# Open Compute Project (OCP) / DMTF Work Register
# Version 1.0 draft 1
# Date Initiated: 04/08/2015

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

Open Compute Project (OCP) and the Distributed Management Task Force (DMTF)

## Background

The DMTF first presented to OCP in 2013 and has presented at OCP workshops several times since. OCP referenced SMASH as a candidate in their early specifications.

Recently, the OCP's Hardware Management Project has expressed interest in RESTful interfaces and DMTF has been presenting Redfish. We need to take this relationship to the next step to have active OCP input in the DTMF Redfish/SPMF and bridge the gap between the two organizations around platform management.

## Alliance Partner and its Mission

The Open Compute Project is a rapidly growing community of engineers around the world whose mission is to design and enable the delivery of the most efficient server, storage and data center hardware designs for scalable computing. http://www.opencompute.org/.

## Alliance Partnership Benefits

The Alliance Partnership will have the following benefits.

OpenCompute will benefit from:

- Leveraging established DMTF management technologies for specifying manageability of platforms.
- Access to the platform manageability expertise within the DMTF and its membership

DMTF will benefit from:

- Establishing a manageability standard in the OCP domain using Redfish

This alliance will provide the following benefits:

- Ensure the DMTF and OCP standards are coordinated and aligned

## Activities

*This section lists the activities that will (or may) occur during the alliance partnership. This includes: 1) specific documents where feedback is requested and 2) coordination of proof of concepts and 3) joint work. The use of the word 'may' gives the alliance partner leeway.*

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

*Open Source Client Tools and Libraries*

- *Python, Java/JavaScript, PowerShell libraries that meet the needs of programmatic and script driven interfaces for accessing a Redfish service.*
- *Command Line Utility suitable for script driven use as well as direct human use for using a Redfish Service.*
- *Test Suite suitable for customization by OCP members to ensure conformance.*

*Checklist*

- *Develop an OCP checklist that is a subset of Redfish capabilities (profile) that meet the OCP Specs for the different platforms being considered by OCP.*

*Events*

- *Plugfests*
- *Joint meetings/presentations*

*Sample Implementations*

- *OCP member access & input to open source sample implementation(s) of Redfish.*

*Other Activities:*
*OCP anticipates producing interface specifications via the Remote Machine Management and Multi-node Management Specifications based upon Redfish technologies.*

- *Representatives from OCP will participate in the DMTF Alliance Partner Technical Summit meetings as appropriate (Next is expected end of July, 2015 – see http://www.dmtf.org/news/events for details).*
- *Representatives from the DMTF will participate in the quarterly OCP Workshops as appropriate.*

*OCP will communicate requirements to DMTF through participation in joint Redfish meetings as appropriate.*

- *Schedule initial joint meeting with Points of Contact between OCP & DMTF with the expectation that recurring joint meetings may be necessary.*
- *Co-promotion by both organizations of Redfish as the preferred mechanism for platform management as outlined in OCP documents*
- *Provide advice and direction to DMTF on platform manageability issues on an ongoing basis.*
- *DMTF to identify Technical resource(s) to support detailed discussions around client implementation, conformance and Interoperability*

## Milestones / Dates

*This section is to list specific milestones that will be accomplished by the alliance partnership. These include joint deliverables or participation in each other's events, or contributions to each other's documents.* ***If the alliance is of an on-going nature, the specifics may not be necessary.***

| Milestone/Deliverables | Timeframe |
|---|---|
| DMTF announcement of work register | Q3 2015 |
| OCP decides on a Redfish Checklist | Q3 2015 |
| Joint open source development of client libraries & tools | Q3 2015 |
| Access to open source sample implementations | Q3 2015 |
| DMTF Alliance Partner Technical Symposium presentation (July 2015) | Q3 2015 |
| OCP Hardware Management meetings/workshops | TBD |

## Access

The DMTF will make the following specifications available to OCP. Access will be on the DMTF public website as 'Standard' or 'Work in Progress':

- Manageability Models (Redfish Models)
- Manageability Protocols (Redfish Specification)

The OCP will make the following specifications available to the DMTF:

- Redfish Checklists
- Remote Machine Management and Multi-node Management Specifications

DMTF, OCP and others will create the following projects on GitHub with open access:

- Redfish Client Libraries and Tools
- Interoperability Test Suites
- Sample Implementation(s)

## Work Register Review Date

The next review date is expected to be July 2016.

## Resources Identified / Points of Contact:

Below are the members of each organization that will act as points of contact between the two organizations.

OCP:

- Rajeev Agrawala, Rajeev.Agrawala@gs.com

- Badriddine Khessib, bkhessib@microsoft.com

DMTF:

- John Leung, VP of Alliances (vp-alliances@dmtf.org)
- Jeff Autor and Paul Vancil (spmf-chair@dmtf.org )

## Corresponding Alliance Partner Document

There are no corresponding documents created by OCP.

## Approval by the DMTF Board of Directors

Board Resolution 2015-07-15 on July 20, 2015.