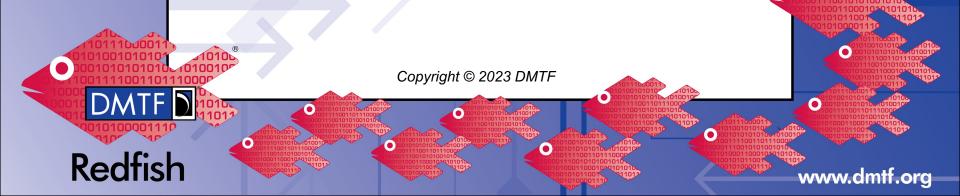


Example Fabric Implementations



Agenda

• Representing different types of fabrics

- Ethernet
- SAS
- NVMe-oF
- PCI Express

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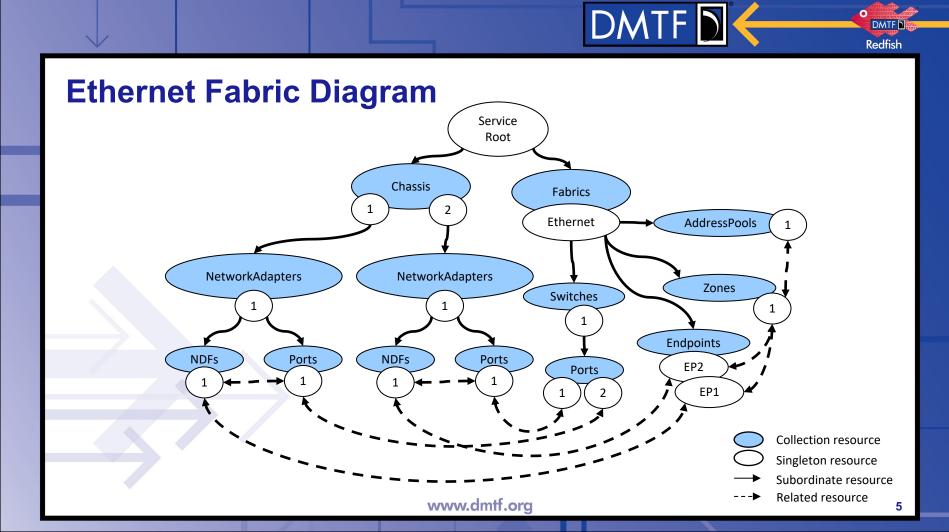


- We show examples of some different fabric models
 - Ethernet
 - SAS
 - NVMe-oF
 - PCI Express
- Showing the predominant use cases for each of these fabrics
 - Some model capabilities, like connections, can be used but may not be required



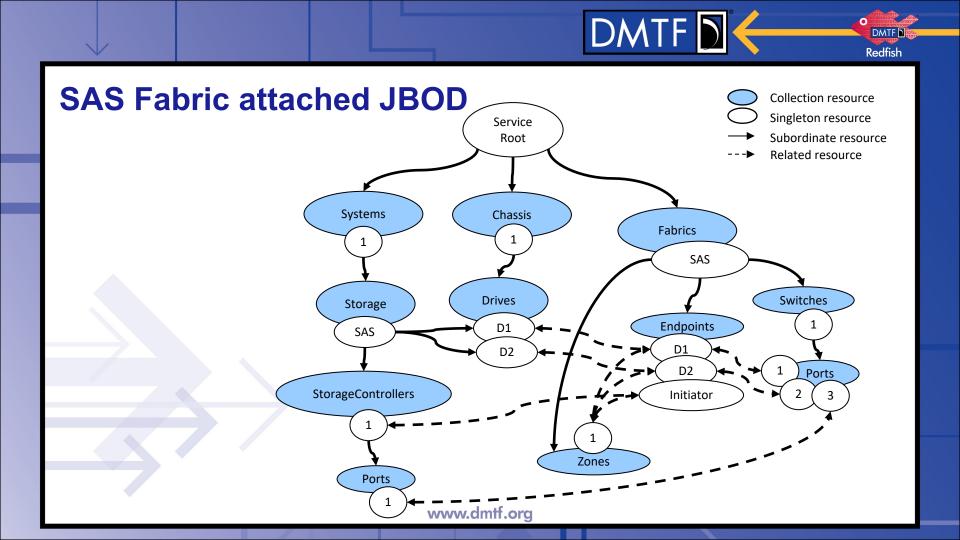
Ethernet Fabric Example

- Consists of switches, Ethernet interfaces, zones, and address pools
- Connectivity is defined with endpoints and switches
- No distinction between initiators and targets



