



2023 OFA Virtual Workshop

# **OPENFABRICS MANAGEMENT FRAMEWORK FOR COMPOSABLE DISTRIBUTED SYSTEMS**

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OpenFabrics Management Framework Working Group

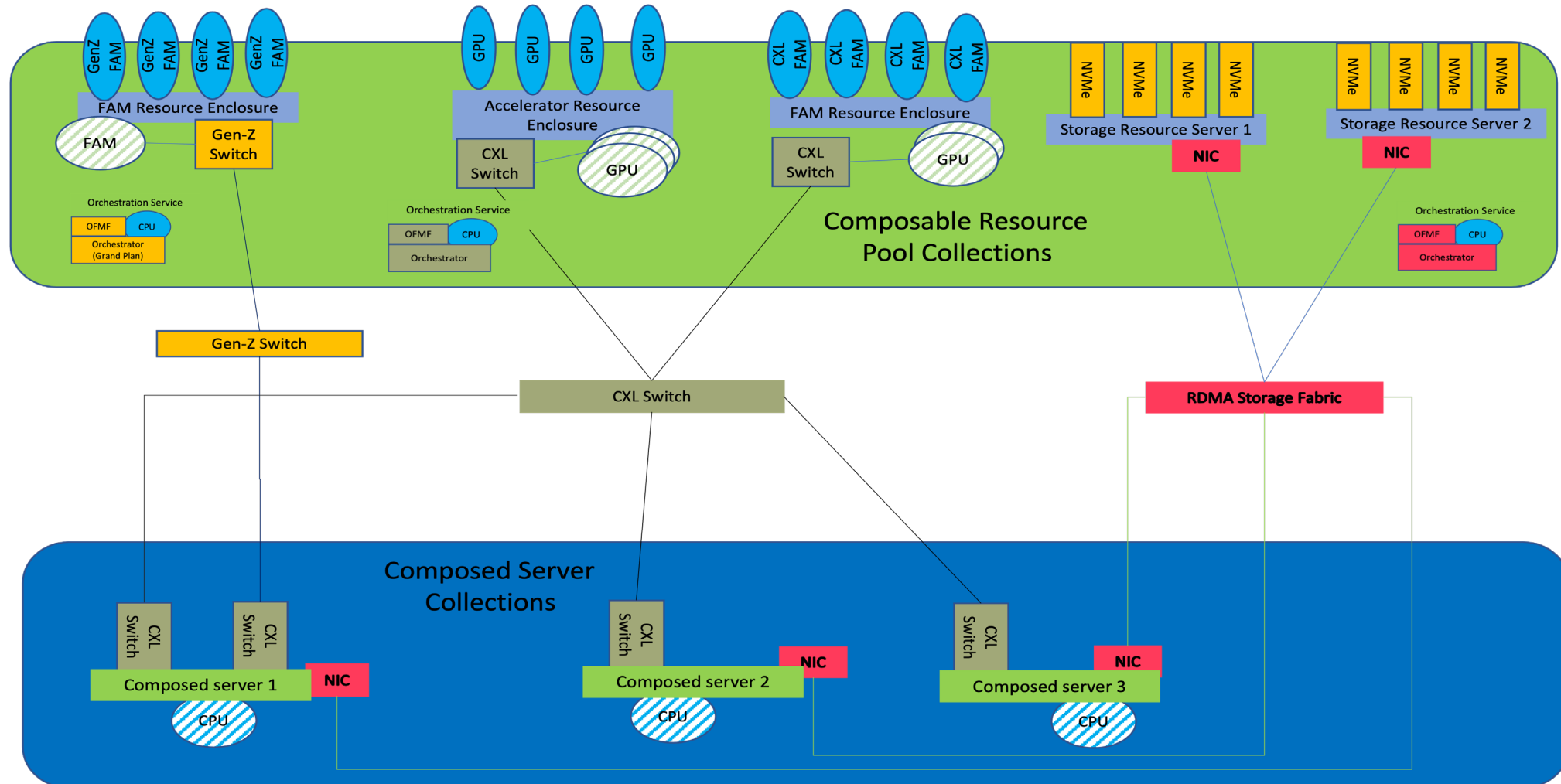
# CONTRIBUTORS TO THE OFMF



# OPENFABRICS MANAGEMENT