



Workshop OFMF/Gen-Z PoC

Open Fabrics Management Framework Demonstration

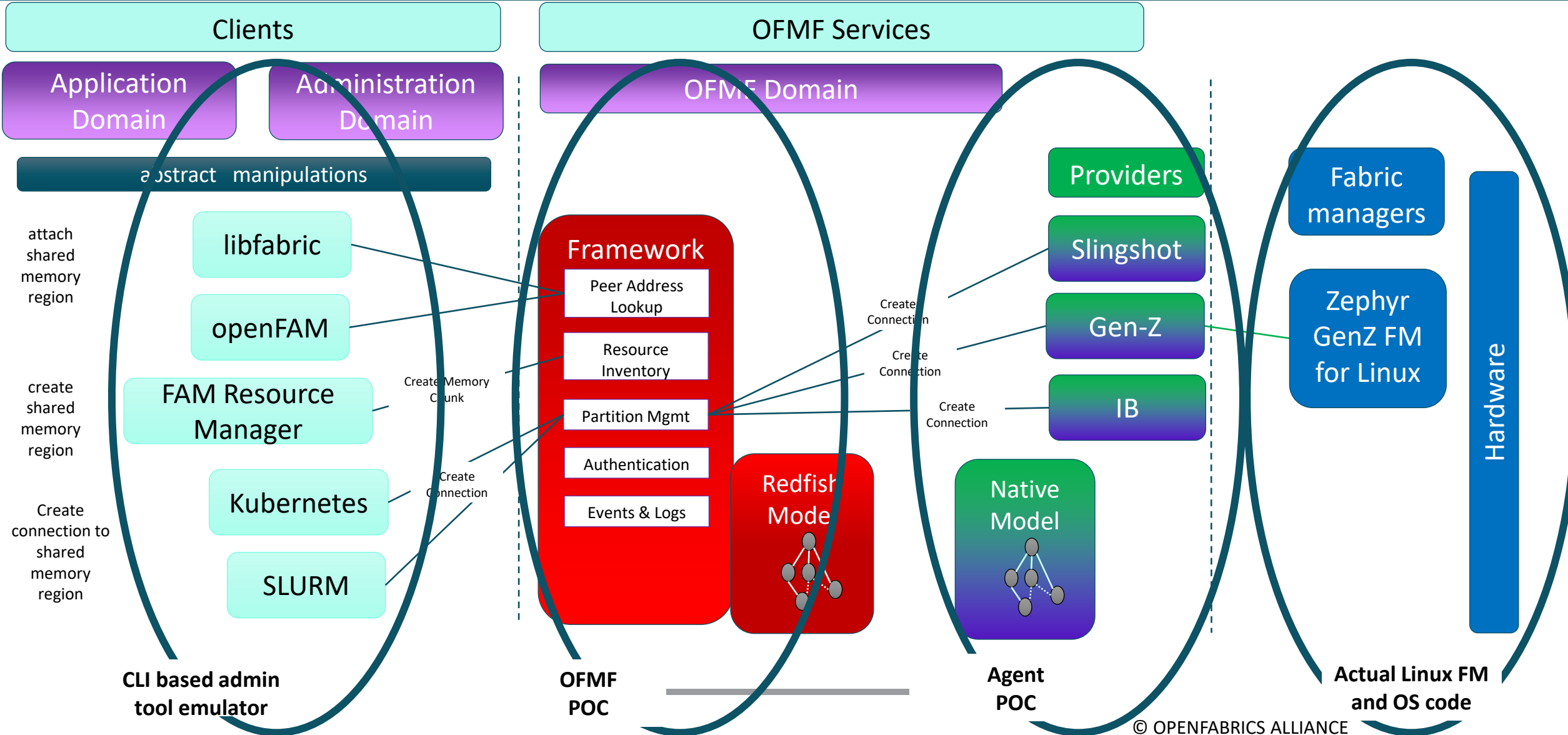
Management of Fabric Attached Memory via the OFMF

