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| Use Case Description | * Create a Fabric Attached Memory Block |
| Actors | * Composability Manager, Resource Manager, OFMF |
| Description | * Provide attached memory block |
| Comments | * Assume that the Resource Manager is provided with information to make a good choice * Amount of Resources are available |
| Input Data | * Requirements for memory from the template from the platform |
| Preconditions | * Redfish contains information on memory resources * Resources are available and online * Resource Manager has already queried Redfish for resources |
| Postconditions | * Resource Manager will return to the Composability Manager a Redfish object URI to a logical resource that it created in the Redfish tree that meets the Zone need. |
| Trigger | * Composability calls the Resource Manager and requests memory |
| Normal Flow | * Resource Manager parse the request * Resource Manager polls it’s inventory * If it has a matching resource, then it returns the Object URI that meets the Zone need. |
| Alternate Flow 1 | * Resource Manager parse the request * Resource Manager polls it’s inventory * It does not have a matching resource * Resource Manager (RM) queries unallocated memory * RM creates a memory chunk using the URI of the appropriate unallocated memory * A Region Object contains a chunk object * If it has a matching resource, then it returns the Object Region URI that meets the Zone need. |
| Alternate Flow 2 | * Resource Manager parse the request * Resource Manager polls it’s inventory * It does not have a matching resource * Resource Manager (RM) queries unallocated memory * RM determines a needs for a region of memory chunks * RM creates memory regions using the URIs of the appropriate chunks to provide access to unallocated memory * The RM calls the OFMF and create a region of memory chunks using the underlying devices * A Region Object contains a multiple chunk objects * If it has a matching resource, then it returns the Object Region URI that meets the Zone need. |
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