FRAMEWORK FOR COMPOSABLE DISTRIBUTED SYSTEMS

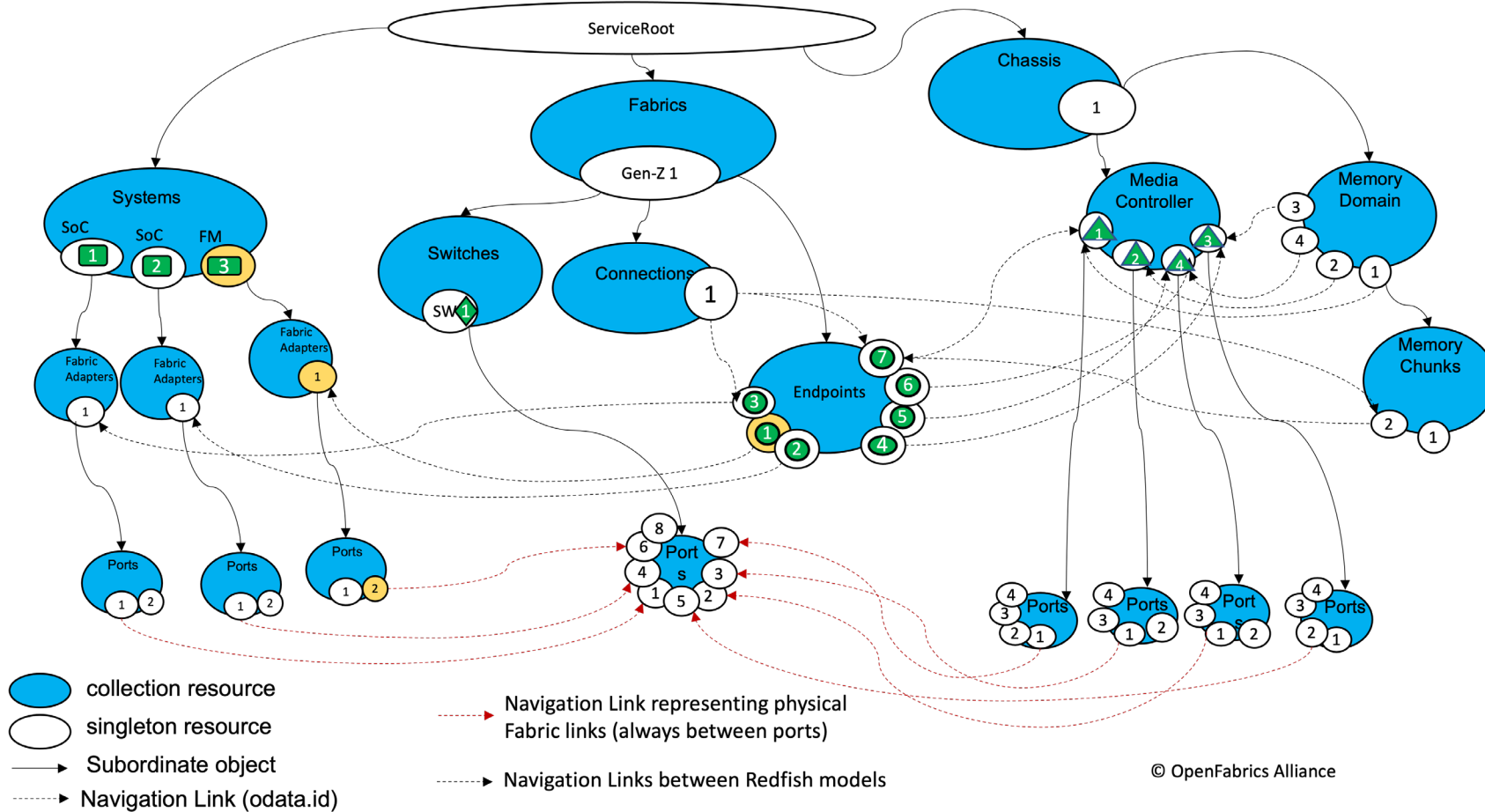
- **Composable Disaggregated Infrastructure (CDI) in an HPC Architecture**
- **Redfish Representation of a Composable Disaggregated Infrastructure**
- **OFMF Architecture**
- **Examples of CDI HPC Use-Cases**

