurations.

1.3. KNOWN ISSUES

- The OpenShift Cluster Manager roles (ocm-role) and user roles (user-role) that are key to the ROSA provisioning wizard might get enabled accidentally in your Red Hat organization by another user. However, this behavior does not affect the usability.

- The htpasswd identity provider does not function as expected in all scenarios against the rosa create admin function.

1.4. DEPRECATED AND REMOVED FEATURES

Some features available in previous releases have been deprecated or removed. Deprecated functionality is still included in ROSA and continues to be supported; however, it will be removed in a future release of this product and is not recommended for new deployments.

- **ROSA non-STS deployment mode**: ROSA non-STS deployment mode is no longer the
preferred method for new clusters. Instead, users must deploy ROSA with the STS mode. This
deprecation is in line with our new ROSA provisioning wizard UI experience at

- **Label removal on core namespaces**: ROSA is no longer labeling OpenShift core using the
  name label. Customers should migrate to referencing the `kubernetes.io/metadata.name` label
  if needed for Network Policies or other use cases.