



Red Hat OpenStack Platform 16.1

Service Telemetry Framework Release Notes

Release details for Service Telemetry Framework 1.2

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Abstract

This document outlines the major features, enhancements, and known issues in this release of Service Telemetry Framework.

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MAKING OPEN SOURCE MORE INCLUSIVE

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](#).

CHAPTER 1. INTRODUCTION TO SERVICE TELEMETRY FRAMEWORK RELEASE

This release of Service Telemetry Framework (STF) provides new features and resolved issues specific to STF.

STF uses components from other Red Hat products. For specific information pertaining to the support of these components, see

<https://access.redhat.com/site/support/policy/updates/openstack/platform/> and <https://access.redhat.com/support/policy/updates/openshift/>.

STF 1.2 is compatible with OpenShift Container Platform (OCP) versions 4.5 and 4.6 as the deployment platform.

1.1. PRODUCT SUPPORT

The Red Hat Customer Portal offers resources to help guide you through installing and configuring Service Telemetry Framework. The following types of documentation are available through the Customer Portal:

- Product documentation
- Knowledge base articles and solutions
- Technical briefs
- Support case management

You can access the Customer Portal at <https://access.redhat.com/>.

CHAPTER 2. TOP NEW FEATURES

The following features are new to Service Telemetry Framework:

OpenShift Container Platform 4.6

You can now install Service Telemetry Framework (STF) on OpenShift Container Platform (OCP) 4.6.

Use OpenShift Container Storage as a storage backend

STF can now use OpenShift Container Storage (OCS) as a storage backend when requesting Persistent Volume Claims (PVC).

Monitor Red Hat OpenStack Platform services

When you use STF 1.2 with Red Hat OpenStack Platform (RHOSP) 16.1.3 or later, you can now monitor OpenStack services, such as Horizon, Ceph, Nova, and Ceilometer.

Change retention period for metrics storage

You can edit the retention period for metrics storage in the metrics storage backend, Prometheus.

CHAPTER 3. SERVICE TELEMETRY FRAMEWORK RELEASE INFORMATION

Notes for updates released during the supported lifecycle of this Service Telemetry Framework release appear in the advisory text associated with each update.

3.1. SERVICE TELEMETRY FRAMEWORK 1.2

These release notes highlight technology preview items, recommended practices, known issues, and deprecated functionality to be taken into consideration when you install this release of Service Telemetry Framework.

This release includes the following advisories:

[RHEA-2021:0645](#)

Release of components for the Service Telemetry Framework 1.2 - RPM

[RHEA-2021:0646](#)

Release of components for Service Telemetry Framework 1.2 - Container

[RHEA-2021:0649](#)

Release of components for Service Telemetry Framework 1.2 - Operator Container

[RHBA-2021:0801](#)

Release of components for Service Telemetry Framework 1.2 - Operators

3.1.1. Bug fixes

These bugs were fixed in this release of Service Telemetry Framework:

[BZ#1901609](#)

Previously, invalid storage templates resulted in the inability to set custom **storageClass** parameters for OpenShift Container Platform (OCP).

With this release, the ability to set custom storage parameters means that you can use Service Telemetry Framework (STF) with non-default storageClasses in OCP, such as OpenShift Container Storage (OCS).

3.1.2. Enhancements

This release of Service Telemetry Framework features the following enhancements:

[BZ#1915944](#)

Previously, a Service Telemetry Framework (STF) deployment enabled the AMQ Interconnect web interface by default, with no ability to turn it off. This increased the attack surface of an STF instance unnecessarily.

With this release, the AMQ Interconnect web interface is disabled by default. It can be enabled by an administrator by using a new configuration option.

[BZ#1763711](#)

When you use Service Telemetry Framework (STF) 1.2 with Red Hat OpenStack Platform (RHOSP) 16.1.3 or later, you can now monitor RHOSP services, such as Dashboard (horizon), Ceph Storage, Compute (nova), and ceilometer.

An example implementation of this is shown in the STF dashboards provided at <https://github.com/infrawatch/dashboards/blob/master/deploy/rhos-cloud-dashboard.yaml> in the **Service Resource Usage** panel.

BZ#1915948

Service Telemetry Framework 1.2 provides a new parameter to allow specification of the retention period for metrics storage in the metrics storage backend, Prometheus.

The default value remains at **24h**. You can edit the value in the ServiceTelemetry manifest by using the **backends.metrics.prometheus.storage.retention** parameter.

3.2. SERVICE TELEMETRY FRAMEWORK 1.2.1 MAINTENANCE RELEASE - APRIL 20, 2021

These release notes highlight technology preview items, recommended practices, known issues, and deprecated functionality to be taken into consideration when you install this release of Service Telemetry Framework.

This release includes the following advisories:

RHBA-2021:71093

Release of components for Service Telemetry Framework - Container Images

RHBA-2021:71094

Release of components for Service Telemetry Framework - Operators

3.2.1. Bug fixes

These bugs were fixed in this release of Service Telemetry Framework:

BZ#1939691

Before this update, Smart Gateway crashed if a nil or unexpected type value existed at one of the keys because of the type cast assumption that the incoming data was the correct type.

With this update, Smart Gateway processes data points if they are of type **string**, and no longer crashes if the incoming data is an invalid type.