# COMPOSABLE DISAGGREGATED HPC SYSTEM CONTROLLED BY THE OFMF

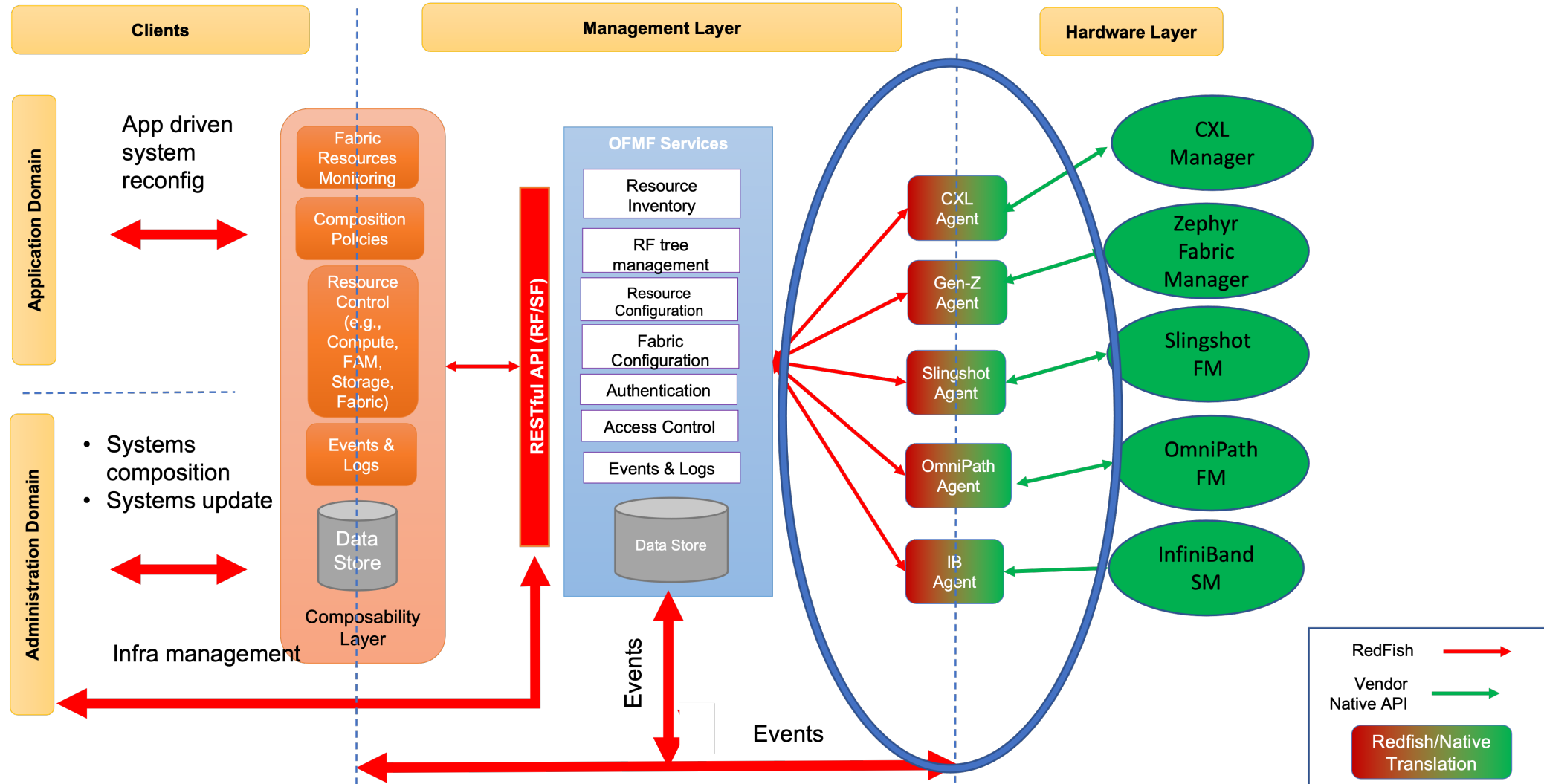


# REDFISH MAPPING OF A SIMPLE HPC