Erich Hanke Intelliprop

Russ Herrell HPE

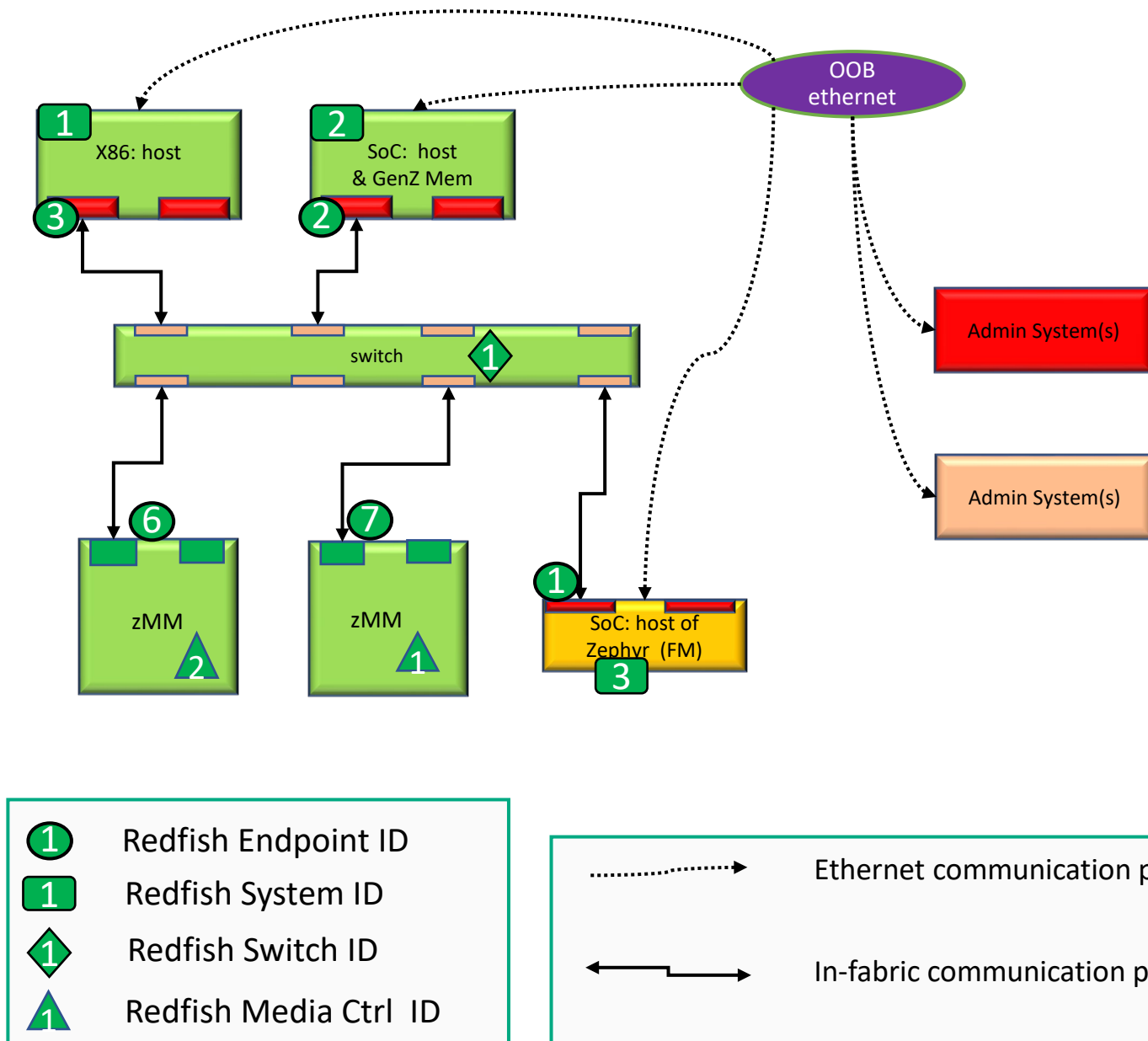
Jim Hull Intelliprop

OPEN FABRIC MANAGEMENT FRAMEWORK ARCHITECTURE

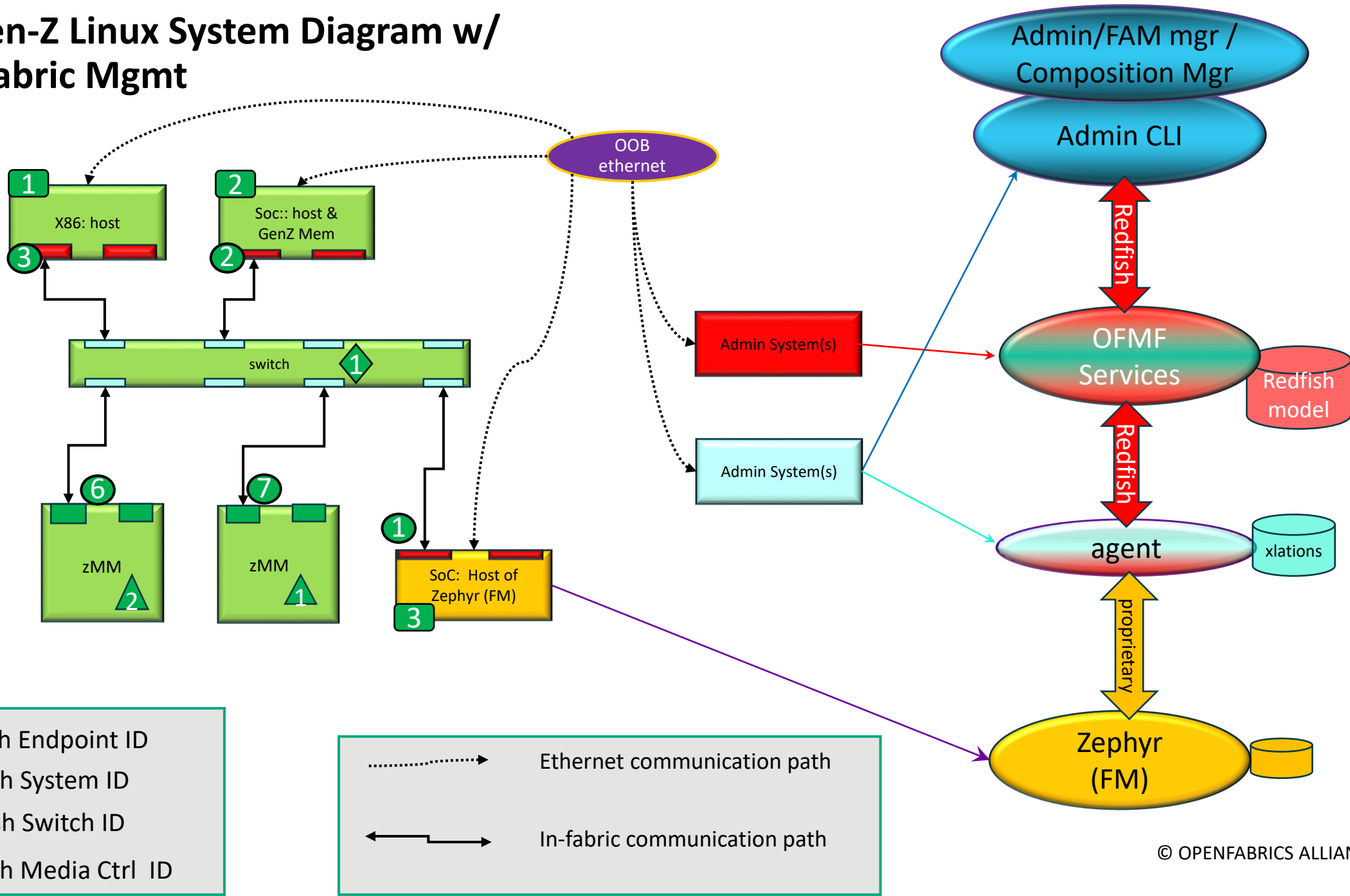


