

OpenStack Telemetry API in CEE

Cloud Execution Environment

INTERWORK DESCRIPTION

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1 Introduction

This document serves as an introduction to the use of the Application Programming Interface (API) of the OpenStack component “Telemetry” in the Cloud Execution Environment (CEE).

The aim of the document is to present the Telemetry API in CEE, it also contains information about the features of CEE Telemetry.

1.1 API Version

This CEE API is based on OpenStack Telemetry API v2.

1.2 Document References

This section lists the official OpenStack API references.

1.2.1 API Design Base Reference

For the detailed description of the API operations and extensions of Telemetry, refer to the section “Telemetry API v2” in the *OpenStack API Complete Reference*. This is a stored copy of the OpenStack API Reference document version that was the base for the development of this version of CEE.

All references to this OpenStack API made in this document are based on this specific document version. The document may include API extensions that are not supported in this version of CEE. See Section 2.2 on page 2 for details.

Note:

- The date on the front page shows the date on which the PDF document was generated.
- The date of the latest change of the actual content may be different.



2 Supported Operations

The following sections contain the API operations and API extensions that are supported in CEE.

2.1 Basic OpenStack Operations

Most of the meters supported by the OpenStack Mitaka release (with Nova using `libvirt`) are supported in CEE. These are specified in *Preconfigured Key Performance Indicators* with the indication “Telemetry API”. Other meters cannot be configured in CEE.

For the detailed description of supported Telemetry API operations, refer to the section “Telemetry API v2” in the *OpenStack API Complete Reference*.

2.1.1 Limitations

Not applicable.

2.2 OpenStack Extensions

Not applicable.



3 Ericsson Extensions

Not applicable.



4 Limitations and Recommendations

This section describes CEE specific limitations and recommendations.

4.1 Limitations

The below functionalities and extensions are not supported:

- Ceilometer alarms functionality is not supported.
- The below Ceilometer meters are not supported in this CEE release:
 - `disk.ephemeral.size`
 - `disk.root.size`
 - `memory`
 - `vcpus`
 - `network.incoming.*`
 - `network.outgoing.*`
 - `*.rate`

Note: `memory.usage` is not supported in all cases. Telemetry is not able to fetch the `memory.usage` samples without the image balloon driver.

4.2 Recommendations

Not applicable.