Introduction



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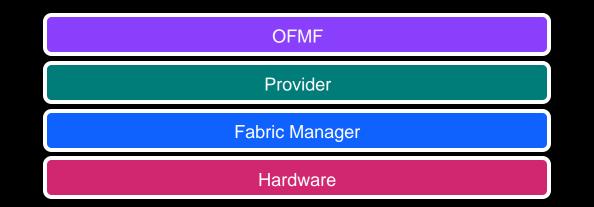
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Motivation

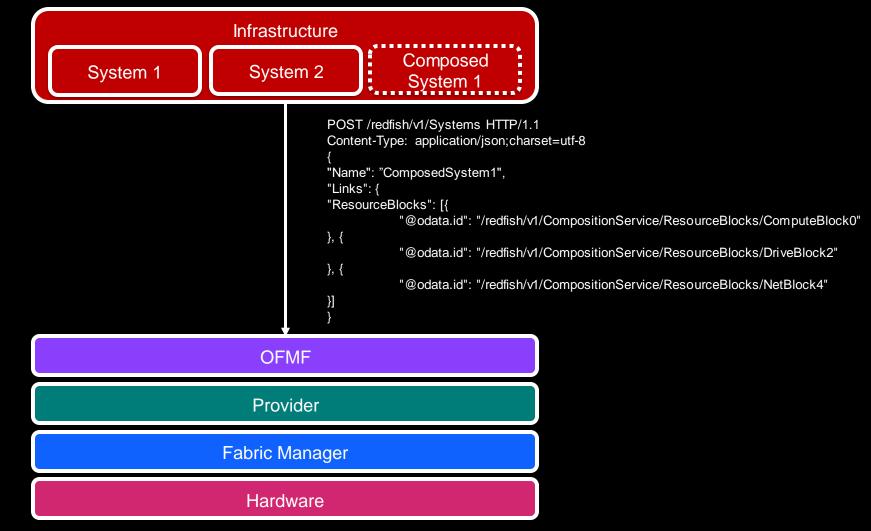
- Fabric attached devices (like GenZ or CXL) can be managed by the OFMF via the appropriate Provider/Agent.
- At the same time, such devices can be seen as composable resources.
- The Redfish specification defines already mechanisms to compose Systems via:
 - Specific Composition requests: list of ResourceBlocks.
 - Constrained Composition Requests: specify characteristics of components
- In some cases, details of the fabric could be abstracted to hide the complexity of managing underlining resources, and for security.
 - In this scenario Constrained Composition Requests allow clients (platforms/infrastructure providers) to leverage composability without knowledge of underlining fabric.