Simple Gen-Z Linux System Diagram w/ in-band Fabric Mgmt

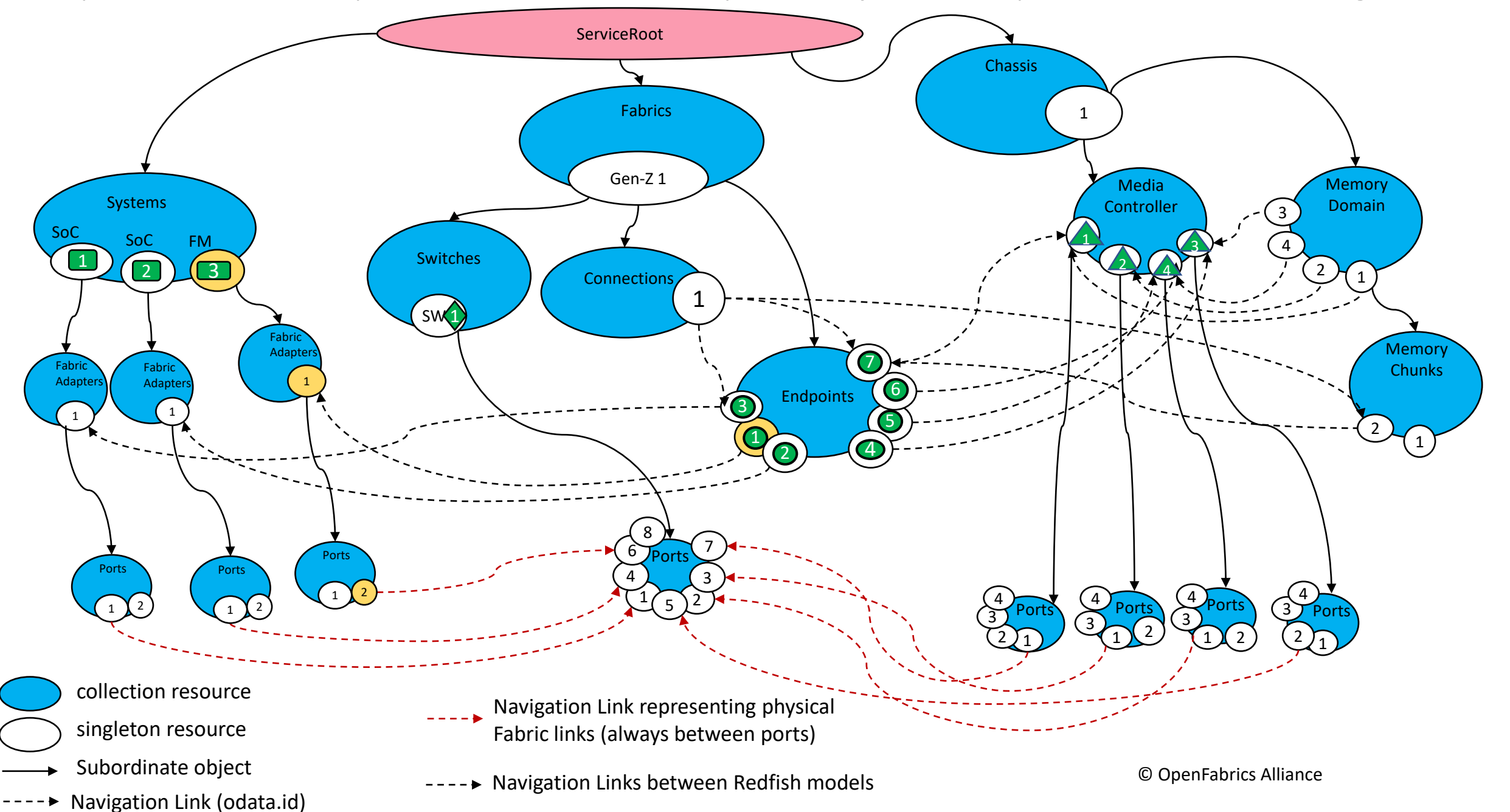
- zMM = GenZ Memory Module
- Compute Host
 - Also may export GenZ Memory
- Switch: GenZ fabric switch
 - may be made of multiple devices
- Zephyr SoC: GenZ Fabric Manager host
 - Zephyr is Linux GenZ fabric manager
- Admin Systems: Virtual Machines running our OFMF demo code and managing the Gen-Z fabric resources over Ethernet



