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| Use-Case Description | Composability Manager---Create Resource Vertex |
| Actors | Composability Manager, Janusgraph database, Resource Control Operations, Resource Events Framework, Composition Policies, Authorization Block |
| Description | Add a resource to the graph database with Sunfish details, as a graph Vertex |
| Input Data | ResourceID, ComposerID, MessageID, resource, description, severity, proposed resolution, resource connections, path, tenancy, security value, security association |
| Pre Conditions | Composability Manager is running, Janusgraph database is running, Sunfish service is running |
| Post Conditions | A resource vertex is added to the graph database |
| Trigger | Call is made for a new graph database resource addition |
| Normal Flow | * Gather resource name and input data details   g.addV('resource').property('ResourceName',’CXL Memory 1').property('ComposerID',100).property('ResourceType','CXL Memory Module').property(‘ResourceSubType’,’’). property('ResourceActive','False').property('ResourceAllocated','False').property(‘ResourceSpecificCharacteristics’,’Capacity,Speed,Encryption,Granularity,Volatile’).property(‘Capacity’,’32GB’).property(’Speed’,’PCI5 44800’).property(’Encryption’,’True’).property(’Granularity’,’Byte’).property(‘Latency’,’10ns’).property(’Volatile’,’True’).property(‘ResourceCharacteristic7’,’’).property(‘ResourceCharacteristic8’,’’).property(‘ResourceCharacteristic9’,’’).property(‘ResourceCharacteristic10’,’’).property(‘TotalMemory’,’Memory Size’).property(‘MemoryAvailable’,’Memory Size’).property(‘Message’,’Event Message’).property('MessageID',0).property('ProposedResolution','proposed resolution').property('ResourceEndpointConnections','resource connections').property('ResourceEndpointNames','resource endpoint names').property('ResourceEndpointConnectionBandwidths','resource endpoint connection values').property('ResourcePathLocationPath','Sunfish tree path').property('AggregatedDevices','comma separated list').property('tenancy','tenancy').property('security value','security value').property('security association','security association')   * return success |
| Alternate Flow 1 |  |
| Alternate Flow 2 |  |
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