Jama API

Thursday, August 10, 2023

6:33 PM

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| --- | --- | --- | --- | --- | --- |
| Sr no | Topic | Details | Snap |  |  |
| 1 | Py Jama | install jama library from internet  Client id and - create API credentails in jama |  |  |  |
| 2 |  | Client id and |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  | Client ID | **kwxt2qcnup2eyky** |  |  |
| 5 |  | Client Secret | **w8knzuhhoqqmc1h1dc34gnnzn** |  |  |
| 6 |  | Relationships type | {'id': 4, 'name': 'Related to', 'isDefault': True, 'type': 'relationshiptypes'  {'id': 5, 'name': 'Dependent on', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 6, 'name': 'Derived from', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 9, 'name': 'Mitigated by', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 10, 'name': 'Caused by', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 11, 'name': 'allocated to', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 12, 'name': 'Validated By', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 13, 'name': 'verified by', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 14, 'name': 'satisfied by', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 17, 'name': 'FTA', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 21, 'name': 'Mapping', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 24, 'name': 'Embeds', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 27, 'name': 'Glue', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 30, 'name': 'Usage', 'isDefault': False, 'type': 'relationshiptypes'},  {'id': 32, 'name': 'aggregates to', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 33, 'name': 'defined by', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 34, 'name': 'refined by', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 35, 'name': 'connected to', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 36, 'name': 'uses', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 37, 'name': 'linked to', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 38, 'name': 'realized by', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 39, 'name': 'covered by', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 40, 'name': 'referenced by', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 41, 'name': 'trace to', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 42, 'name': 'owns', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 46, 'name': 'DFMEA: FUNC to FUNC', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 43, 'name': 'DFMEA: FUNC to FM', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 44, 'name': 'DFMEA: FM to FM', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 45, 'name': 'DFMEA: FM to FC', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 47, 'name': 'SRS to SRS', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 48, 'name': 'DFMEA: FC to MSR', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 49, 'name': 'SRS to VER', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 50, 'name': 'DFMEA: SRS to FM', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 51, 'name': 'VER to REP', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 52, 'name': 'DFMEA: FC to SRS', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 53, 'name': 'DFMEA: FC to VER', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 54, 'name': 'DFMEA: MSR to SRS', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 55, 'name': 'DFMEA: MSR to LLF', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 56, 'name': 'LLF to MLF', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 57, 'name': 'MLF to HLF', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 58, 'name': 'SRS to MLF', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 59, 'name': 'SRS to HLF', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 60, 'name': 'DFMEA FC to PSC', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 61, 'name': 'PSC to SRS', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 62, 'name': 'CUSR to SRS', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 63, 'name': 'MLF to DTC', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 64, 'name': 'SRS to DTC', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 65, 'name': 'FuSa to SRS', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 66, 'name': 'SRS to RISK', 'isDefault': False, 'type': 'relationshiptypes'  {'id': 67, 'name': 'DFMEA: MSR to HLF', 'isDefault': False, 'type': 'relationshiptypes'}]  PS C:\Swapnil\Tool\_To\_Install\py-jama-rest-client-master\py-jama-rest-client-master> |  |  |