Simple Gen-Z Linux System Diagram w/ in-band Fabric Mgmt

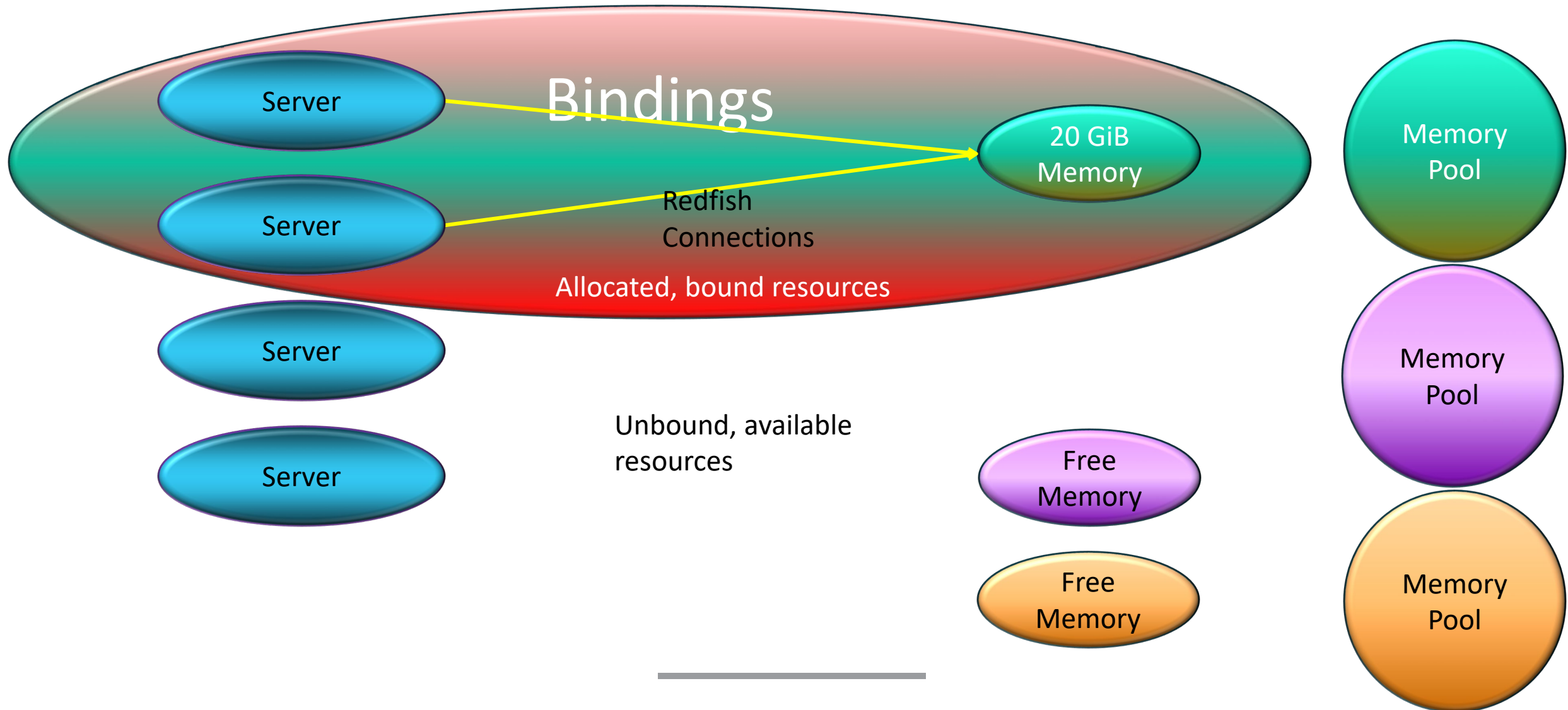


Simple Gen-Z Linux System Redfish Tree: Physical Objects, Endpoints, and Port linkages

