Location

**Type Name:** location

Location provides capability to identify either a Geospatial or Civic location for any intelligence information being conveyed by a STIX producer that is able to determine location. Typically, Location would be created for one or more other SDO objects and linked to those objects via SRO.

5.1.1.​ Properties

|  |
| --- |
| **Common Properties** |
| **type, id, created\_by\_ref, created, modified, version, revoked, labels, external\_references, object\_marking\_refs, granular\_markings** |
| **Property Name** | **Type** | **Description** |
| **type** (required) | string | The value of this field **MUST** be location |
| **name (optional)** | String | A name associated with this location, such as an alias, short-form term used to refer to a specific location |
| **rfc7946\_content** (required) | object | The content of the location object in RFC7946 format. |

​5.1.2.​ Relationships

These are the relationships explicitly defined between the Location object and other SDOs. The first section lists the embedded relationships by property name along with their corresponding target. The rest of the table identifies the relationships that can be made from the Intel Note object by way of the Relationship object. The reverse relationships (relationships "to" the Intel Note object) are included as a convenience. For their definitions, please see the objects for which they represent a "from" relationship.

Relationships are not restricted to those listed below. Relationship objects can be created between any SDOs using the related-to relationship type or, as with open vocabularies, user-defined names.

|  |
| --- |
| **Embedded Relationships** |
| **created\_by\_ref** | identity |
| **object\_marking\_refs** | marking-definition |
| **Common Relationships** |
| duplicate-of, derived-from, related-to |
| **Source** | **Relationship Type** | **Target**  | **Description** |
| location | Located-at | identity, vulnerability,malware,tool,attack-pattern,campaign,sighting,indicator,report,course-of-action,intrusion-set,threat-actor | This Relationship describes that the Location associated with any of the other intelligence SDOs |
| **Reverse Relationships** |
| <all sdos> | Has-location | location | See forward relationship for definition. |

​5.1.3.​ Examples

A generic Intel Note defining additional context

{

 "type": "location",

 "id": "location--0c7b5b88-8ff7-4a4d-aa9d-feb398cd0061",

 "created": "2016-05-12T08:17:27.000000Z",

 "modified": "2016-05-12T08:17:27.000000Z",

 "version": 1,

 "name": "Intelligence Detection GeoPoint#1",

 "format": "rfc7946",

 "content":

   {

 "type": "Feature",

 "geometry": {

 "type": "Point",

 "coordinates": [125.6, 10.1]

 },

 "properties": {

 "name": "Dinagat Islands"

 }

},

{

 "type": "location",

 "id": "location--0c7b5b88-8ff7-4a4d-aa9d-feb398cd0071",

 "created": "2016-05-12T08:17:27.000000Z",

 "modified": "2016-05-12T08:17:27.000000Z",

 "version": 1,

 "name": "Intelligence Detection Civic #1",

 "format": "rfc7946",

 "content":

{

"type":"FeatureCollection","features":[{

"type":"Feature",

"properties":{

"objectid":69,

"pin":"0231S00600000000",

"mapblocklo":"231-S-600",

"bldg\_code":"B099",

"building\_n":"EAST HILLS POOL BUILDING",

"prime\_usag":"POOL",

"department":"SWIMMING",

"department\_name":"CITIPARKS",

"region":"EAST",

"class":"SWIMMING",

"name":"East Hills Pool Building",

"created\_user":null,

"created\_date":null,

"last\_edited\_user":"SDE",

"last\_edited\_date":"2015-08-18T14:32:50.000Z",

"buff\_dist":25,

"orig\_fid":37,

"cid":"B099"

},

"geometry":{

"type":"Polygon",

"coordinates":[[[-79.8709713756,40.4535648312],[-79.8709594298,40.4535641635],[-79.8709477814,40.4535614316],[-79.8709367843,40.4535567185],[-79.8709267727,40.4535501673],[-79.8709180508,40.4535419772],[-79.8709108836,40.453532397],[-79.8709054889,40.4535217178],[-79.8709020306,40.453510264],[-79.8709006138,40.4534983837],[-79.8709012815,40.4534864378],[-79.8709040134,40.4534747894],[-79.8709087265,40.4534637923],[-79.8709152776,40.4534537807],[-79.8709234677,40.4534450589],[-79.870933048,40.4534378917],[-79.8709437272,40.453432497],[-79.870955181,40.4534290387],[-79.8709670613,40.4534276218],[-79.8709790072,40.4534282895],[-79.8709906556,40.4534310214],[-79.8710016527,40.4534357345],[-79.8710116642,40.4534422857],[-79.8710203861,40.4534504758],[-79.8710275533,40.453460056],[-79.871032948,40.4534707352],[-79.8710364063,40.453482189],[-79.8710378232,40.4534940693],[-79.8710371555,40.4535060152],[-79.8710344236,40.4535176636],[-79.8710297105,40.4535286607],[-79.8710231593,40.4535386723],[-79.8710149692,40.4535473941],[-79.871005389,40.4535545613],[-79.8709947097,40.453559956],[-79.8709832559,40.4535634143],[-79.8709713756,40.4535648312]]]

}

}

}

},

{

 "type": "relationship",

 "id": "relationship--57b56a43-b8b0-4cba-9deb-34e3e1faed9e",

 "created": "2016-05-12T08:17:27.000000Z",

 "modified": "2016-05-12T08:17:27.000000Z",

 "version": 1,

 "relationship\_type": "located-at",

 "source\_ref": "location--0c7b5b88-8ff7-4a4d-aa9d-feb398cd0061",

 "target\_ref": "incident--7e33a43e-e34b-40ec-89da-36c9bb2cacd5"

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{

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 "id": "incident--7e33a43e-e34b-40ec-89da-36c9bb2cacd5",

 "created": "2016-05-12T08:17:27.000000Z",

 "modified": "2016-05-12T08:17:27.000000Z",

 "version": 1,

 "name": "Adversary X Incident Located by Geo"

},

{

 "type": "relationship",

 "id": "relationship--57b56a43-b8b0-4cba-9deb-34e3e1faed9e",

 "created": "2016-05-12T08:17:27.000000Z",

 "modified": "2016-05-12T08:17:27.000000Z",

 "version": 1,

 "relationship\_type": "located-at",

 "source\_ref": "location--0c7b5b88-8ff7-4a4d-aa9d-feb398cd0071",

 "target\_ref": "incident--7e33a43e-e34b-40ec-89da-36c9bb2cadd4"

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 "type": "incident",

 "id": "incident--7e33a43e-e34b-40ec-89da-36c9bb2cadd4",

 "created": "2016-05-12T08:17:27.000000Z",

 "modified": "2016-05-12T08:17:27.000000Z",

 "version": 1,

 "name": "Bad Y Incident Located by Civic"

}

]