### 3.4.1 Supported Fields for Match

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| **Match Field** | **Description** |
| id | The identifier of the object(s) that are being requested. When searching for a STIX Object, this is a STIX ID. **Examples**?match[id]=indicator--3600ad1b-fff1-4c98-bcc9-4de3bc2e2ffb?match[id]=indicator--3600ad1b-fff1-4c98-bcc9-4de3bc2e2ffb,sighting--4600ad1b-fff1-4c58-bcc9-4de3bc5e2ffd |
| spec\_version | The specification version(s) of the STIX object that are being requested. A response to a request with the spec\_version match **MUST NOT** include any specification versions that are not included in this parameter. If no spec\_version parameter is provided, the server **MUST** return only the latest specification version that it can provide for each object matching the remainder of the request. **Examples**?match[spec\_version]=2.0?match[spec\_version]=2.0,2.1 |
| type | The type of the object(s) that are being requested. Only the types listed in this parameter are permitted in the response.Requests for types defined in [[STIX™ Version 2.1](https://docs.google.com/document/d/1EsiWY7TGqt9yH6QUXv4c-opXSr3wR0TDMt8Q0yJjpoo/edit#bookmark=id.lq5lkamlx4vg)] **MUST NOT** result in an error due to an invalid type.Requests for other types not defined in [[STIX™ Version 2.1](https://docs.google.com/document/d/1EsiWY7TGqt9yH6QUXv4c-opXSr3wR0TDMt8Q0yJjpoo/edit#bookmark=id.lq5lkamlx4vg)] **MAY** be fulfilled.**Examples**?match[type]=indicator?match[type]=indicator,sighting |
| version | The version(s) of the object(s) that are being requested from either an object or manifest endpoint. If no version parameter is provided, the server **MUST** return only the latest version for each object matching the remainder of the request. If a STIX object is not versioned (and therefore does not have a **modified** timestamp) then this version parameter **MUST** use the **created** timestamp. If an object does not have a **created** or **modified** timestamp or any other version information that can be used, then the server should use a value for the version that is consistent to the server.Requests **MUST NOT** contain any duplicate version parameters, meaning, each keyword (all, first, and last) and any specific version (<value>) **MUST NOT** occur more than once in a request. However, multiple different specific versions **MAY** be specified in the same request.Valid values for the version parameter are:* last  - requests the latest version of an object. This is the default parameter value if no other version parameter is provided.
* first - requests the earliest version of an object.
* all - requests all versions of an object. The all keyword **MUST NOT** be used with any other version parameter.
* <value> - requests a specific version of an object.
	+ For STIX objects, this filter option requests objects whose modified time matches exactly the provided value and the value **MUST** follow the rules for timestamp as defined in [[STIX™ Version 2.1](https://docs.google.com/document/d/1EsiWY7TGqt9yH6QUXv4c-opXSr3wR0TDMt8Q0yJjpoo/edit#bookmark=id.lq5lkamlx4vg)].
	+ For example: "2016-01-01T01:01:01.000Z" tells the server to return the exact STIX object(s) that matched the modified time of "2016-01-01T01:01:01.000Z".
	+ For non-STIX objects this value **MAY,** be any string that represents the version of that object type. If the target format does not support object versions, this parameter **MUST** be ignored.

**Examples**?match[version]=all?match[version]=last,first?match[version]=first,2018-03-02T01:01:01.123Z,last?match[version]=2016-03-23T01:01:01.000Z,2018-03-02T01:01:01.123Z |

In addition, we propose to add:

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| **Match Field** | **Description** |
| source\_ref | The source STIX identifier of the object(s) contained in a relationship object.**Examples**?match[source\_ref]=indicator--3600ad1b-fff1-4c98-bcc9-4de3bc2e2ffb?match[source\_ref]=indicator--3600ad1b-fff1-4c98-bcc9-4de3bc2e2ffb,indicator--4600ad1b-fff1-4c58-bcc9-4de3bc5e2ffd |
| target\_ref | The target STIX identifier of the object(s) contained in a relationship object.**Examples**?match[target\_ref]=indicator--3600ad1b-fff1-4c98-bcc9-4de3bc2e2ffb?match[target\_ref]=indicator--3600ad1b-fff1-4c98-bcc9-4de3bc2e2ffb,indicator--4600ad1b-fff1-4c58-bcc9-4de3bc5e2ffd |
| relationship\_type | The relationship type of the object(s) contained in a relationship object.**Examples**?match[relationship\_type]=indicates?match[relationship\_type]=indicates,uses |
| sighting\_of\_ref | The STIX identifier of the object(s) reference from a sighting object.**Examples**?match[sighting\_of\_ref]=indicator--3600ad1b-fff1-4c98-bcc9-4de3bc2e2ffb?match[sighting\_of\_ref]=indicator--3600ad1b-fff1-4c98-bcc9-4de3bc2e2ffb,sigthing--4600ad1b-fff1-4c58-bcc9-4de3bc5e2ffd |
| object\_marking\_refs | The marking-definition identifier applied to any STIX object(s).**Examples**?match[object\_marking\_refs]=marking-definition--613f2e26-407d-48c7-9eca-b8e91df99dc9?match[object\_marking\_refs]=marking-definition--613f2e26-407d-48c7-9eca-b8e91df99dc9,marking-definition--34098fce-860f-48ae-8e50-ebd3cc5e41da |
| tlp | The marking-definition identifier applied to object(s). This is a shorthand to objects specifically marked with a TLP marking. The only allowed values **MUST** are white, green, amber, and red. Specific IDs for each TLP color **MUST** be mapped as defined on the TLP Marking Object Type section in [[STIX™ Version 2.1](https://docs.google.com/document/d/1EsiWY7TGqt9yH6QUXv4c-opXSr3wR0TDMt8Q0yJjpoo/edit#bookmark=id.lq5lkamlx4vg)].**Examples**?match[tlp]=white ?match[tlp]=white,green |
| external\_id | An identifier present in any STIX object(s) external\_references property.**Examples**?match[external\_id]=CVE-2016-1234?match[external\_id]=CWE-20,T1245 |
| source\_name | A source name present in any STIX object(s) external\_references property.**Examples**?match[source\_name]=cve?match[source\_name]=capec,veris |
| created\_by\_ref | The identity creator identifier applied to any STIX object(s).**Examples**?match[created\_by\_ref]=identity--caa40b90-15b0-4833-8475-712dfec0ff5e?match[created\_by\_ref]=identity--caa40b90-15b0-4833-8475-712dfec0ff5e,identity--07ab6eac-cb81-4ae3-8e09-ab1e185fc31f |
| confidence | The confidence value applied to any STIX object(s).**Examples**?match[confidence]=90?match[confidence]=90,91,92,93,94,95,96,97,98,99,100 |
| sectors | The sectors property present in identity object(s).**Examples**?match[sectors]=energy?match[sectors]=financial-services,manufacturing |
| labels | The label value(s) applied to any STIX object(s).**Examples**?match[labels]=trickbot ?match[labels]=totbrick,tspy\_trickload |
| object\_refs | The identifier present in STIX grouping, observed-data or report object(s) object\_refs property.**Examples**?match[object\_refs]=indicator--3600ad1b-fff1-4c98-bcc9-4de3bc2e2ffb?match[object\_refs]=indicator--3600ad1b-fff1-4c98-bcc9-4de3bc2e2ffb,sigthing--4600ad1b-fff1-4c58-bcc9-4de3bc5e2ffd |
| value | The value present in STIX SCOs ipv4-addr, ipv6-addr, domain-name, email-addr, mac-addr, and url object(s) value property.**Examples**?match[value]=198.51.100.3?match[value]=john@example.com,doe@example.com |