SAS Fabric Example

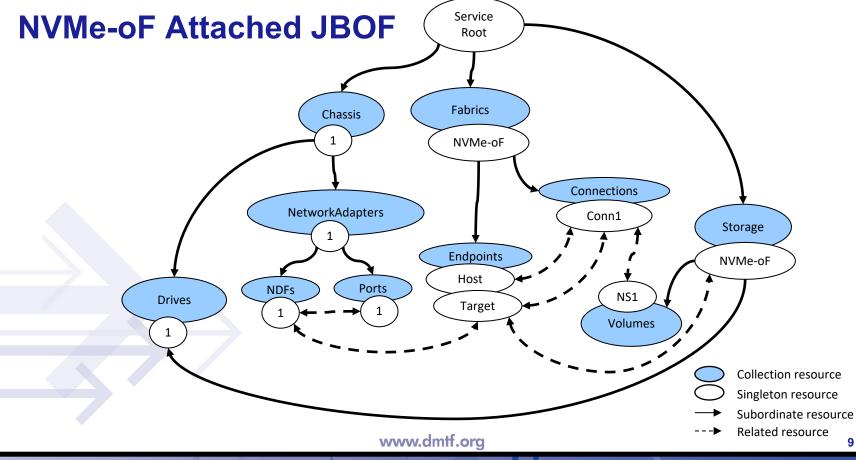
- Consists of drives, volumes, and controllers
- Connectivity defined with endpoints and switches
- Hosts are initiators and drives are target



NVMe Over Fabrics Example

- Consists of NVMe drives, volumes, and NVMe controllers
- Connectivity defined in with connections and endpoints
- Hosts connect to an interface provided by a network device function to access volumes on the NVMe subsystem
- For additional information on NVMe over Fabrics, SNIA has educational material that can be accessed here <URL>.

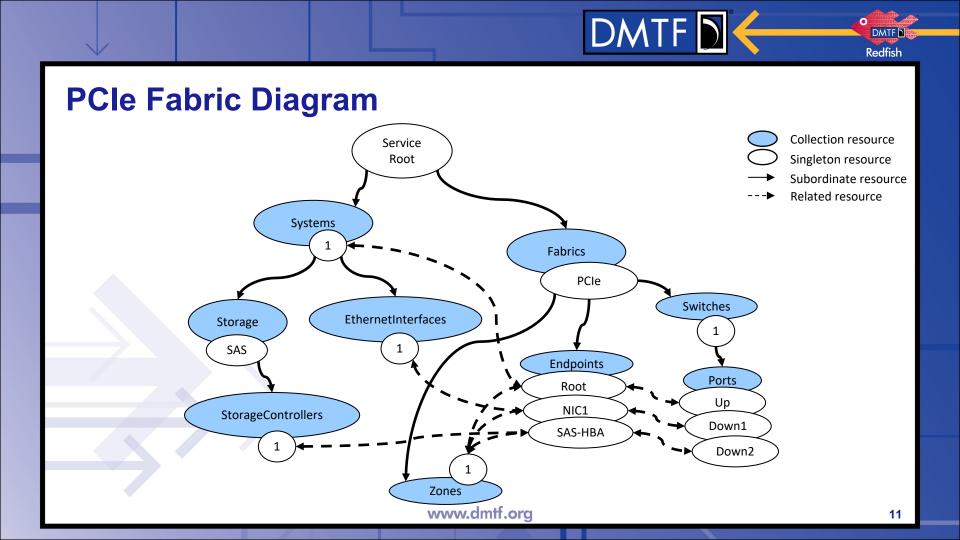






PCI Express Fabric Example

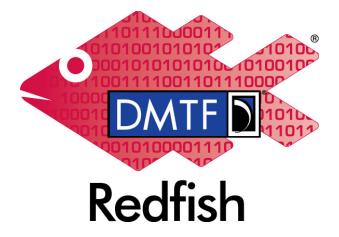
- Consists of switches, endpoints, zones, and devices
 - Some example devices: Ethernet interfaces, storage controllers, and processors
- Connectivity defined with endpoints and switches
- The host root port is represented as a computer system





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