STORAGE DEVELOPER CONFERENCE
SDC 22
Fremont, CA
September 12-15, 2022
BY Developers FOR Developers

A SNIA Event

Advances in Storage Fabric Management:

Manage Across Multiple Fabrics using Standards-based Interfaces

Presented by Michael Aguilar, Chair, OFA OFMF-WG

SAND2022-11939 C

Agenda

- Current Network Fabric Challenges
- OpenFabrics Management Framework Working Group
  - Objective
  - Participants
  - Current Work
- Proof-of-Concept Demonstration

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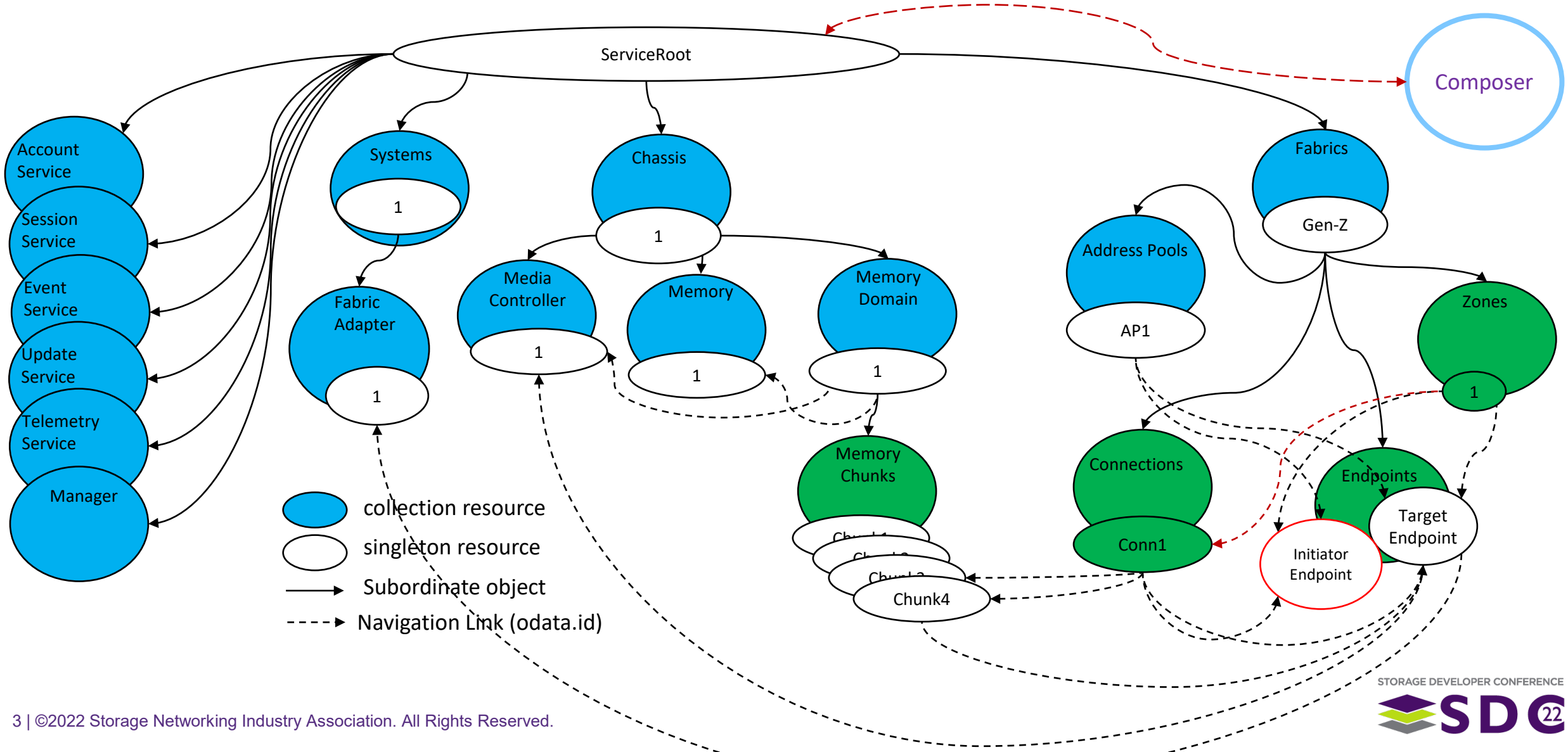
OpenFabrics Management Framework Working Group



