



**Redfish**

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# NVMe-oF JBOF Modeling Proposal

## Information for Work-in-Progress version:

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## Foreword

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The following files are part of the NVMe-oF JBOF Modeling Proposal development effort:

- RedfishModelForNVMe - Informative slideset showing diagrams of a JBOF topology from an NVMe perspective and the mapping to the Redfish model.
- public-nvmeof-jbof - Mockup showing a method for modeling an NVMe-oF JBOF.
  - Drive collection underneath chassis to show the physical components associated with storage.
  - Storage is available off service root to ease clients for discovering provisionable storage.
  - Storage contains volumes and controllers to represent NVMe namespaces and NVM controllers. StorageController is now a resource instead of an object within Storage.
  - Endpoints in the fabric model represent external hosts with their respective NQN, as well as the network interface the JBOF exposes to which hosts connect.
  - A new Connection resource to express access restrictions to the various volumes for each host.
- metadata - New schema and schema changes.

## Redfish Work in Progress

The following schema files are released as Work In Progress documents.

Schema File	Version	Date	Description
Chassis	1.14.0a	2020-06-01	Work in Progress release.
Connection	1.0.0a	2020-06-01	Work in Progress release.
Fabric	1.2.0a	2020-06-01	Work in Progress release.
Protocol	N/A	2020-06-01	Work in Progress release.
Resource	1.10.0a	2020-06-01	Work in Progress release.
ServiceRoot	1.9.0a	2020-06-01	Work in Progress release.
Storage	1.9.0a	2020-06-01	Work in Progress release.
StorageController	1.0.0a	2020-06-01	Work in Progress release.