SYSTEM

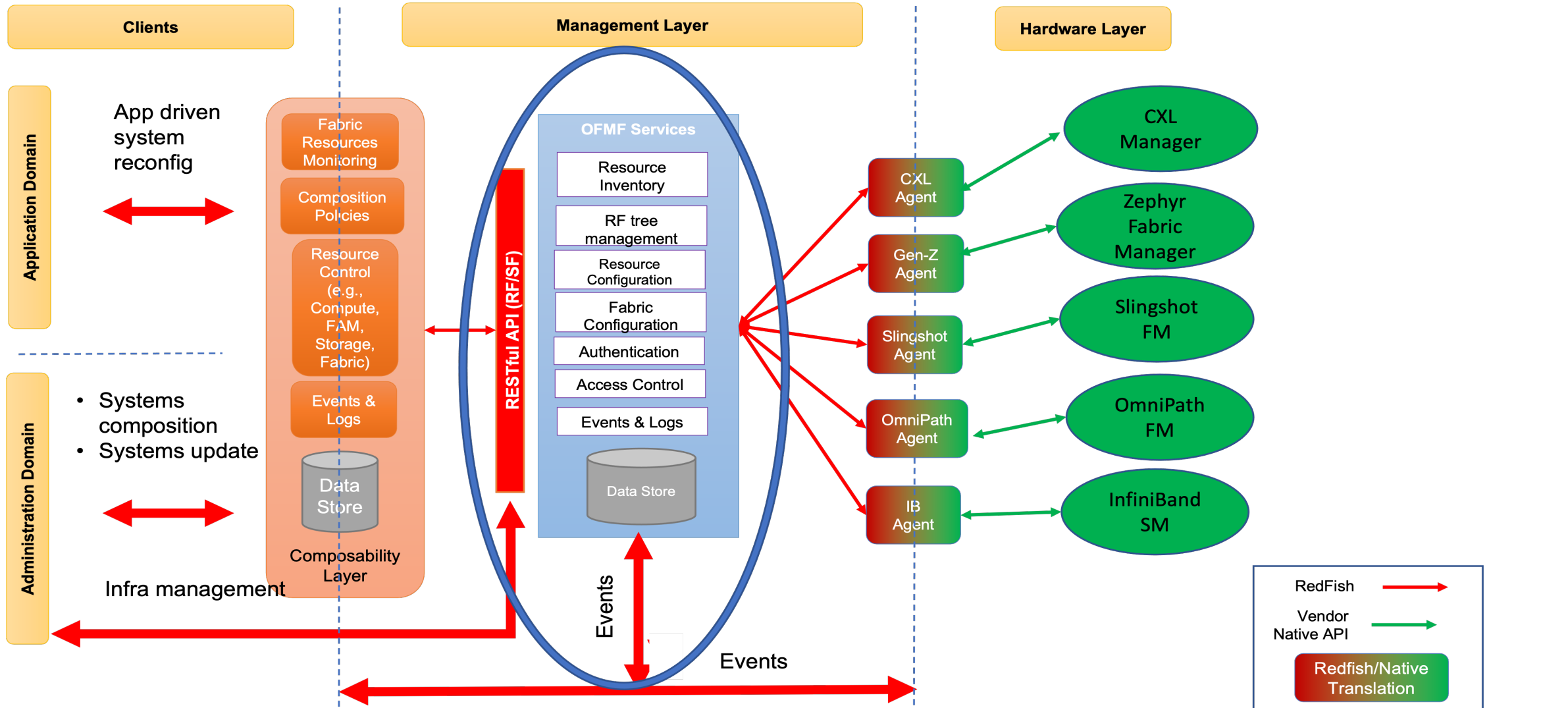
## Simple Gen-Z Linux System Redfish Tree: Physical Objects, Endpoints, and Port linkages