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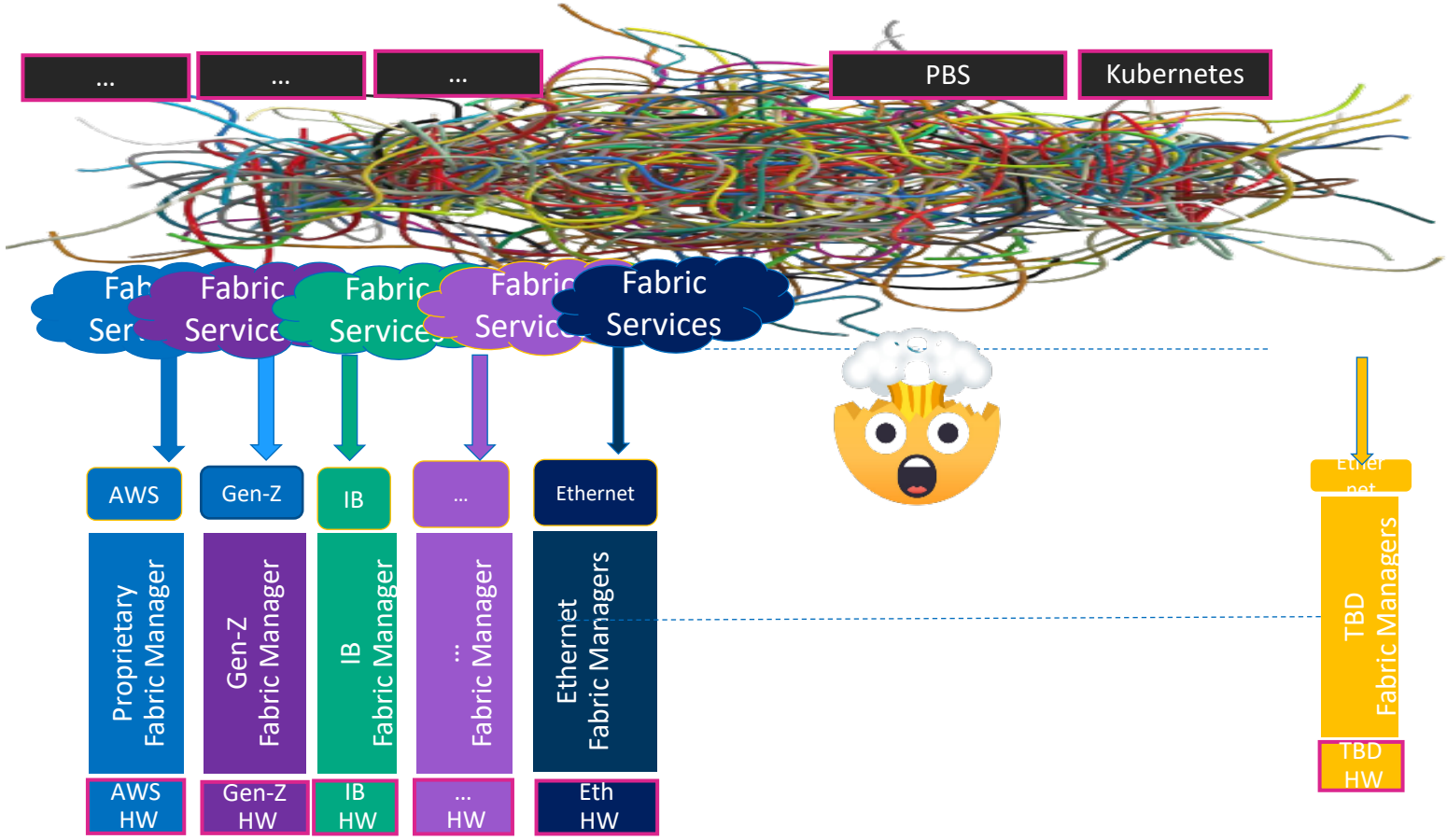
Current Network Fabric Challenges