Scenario 1: Composability via Specific Composition Requests

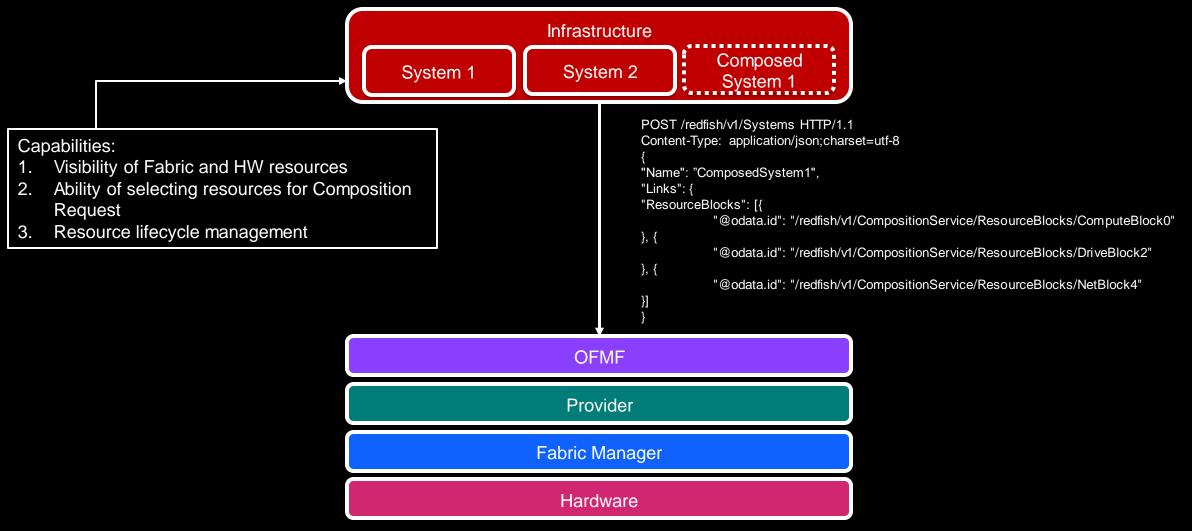




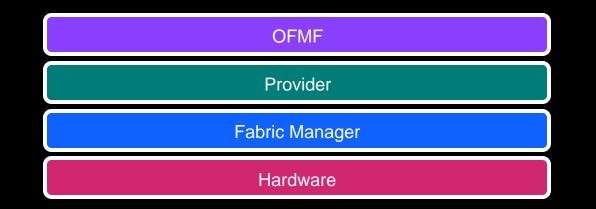
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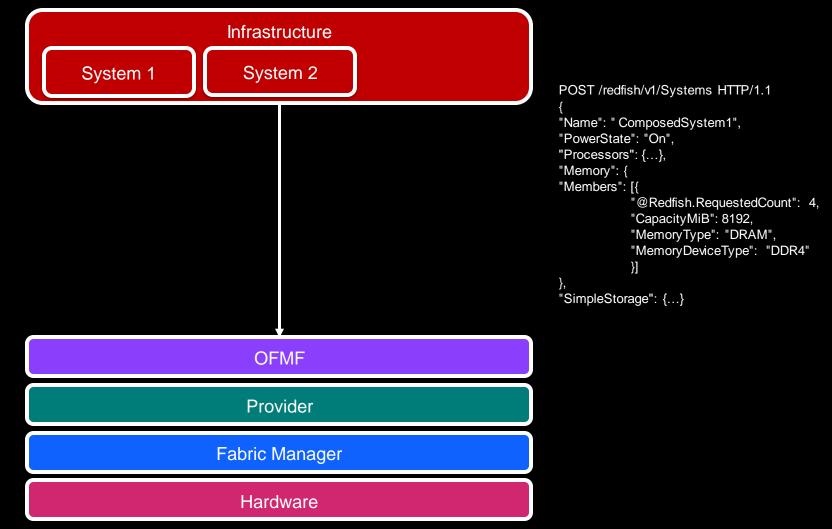


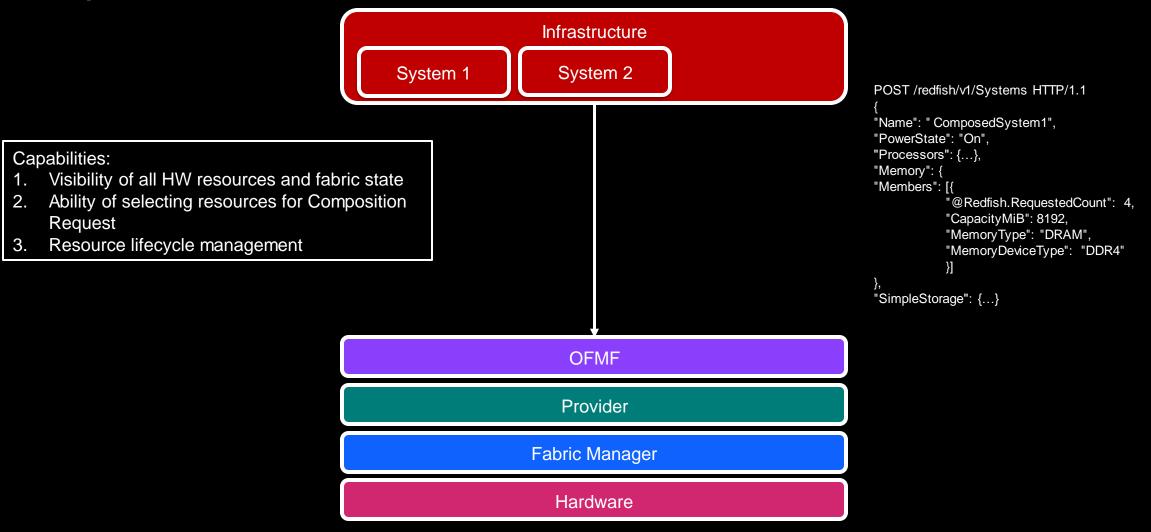
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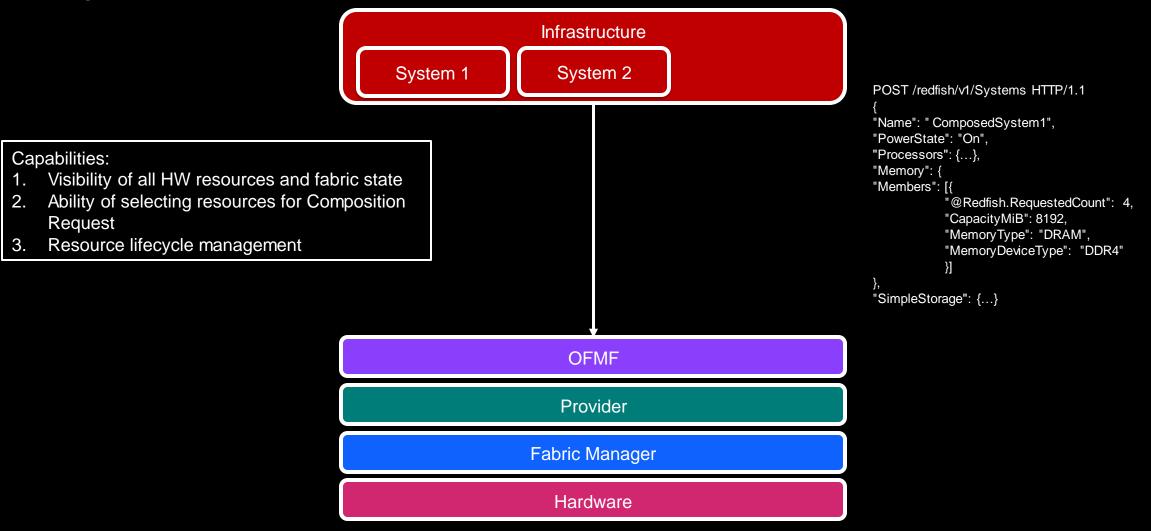