# HARDWARE FABRIC AGENTS INTERACTING WITH THE OFMF

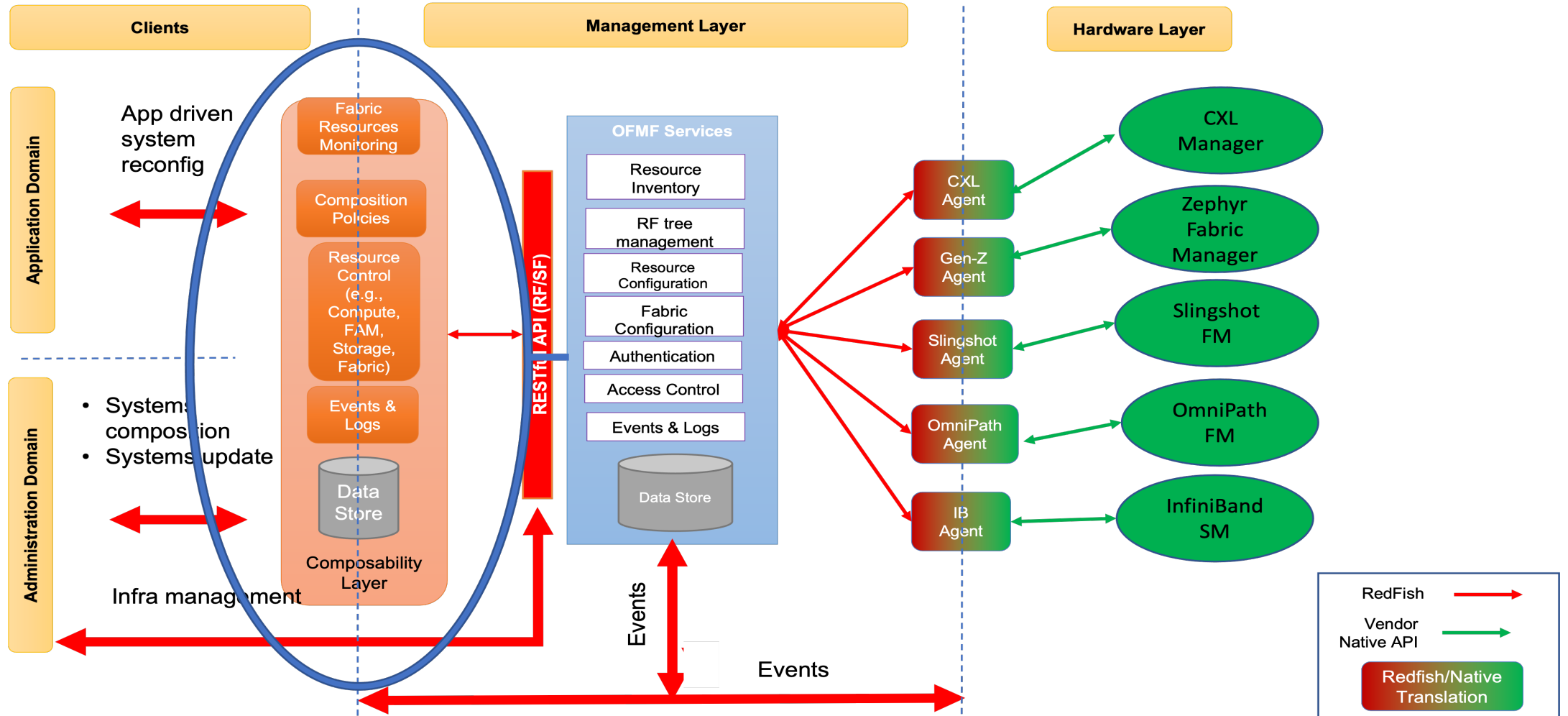


# THE OFMF COMPONENTS



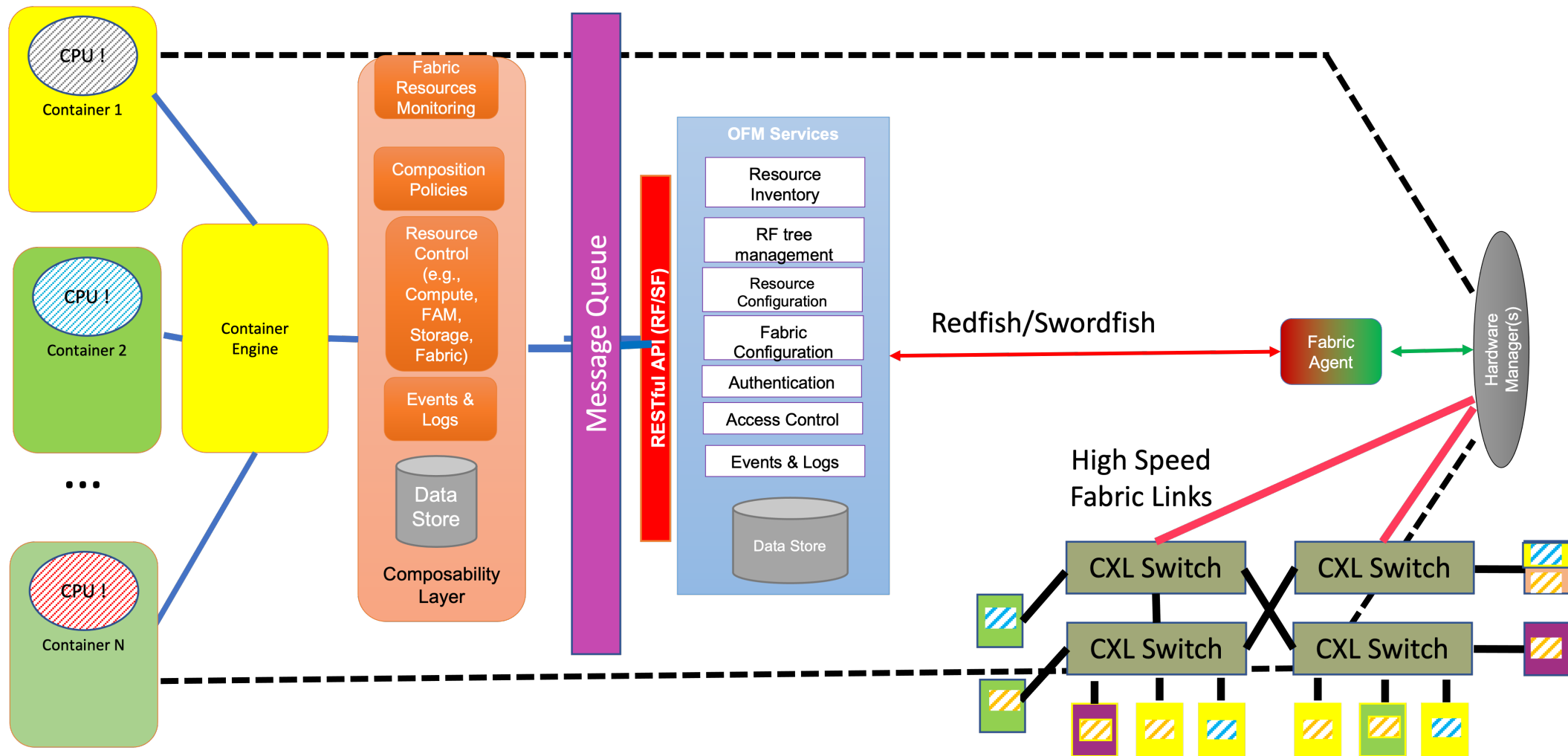