Administrative Management Challenges

- No common fabric manager interface
  or fabric model available to link applications with remote resources
- Workload management and optimization is different for each type of fabric
- Administrators are being asked to manage an increasing heterogenous fabrics infrastructure, each with its own management standard and model



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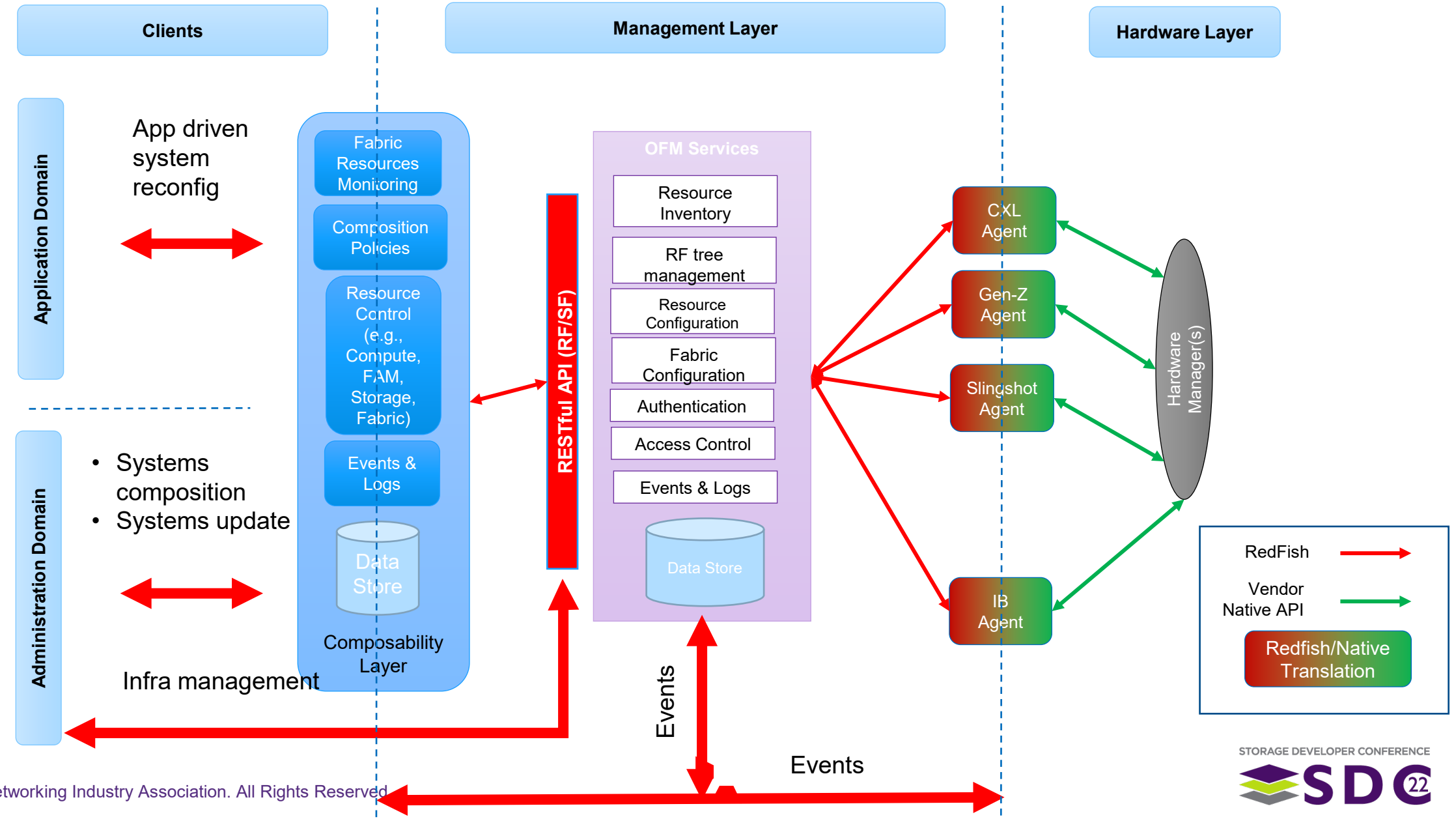
OpenFabrics Management Framework Working Group---Objective