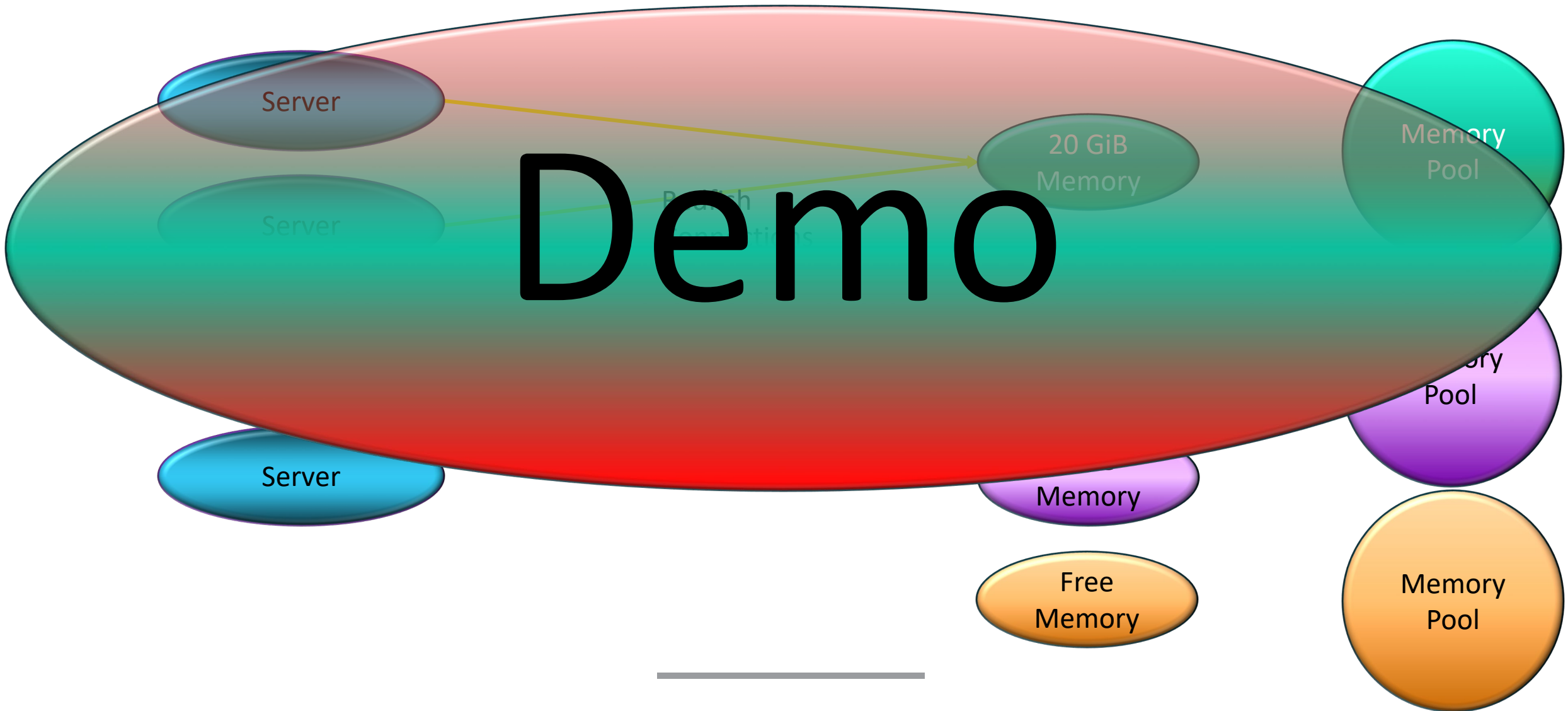


IT'S A SIMPLE REQUEST

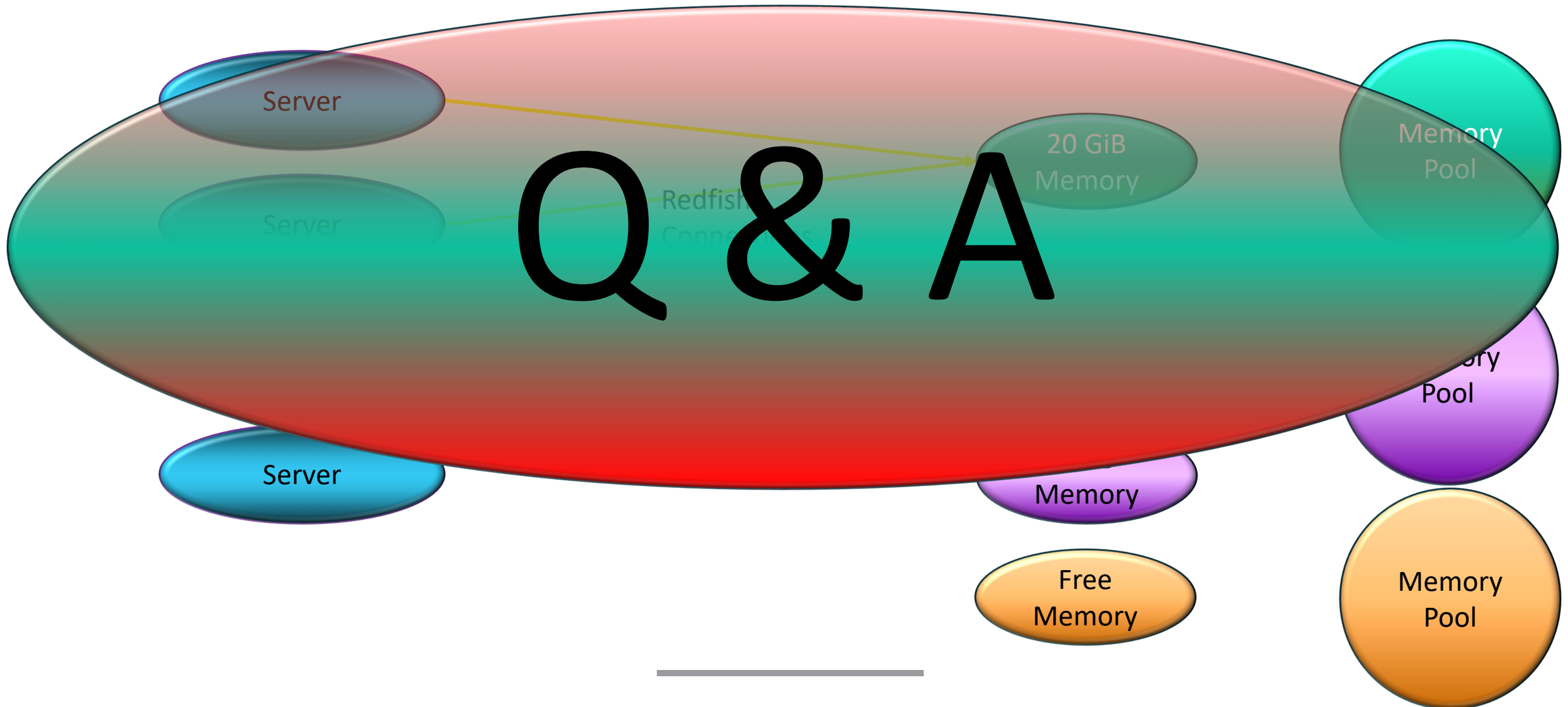
Find 20 GiB of Fabric Attached Memory for Two Servers to Share



DEMO



THANK YOU





2022 OFA Virtual Workshop

THANK YOU

OPEN FABRIC MANAGEMENT FRAMEWORK ARCHITECTURE