| 7 |  | Relationship output | {'id': 1984494,  'documentKey': 'Sys\_In-TXT-1',  'globalId': 'GID-710914',  'itemType': 33,  'project': 406,  'createdDate': '2023-08-21T06:17:24.000+0000',  'modifiedDate': '2023-08-21T06:17:24.000+0000',  'lastActivityDate': '2023-08-21T06:17:24.000+0000',  'createdBy': 1086,  'modifiedBy': 1086,  'fields': {'documentKey': 'Sys\_In-TXT-1', 'globalId': 'GID-710914', 'name': 'Sensor System Requirements', 'description': ''},  'resources': {'self': {'allowed': ['GET', 'PUT', 'PATCH', 'DELETE']}},  'location': {'sortOrder': 0, 'globalSortOrder': 4291, 'sequence': '1.1.1', 'parent': {'item': 1984492}},  'lock': {'locked': False, 'lastLockedDate': '2023-08-22T08:47:45.000+0000'},  'type': 'items'}      {'id': 1984494,  'documentKey': 'Sys\_In-TXT-1',  'globalId': 'GID-710914',  'itemType': 33,  'project': 406,  'createdDate': '2023-08-21T06:17:24.000+0000',  'modifiedDate': '2023-08-23T09:01:33.000+0000',  'lastActivityDate': '2023-08-23T09:05:22.000+0000',  'createdBy': 1086,  'modifiedBy': 1086,  'fields': {'documentKey': 'Sys\_In-TXT-1', 'globalId': 'GID-710914', 'name': 'Sensor System Requirements', 'description': 'Sensor swapnil Requirements'},  'resources': {'self': {'allowed': ['GET', 'PUT', 'PATCH', 'DELETE']}},  'location': {'sortOrder': 0, 'globalSortOrder': 4291, 'sequence': '1.1.1', 'parent': {'item': 1984492}},  'lock': {'locked': False, 'lastLockedDate': '2023-08-23T09:01:34.000+0000'},  'type': 'items'}        'id': 1990811,  'documentKey': 'Sys\_In-SYRQ-1',  'globalId': 'GID-711431',  'itemType': 149,  'project': 406,  'createdDate': '2023-08-23T09:03:41.000+0000',  'modifiedDate': '2023-08-23T09:03:41.000+0000',  'lastActivityDate': '2023-08-23T09:04:26.000+0000',  'createdBy': 1086,  'modifiedBy': 1086,  'fields': {  'documentKey': 'Sys\_In-SYRQ-1',  'globalId': 'GID-711431',  'name': 'The communication design and all derived requirements assumes the implementation of MSS20200.',  'description': '<p>&nbsp;</p>\n\n<p>The communication design and all derived requirements assumes the implementation of MSS20200.</p>\n\n<p>&nbsp;</p>\n',  'status': 610,  'asil\_rating$149': 449,  'release\_priority$149': 990,  'special\_characteristic$149': 1491,  'primary\_source$149': 933,  'compliance\_risk$149': 1035,  'exception$149': 749,  'feature$149': [2167]},  'resources': {'self': {'allowed': ['GET', 'PUT', 'PATCH', 'DELETE']}},  'location': {'sortOrder': 0, 'globalSortOrder': 8583, 'sequence': '1.1.2.2.1', 'parent': {'item': 1990810}},  'lock': {'locked': False},  'type': 'items'} |  |  |
|  | Relationship ids | Get all relationships using GET(406) 406 -project ID  Find relationship ID of a item  Highlights id are all relationship ids  Then you can delete specific API ID match from\_item for downlink  Then delete(380980) | {  "meta": {  "status": "OK",  "timestamp": "2023-10-09T11:49:10.111+0000",  "pageInfo": {  "startIndex": 0,  "resultCount": 20,  "totalResults": 5300  }  },  "links": {  "data.fromItem": {  "type": "items",  "href": "[https://luminar.jamacloud.com/rest/v1/items/{data.fromItem}](https://luminar.jamacloud.com/rest/v1/items/%7bdata.fromItem%7d)"  },  "data.relationshipType": {  "type": "relationshiptypes",  "href": "[https://luminar.jamacloud.com/rest/v1/relationshiptypes/{data.relationshipType}](https://luminar.jamacloud.com/rest/v1/relationshiptypes/%7bdata.relationshipType%7d)"  },  "data.toItem": {  "type": "items",  "href": "[https://luminar.jamacloud.com/rest/v1/items/{data.toItem}](https://luminar.jamacloud.com/rest/v1/items/%7bdata.toItem%7d)"  }  },  "data": [  {  "id": 380980,  "fromItem": 2050134,  "toItem": 2050137,  "relationshipType": 4,  "suspect": false,  "type": "relationships"  },  {  "id": 382976,  "fromItem": 2076999,  "toItem": 2077005,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382977,  "fromItem": 2076997,  "toItem": 2077006,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382978,  "fromItem": 2076998,  "toItem": 2077006,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382979,  "fromItem": 2077006,  "toItem": 2077022,  "relationshipType": 11,  "suspect": false,  "type": "relationships"  },  {  "id": 382980,  "fromItem": 2076972,  "toItem": 2077008,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382981,  "fromItem": 2076974,  "toItem": 2077009,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382982,  "fromItem": 2076977,  "toItem": 2077009,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382983,  "fromItem": 2076978,  "toItem": 2077009,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382984,  "fromItem": 2076979,  "toItem": 2077010,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382985,  "fromItem": 2076980,  "toItem": 2077010,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382986,  "fromItem": 2076977,  "toItem": 2077012,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382987,  "fromItem": 2077012,  "toItem": 2077023,  "relationshipType": 11,  "suspect": false,  "type": "relationships"  },  {  "id": 382988,  "fromItem": 2077013,  "toItem": 2077023,  "relationshipType": 11,  "suspect": false,  "type": "relationships"  },  {  "id": 382989,  "fromItem": 2076974,  "toItem": 2077013,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382990,  "fromItem": 2076978,  "toItem": 2077013,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382991,  "fromItem": 2077014,  "toItem": 2077023,  "relationshipType": 11,  "suspect": false,  "type": "relationships"  },  {  "id": 382992,  "fromItem": 2076979,  "toItem": 2077014,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  },  {  "id": 382993,  "fromItem": 2077015,  "toItem": 2077023,  "relationshipType": 11,  "suspect": false,  "type": "relationships"  },  {  "id": 382994,  "fromItem": 2076980,  "toItem": 2077015,  "relationshipType": 21,  "suspect": false,  "type": "relationships"  }  ]  } |  |  |
|  |  | item\_id\_jama = 2255763    jama\_client.get\_item(item\_id\_jama) | 'id': 2255763,  'documentKey':  'Sys\_In-SYRQ-2487',  'globalId': 'GID-809010',  'itemType': 149,  'project': 406,  'createdDate': '2024-01-16T13:20:58.000+0000',  'modifiedDate': '2024-01-16T13:20:58.000+0000',  'lastActivityDate': '2024-04-01T05:30:39.000+0000',  'createdBy': 1086,  'modifiedBy': 1086,  'fields': {'documentKey': 'Sys\_In-SYRQ-2487', 'globalId': 'GID-809010', 'name': 'DID\_0x0161\_Ethernet Switch Counters', 'description': '<p>The Iris+ platform shall support Ethernet Switch Counters (0x', 'suggested\_verification\_methods$149': [2279], 'verification\_critera$149':  'AS per ISO 14229:2020', 'status': 728, 'asil\_rating$149': 449, 'release\_priority$149': 986, 'cal$149': 1789, 'special\_characteristic$149': 1491, 'allocation\_to\_implementation$149': [2376], 'allocation\_to\_test$149': [2385], 'subsystems\_implemented$149': [2470]}, 'resources': {'self': {'allowed': ['GET', 'PUT', 'PATCH', 'DELETE']}}, 'location': {'sortOrder': 0, 'globalSortOrder': 60623, 'sequence': '1.1.2.3.1', 'parent': {'item': 2255762}}, 'lock': {'locked': False}, 'type': 'items'}  PS |  |  |
|  |  | item\_id\_jama = 2255763  jama\_client.get\_items\_downstream\_relationships(item\_id\_jama,1) | [{'id': 436282, 'fromItem': 2255763, 'toItem': 2257283, 'relationshipType': 47, 'suspect': False, 'type': 'relationships'}] | relationshipType': 47, SRS to SRS type  436282 = 436282 relationship id |  |
|  |  | Return values | 204 = successful |  |  |
|  | item\_id\_jama = 2255763 | Delete relationships    find relationship id with following    Downrelationships = jama\_client.get\_items\_downstream\_related(item\_id\_jama,1)      Uprelationships = jama\_client.get\_items\_upstream\_relationships(item\_id\_jama,1)    Then Delete upstream or downstream relationship with following        DelRela\_items = jama\_client.delete\_relationships(Relationship id) | Uprelationships = jama\_client.get\_items\_upstream\_relationships(item\_id\_jama,1)      [{'id': 410714, 'fromItem': 2229576, 'toItem': 2255763, 'relationshipType': 4, 'suspect': False, 'type': 'relationships'}]        DelRela\_items = jama\_client.delete\_relationships(410714) | Links are already deleted , add new then try to delete  Verified only in case of 1 relationships |  |
|  |  |  |  |  |  |