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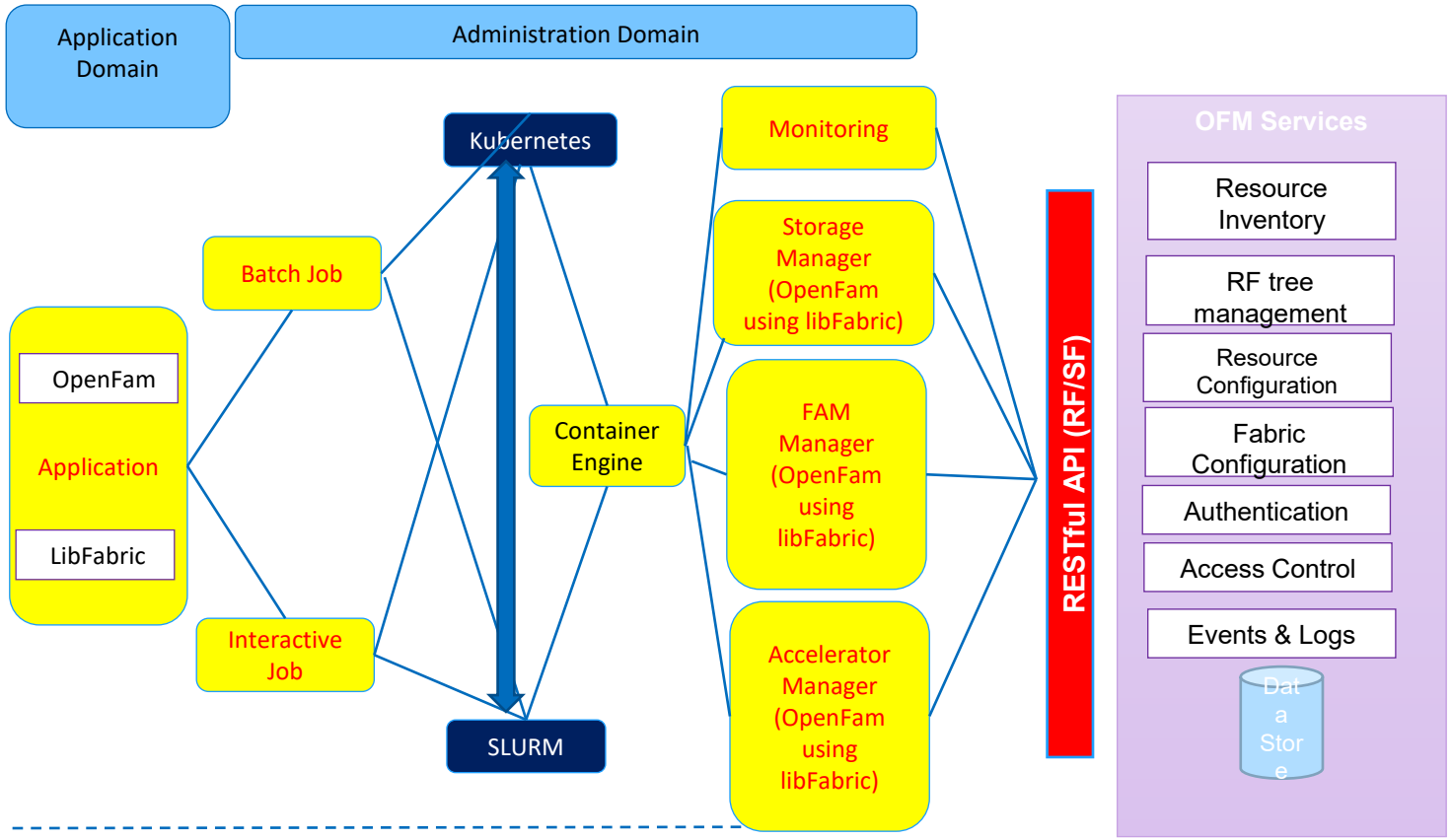
OpenFabrics Management Framework Working Group---Objective



