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| Use Case Description | * Create a Fabric Attached Memory Block
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| Actors | * Composability Manager, Resource Manager, OFMF
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| Description | * Provide attached memory block
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| Comments | * Assume that the Resource Manager is provided with information to make a good choice
* Amount of Resources are available
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| Input Data | * Requirements for memory from the template from the platform
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| Preconditions | * Redfish contains information on memory resources
* Resources are available and online
* Resource Manager has already queried Redfish for resources
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| 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.
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| Trigger | * Composability calls the Resource Manager and requests memory
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| 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.
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| 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.
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| 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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