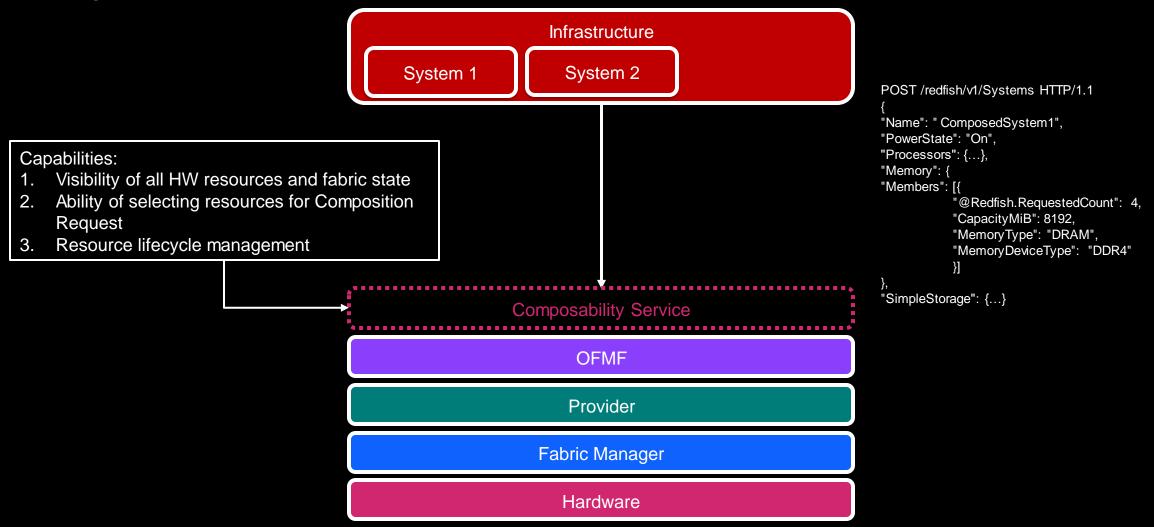


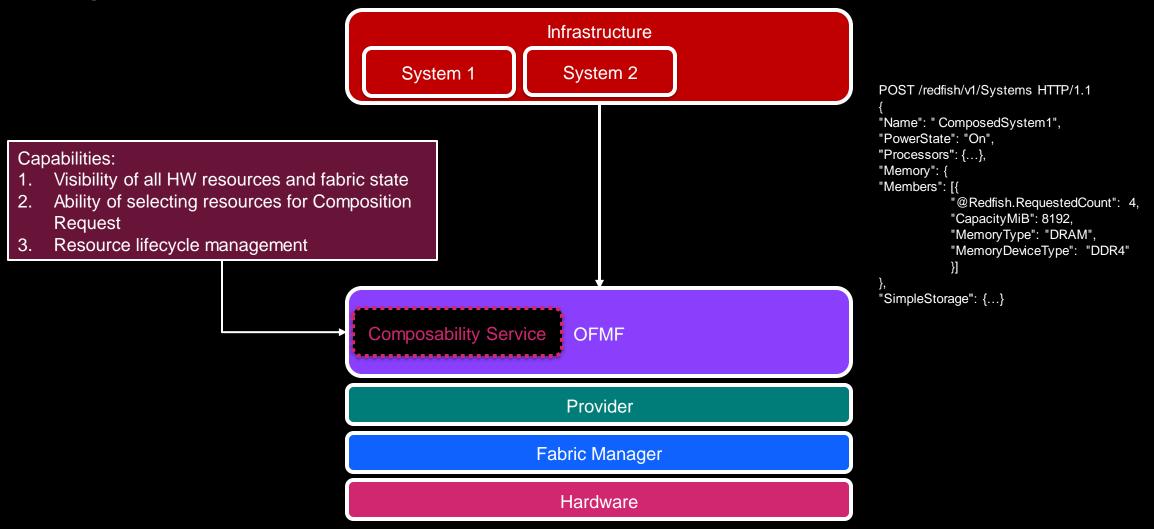












Main interests

Composability Service (Part of OFMF or client?):

- 1. Resource Blocks and Systems lifecycle management
- Integration of Composition Policies in current OFMF to support Constrained Composition Requests (NOTE: policies should be pluggable and selected by the user depending on their context)

Translating Composition Request into actions necessary to setup/tear-down a Composed System

RAS and Security

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