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OpenFabrics Management Framework Working Group---Participants

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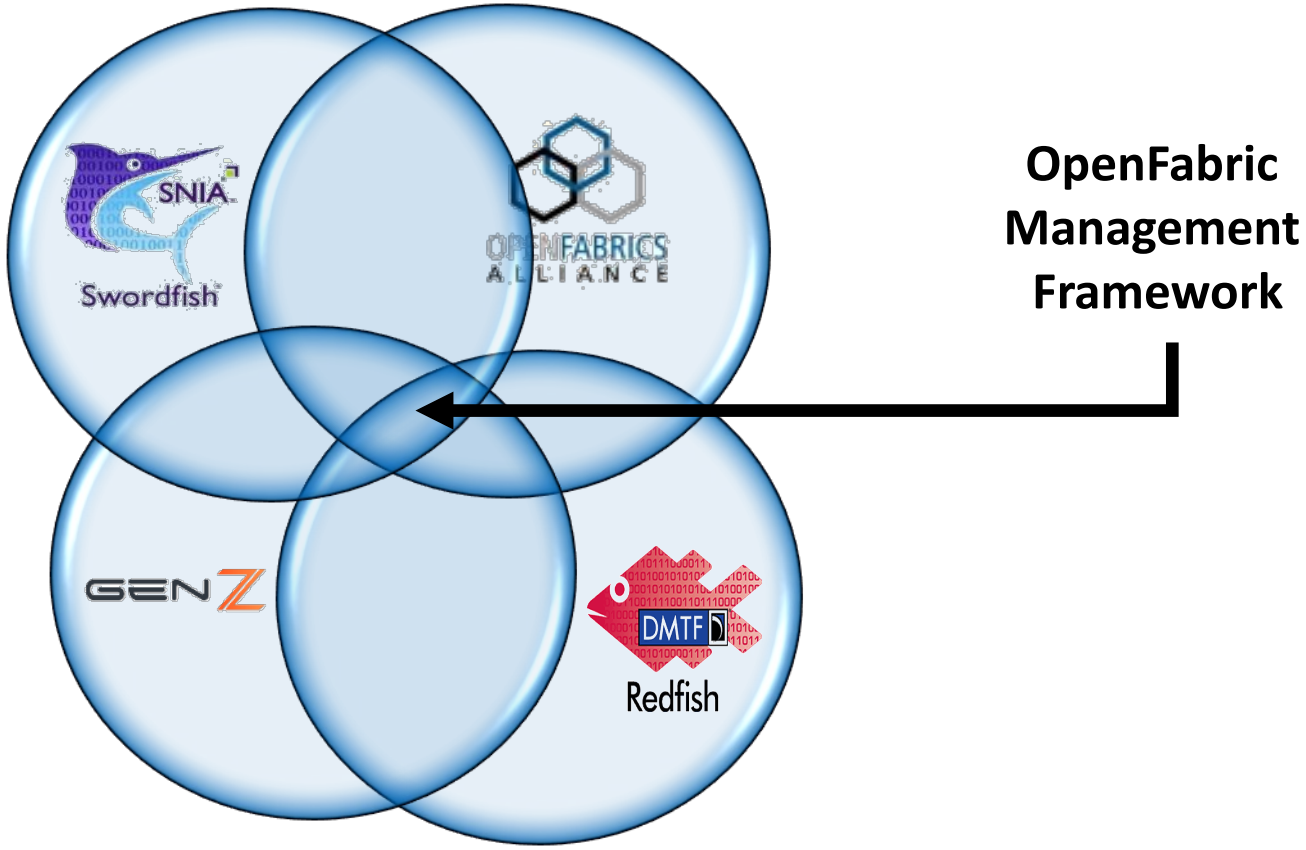

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OpenFabrics Management Framework Working Group---Current Work

- Gen-Z: SC21 and SC22 Proof-of-Concept Demonstrations
- CXL Consortium: SC22 Proof-of-Concept Demonstrations

- Code is checked into:

  Open Fabrics Alliance: Open Fabrics Management Framework · GitHub

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Proof-of-Concept Demonstration

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