

OFA/ DMTF Work Register
Version 1.0
Date Initiated: 05/11/2021

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

Alliance Organizations

The [Open Fabrics Alliance](#) and [DMTF](#).

Open Fabrics Alliance

The Open Fabrics Alliance (OFA) mission is to develop and promote software that enables maximum application efficiency by delivering wire-speed messaging, ultra-low latencies and maximum bandwidth directly to applications with minimal CPU overhead. It seeks to accelerate the development and adoption of advanced fabrics for the benefit of the advanced networks ecosystem. This is accomplished by: creating opportunities for collaboration among those who develop and deploy such fabrics, incubating and evolving vendor independent open source software for fabrics, and supporting and promoting the use of such fabrics technology software.

The Open Fabrics Management Framework Working Group (OFMFWG) is chartered to create an open-source, fabric agnostic management framework.

The Open Fabrics Interfaces Working Group (OFIWG) is committed to (1) developing, testing, and distributing an extensible, open source framework that provides access to high-performance fabric interfaces and services; and (2) extensible, open source interfaces aligned with ULP and application needs for high-performance fabric services.

The Fabric Software Development Platform Working Group (FSDPWG) supports a multi-vendor, multi-fabric cluster that is made available to OFA members for developing, testing, and validating networking software and hardware. It delivers on the OFA's mission to accelerate the development and adoption of advanced fabrics for the benefit of the advanced network ecosystems.

The Marketing Working Group (MWG) has the charter to promote the benefits of OFA and accelerate the adoption of existing and emerging advanced fabric technologies.

DMTF

The DMTF is an industry standards organization working to simplify the manageability of network accessible technologies through open and collaborative efforts by leading technology companies. DMTF creates and drives the international adoption of interoperable management standards, supporting implementations that enable the

management of diverse traditional and emerging technologies including cloud, virtualization, network, and infrastructure.

The Redfish Forum is responsible for the DMTF's Redfish®. The Redfish standard is designed to deliver simple and secure management for converged, hybrid IT and the Software Defined Data Center (SDDC). Both human readable and machine capable, Redfish leverages common Internet and web services standards to expose information directly to the modern tool chain.

The Redfish Forum has chartered a Fabrics Task Force to develop Redfish models and schema for various fabrics.

Alliance Goals

OFA is launching an effort to design and develop an open Fabric Management framework consisting of common APIs and methods to deliver security, provide route management, and maintain optimized performance. The new Fabric Management framework will utilize DMTF Redfish, and as a goal, provide orchestration.

The Redfish Forum wants to extend the fabric model and other fabrics and would value the fabric management expertise from the Open Fabrics Alliance.

The goal of the alliance is to release a Redfish model/schema update which includes model extension for managing a variety of fabrics.

Limitations

OFA will not produce delegated standards that conflict or diverge from existing or proposed DMTF standards where possible.

Milestones / Dates

This section is to list specific milestones that will be accomplished by the alliance partnership.

Milestone/Deliverables	Timeframe
DMTF and OFA approves of Work Register	May 2021
DMTF announces OFA as a new alliance partner and publish work register	May 2021
Redfish schema releases with fabric management extensions	On-going

Access

The DMTF and OFA may want to provide documentation and collateral to each other. This information can be exchanged publicly, or not.

Providing access to documents

- DMTF will provide access to information and specifications available by releasing and posting documents on the public DMTF website. The documents will be released as either “Work-in-Progress”, “Informational”, or “Standard”.
- OFA: All OFA meetings, code bases, and collateral are open source. Existing code is dual licensed GPLv2 and BSD.

Provide feedback and contributions which may involve intellectual property:

- OFA can submit feedback and contributions to DMTF specifications via the DMTF Technology Submission Portal ([dmtf.org/standards/feedback](https://www.dmtf.org/standards/feedback)), subject to the terms of the DMTF Intellectual Property Rights Agreement set forth on such portal.
- DMTF can submit feedback and contributions to OFA specifications by participating in an OFA working group.

Note - there is no cost to join a working group and membership is open to all. Membership in the OFA is only required to lead or vote in a working group. Instructions on how to join a working group is readily available on the OFA web site.

Work Register Review Date

The next review date is expected to be April 2022

The DMTF work register review processes can be found in DSP4003.

https://www.dmtf.org/sites/default/files/standards/documents/DSP4003_1.6.0.pdf

Resources Identified / Points of Contact:

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

OFA:

- OFA Chair, Doug Ledford (dledford@redhat.com)
- OFA Vice Chair, Phil Cayton (phil.cayton@intel.com)
- OFA Executive Director, Treasurer, Jim Ryan (jimdryan@gmail.com)
- OFA Marketing Working Group Chair, Divya Kolar (divya.kolar@intel.com)

DMTF:

- DMTF VP of Alliances (vp-alliances@dmtof.org)

Corresponding OFA Document

There are no corresponding documents created by OFA. This document was approved by the OFA Board on xx/xx/2021.

Approval by the DMTF Board of Directors

Board Resolution **2021-05-14**, on May 20th, 2021.