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| Use Case Description | * Create a Connection to FAM |
| Actors | * OFMF, Redfish, Composability Manager |
| Description | * Client requests fabric endpoint connection between server and FAM module   + R/W permissions   + No fabric encryption   + Lowest latency   + Highest BW   + At least one redundant path in active/active mode |
| Comments | * Composibility Manager is binding volatile FAM to a server, wants a link between 2 endpoints for an execution job |
| Input Data | * Endpoints or logical resource URIs,   + Server == URI of specific fabric adapter   + FAM == URI of logical memory region or memory chunk * list of attributes for the connection, security encryption value, QoS attributes (latency and bandwidth), redundancy requirements, read/write permissions   + CM aware of Redfish and possibly fabric specific arguments * OR URIs of pre-defined connection, security, and QoS policies which are to apply   + Redfish arguments   + Pre-defined OFMF arguments |
| Preconditions | * Zone is created and is ready to run, fabric is routed through the switches * Endpoints are part of the zone. * Different Connection ‘types’ (w/ different attributes, policies, QoS, etc) are already defined |
| Postconditions | * Endpoints are programmed to send packets to each other * Fabric controls are set to meet the attributes of the connection including the encryption enablements |
| Trigger | * CM Requests the OFMF create a connection |
| Normal Flow | CM POSTS a new connection to OFMF tree   * OFMF parses request * Extracts endpoints from URIs of server and FAM * Validates endpoints are part of same zone * Extracts endpoint manager info * Links to ‘connection policies’ and other pre-defined attribute descriptors * OFMF creates a connection in master Redfish tree * OFMF extra |
| Alternate Flow 1 |  |
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