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| Use-Case Description | Composability Manager---Search Graph Vertex |
| Actors | Composability Manager, Janusgraph database, Resource Control Operations, Resource Events Framework, Composition Policies, Authorization Block |
| Description | Search for Resources using input data |
| Input Data | ResourceName,ComposerID,ResourceType,ResourceSubType,ResourceActive, ResourceCharacteristic1,ResourceCharacteristic2,ResourceCharacteristic3,ResourceCharacteristic4,ResourceCharacteristic5,ResourceCharacteristic6,ResourceCharacteristic7,ResourceCharacteristic8,ResourceCharacteristic9,ResourceCharacteristic10,ResourceEndpointConnectionBandwidth,Tenancy,SecurityValue,SecurityAssociation |
| Pre Conditions | Composability Manager is running, Janusgraph database is running |
| Post Conditions | Query results are provided to requestor |
| Trigger | Call is made for a graph database query |
| Normal Flow | * Gather query request variable, variable type, resource or connection * If query is a resource   + g.V().has(variable type,request variable).out * g.V().has('ComposerID',100).values('ResourceEndpointConnectionBandwidths') * Return success |
| Alternate Flow 1 |  |
| Alternate Flow 2 |  |
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