# COMPOSABLE INFRASTRUCTURE INTERACTING WITH THE OFMF

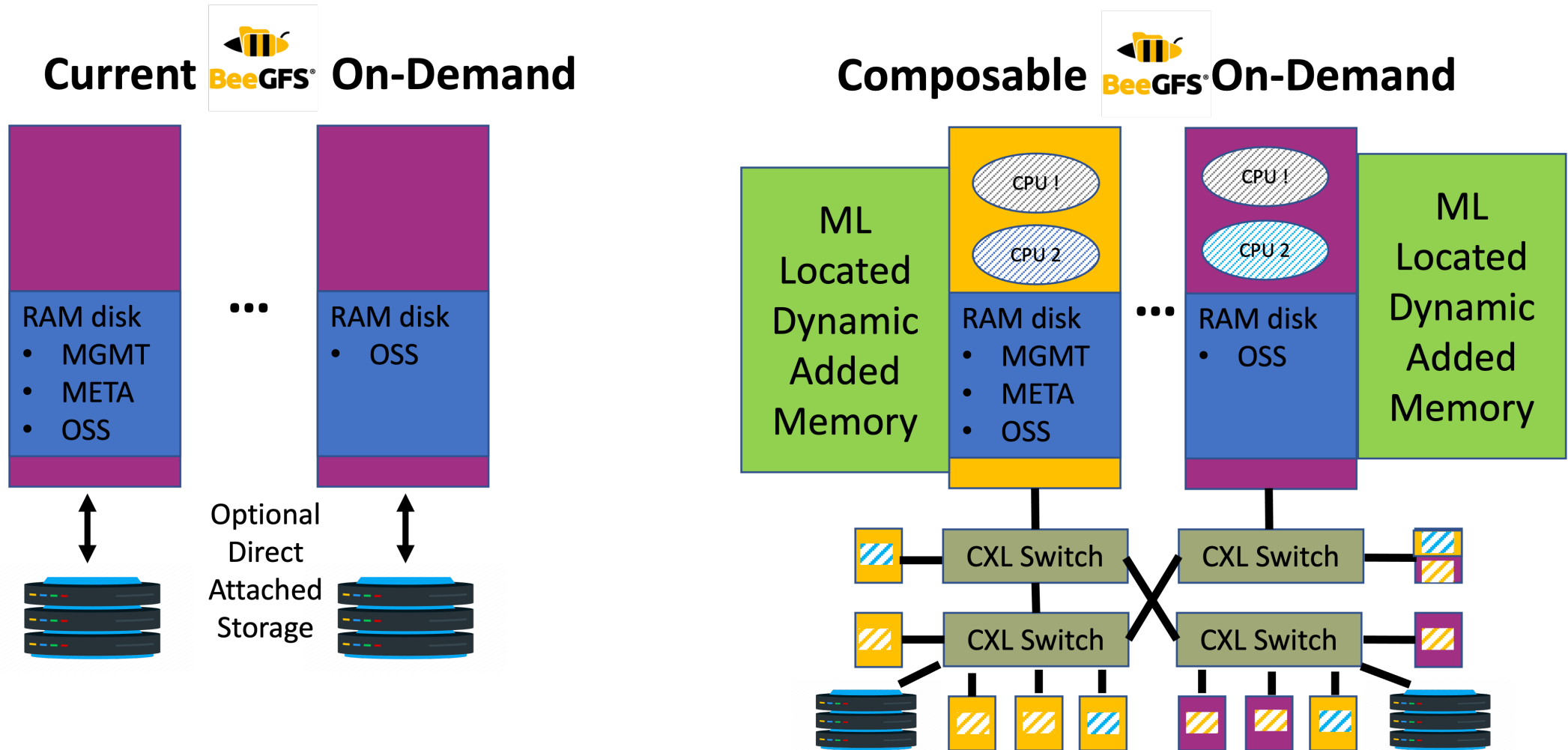




# CONTAINER ENGINE INTERACTING WITH THE OFMF



# COMPOSABLE FILESYSTEM ON A COMPOSABLE DISAGGREGATED INFRASTRUCTURE





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**THANK YOU**

John Smith, President and CEO

COMPANY XYZ

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