

OpenStack / DMTF Work Register

Version 1.0

Date Approved: 01/15/2015

The DMTF Work Register is created between the DMTF and an Alliance Partner to formally define the scope, benefits, and deliverables of the alliance partnership. The register helps both organizations coordinate efforts to achieve the stated goals and objectives.

Alliance Organizations

[OpenStack Foundation](#) and the [Distributed Management Task Force](#) (DMTF)

Background

The OpenStack Foundation is an organization which promotes the development, distribution and adoption of the open source, cloud computing infrastructure platform named OpenStack. As the independent home for OpenStack, the Foundation has already attracted more than 9,500 individual members from 100 countries and 850 different organizations. Its goal is to serve developers, users, and the entire ecosystem by providing a set of shared open source resources to grow the footprint of public and private OpenStack clouds, enable technology vendors targeting the platform and assist developers in producing the best cloud software in the industry.

A primary goal of OpenStack is to incorporate open standards, such as the Cloud Auditing Data Federation (CADF) standard, towards improving its security and operational auditability towards enterprise adoption and certification through industry, regional and international standards such as ISO.

Alliance Partner Mission

The general OpenStack Mission statement can be found at the following link:

- https://wiki.openstack.org/wiki/Main_Page

The goal of this specific coordination is to incorporate requirements and use cases for Cloud auditing and monitoring including event data models, event data format, event messaging, event signing, resource taxonomy extensions and event APIs into specifications, profiles and whitepapers developed by the DMTF. Specifically, this would be towards providing such input into relevant outputs from the DMTF Cloud Auditing Data Federation (CADF) Working Group.

Alliance Benefits

This alliance will provide the following benefits:

- Ensure activities at the DMTF CADF work group and within OpenStack projects are coordinated and aligned.

- These OpenStack projects include, but are not limited to, those already directly using CADF or are supported by CADF API auditing such as Keystone, Oslo, Nova, Cinder, Glance, Neutron, Trove, etc.
- This also includes coordination on the Python implementation of the CADF library (pyCADF), now owned by Keystone, and the CADF Audit Middleware Filter plug-in used to audit project APIs.
- Consistent interpretation of CADF specifications and profiles are reflected in OpenStack projects.
- Promote the DMTF CADF standard and OpenStack Foundation open source projects using CADF at events and to member companies

Activities

The following activities may occur during the duration of this work register.

The OpenStack Foundation may

- Review and provide feedback on the following DMTF CADF material (including whitepapers, work-in-progress, and standard documents). The feedback and comments will be provided via the portal. Including:
 - DSP0262 - Cloud Auditing Data Federation (CADF) - Data Format and Interface Definitions Specification
 - DSP2038 - CADF Profile For OpenStack

The DMTF may:

- Review OpenStack implementations within the pyCADF library as owned by OpenStack Keystone component to provide comment/review an open any issues to address “bugs” in the open source code.

Limitations

None identified.

Milestones / Dates

Milestone/Deliverables	Timeframe
Bi-annual updates to DSP2034 CADF-OpenStack Profile to match OpenStack release cycles (see https://wiki.openstack.org/wiki/Releases). Specific OpenStack releases for 2015 are identified below.	Ongoing
Including, updates to DSP2034 CADF-OpenStack Profile v1.2 updates for the 1H2015 Kilo release.	3Q 2015
Including, updates to DSP2034 CADF-OpenStack Profile v1.2 updates for the 2H2015 “L” release.	4Q 2015
Review / Comment of planned DSP0262 CADF v1.1 Specification	3Q 2015

Access

The following specifications would need to be shared with OpenStack Foundation:

- DMTF CADF DSP0262 Specification Work in Progress Drafts
- DMTF CADF DSP2034 OpenStack Profile Work in Progress Drafts

The following specifications would need to be shared with DMTF:

- OpenStack project blueprints and issues related to CADF implementation changes (e.g., pyCADF)

Work Register Review Date

The next review date is expected to be May 2015.

Resources Identified / Points of Contact:

OpenStack Foundation:

- OpenStack Foundation, Chief Operating Officer, Mark Collier (mark@openstack.org)
- OpenStack Core Developer (Keystone, pyCADF), Steve Martinelli, IBM, (stevemar@ca.ibm.com)
- OpenStack Core Developer (Nova, Ceilometer), Sandy Walsh, RackSpace, (sandy.walsh@rackspace.com)
- OpenStack, Contributor, Roland Hochmuth, HP, (roland.hochmuth@hp.com)
- OpenStack Core Developer (Swift, Ceilometer), IBM, Tong Li (litong01@us.ibm.com)
- OpenStack Core Developer (Ceilometer), Gordon Chung, Red Hat, (gord@live.ca)

DMTF:

- DMTF OpenStack Profile editor and CADF co-chair, Matt Rutkowski (mrutkows@us.ibm.com)
- DMTF CADF co-chair, David Corlette (DCorlette@netiq.com)
- DMTF VP of Alliances, John Leung (vpalliances@dmf.org)
- DMTF members interested in correspondence from alliance partner (openstack-alliance@dmf.org) – includes the above members

Corresponding OpenStack Foundation Document

There are no corresponding documents created by the OpenStack Foundation.

Approval by the DMTF Board of Directors

Board Resolution 2015-01-07, on January 15, 2015.