

Integrations

StixTaxii For Director Console API

V6.1.0

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STIXTAXII

StixTaxii enriches incoming logs with cyber threat intelligence (CTI) that is written in *STIX* format and is shared via a *TAXII* server. It support *STIX/TAXII* versions 1.0, 2.0 and 2.1. StixTaxii is also a [threat intelligence](#) source.

INSTALLING STIXTAXII

2.1 Prerequisites

- Director Fabric v1.4.0 or later
- Director Console v1.6.0 or later
- Logpoint v6.12.2 or later
- Threat Intelligence v5.0.0 or later

2.2 Uploading StixTaxii to the Fabric Storage

2.2.1 Private Storage

You can upload StixTaxii to a private storage in the Fabric Storage using the **Upload - Upload** API.

Endpoint URL:

`https://api-server-host-name/configapi/Uploads/{pool_UUID}/`

Method:

`POST`

Header:

FIELD	DESCRIPTION
file_name	Name of the StixTaxii .pak file.
Content-Type	Content type of the StixTaxii .pak file. It must be <i>(application/octet-stream)</i> .

Parameters:

FIELD	TYPE	DESCRIPTION	REQUIRED
file	[Object]	The StixTaxii .pak file to be uploaded.	Mandatory

Success Response:

```
{
  "status": "Success",
  "message": "StixTaxii_6.1.0.pak successfully uploaded in the private storage. "
}
```

2.2.2 Public Storage

You can upload StixTaxii to a public storage in the Fabric Storage using the **Upload - UploadPublic files** API.

Endpoint URL:

```
https://api-server-host-name/configapi/Uploads/PublicUpload
```

Method:

```
POST
```

Header:

FIELD	DESCRIPTION
file_name	Name of the StixTaxii .pak file.
Content-Type	Content type of the StixTaxii .pak file. It must be (application/octet-stream).

Parameters:

FIELD	TYPE	DESCRIPTION	REQUIRED
file	[Object]	The StixTaxii .pak file to be uploaded.	Mandatory

Success Response:

```
{
  "status": "Success",
  "message": "StixTaxii_6.1.0.pak successfully uploaded in the public storage. "
}
```

2.3 Listing StixTaxii in the Fabric Storage

2.3.1 Private Storage

You can list the StixTaxii file uploaded in the private storage using the **Upload - List** API.

Endpoint URL:

```
https://api-server-host-name/configapi/Uploads/{pool_UUID}/list
```

Method:

```
GET
```

Success Response:

```
[  
  "StixTaxii_6.1.0.pak"  
]
```

2.3.2 Public Storage

You can list the StixTaxii file uploaded in the public storage using the **Upload - ListPublic** API.

Endpoint URL:

```
https://api-server-host-name/configapi/Uploads/list
```

Method:

```
GET
```

Success Response:

```
[  
  "StixTaxii_6.1.0.pak"  
]
```

2.4 Installing StixTaxii

You can install StixTaxii using the **Upload - Install** API. You must upload it to the Fabric Storage before the installation.

Endpoint URL:

```
https://api-server-host-name/configapi/Uploads/{pool_UUID}/{logpoint_identifier}/install
```

Method:

```
POST
```

Parameters:

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
application_type	–	String	Type of the application. Must be <i>Application</i> .	Mandatory
file_name	File	String	Name of the application file.	Mandatory
file_location	–	String	Location of the application file. Can be either <i>private</i> or <i>public</i> .	Mandatory

Request Example:

```
{
  "data": {
    "application_type": "Application",
    "file_name": "stixtaxii_6.1.0.pak",
    "file_location": "private"
  }
}
```

Success Response:

```
{
  "status": "Success",
  "message": "/monitorapi/{pool_UUID}/{logpoint_identifier}/orders/{request_id}"
}
```

UNINSTALLING STIXTAXII

You can uninstall StixTaxii in a Fabric-enabled Logpoint using the **Plugins - Uninstall** API. You must first *remove* the StixTaxii configuration to uninstall it.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/{logpoint_identifier}/Plugins/{id}
```

Method:

```
DELETE
```

Parameters:

FIELD	TYPE	DESCRIPTION	REQUIRED
id	String	StixTaxii ID. Obtain it using the StixTaxiiEnrichmentSource - List API.	Mandatory

Success Response:

```
{
  "status": "Success",
  "message": "/monitorapi/{pool_UUID}/{logpoint_identifier}/orders/{request_id}"
}
```


CONFIGURING STIXTAXII

4.1 Uploading a SSL Certificate File in the Fabric Storage

4.1.1 Private Storage

You can upload a SSL certificate file to a private storage in the Fabric storage using the **PluginConfiguration-Upload** API.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/PluginConfiguration/  
↪StixTaxiiEnrichmentSource/upload
```

Method:

```
POST
```

Header:

FIELD	LABEL IN UI	DESCRIPTION
Content-Type	–	Content type of the certificate file. It must be <i>Multipart/Form-data</i> .

Parameters:

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
file_name	–	Object	File to be uploaded.	Mandatory

Success Response:

```
{  
  "status": "Success",  
}
```

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```

    "message": "certificate.crt successfully uploaded in private storage."
  }

```

4.1.2 Public Storage

You can upload a SSL certificate file to a public storage in the Fabric storage using the **PluginConfiguration-UploadPublic** API.

Endpoint URL:

```

https://api-server-host-name/configapi/PluginConfiguration/StixTaxiiEnrichmentSource/
↪publicupload

```

Method:

```
POST
```

Header:

FIELD	LABEL IN UI	DESCRIPTION
Content-Type	–	Content type of the certificate file. It must be <i>Multipart/Form-data</i> .

Parameters:

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
file_name	–	Object	File to be uploaded.	Mandatory

Success Response:

```

{
  "status": "Success",
  "message": "certificate.crt successfully uploaded in public storage."
}

```

4.2 Listing the SSL Certificate File in the Fabric Storage

4.2.1 List Private Uploads

You can list the uploaded files to a private storage in the Fabric storage using the **PluginConfiguration-ListPrivateUploads** API.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/PluginConfiguration/  
↪ StixTaxiiEnrichmentSource/list
```

Method:

```
GET
```

Success Response:

```
[  
  "certificate.crt",  
  "privateKey.key"  
]
```

4.2.2 List Public Uploads

You can list the uploaded files to a public storage in the Fabric storage using the **PluginConfiguration-ListPublicUploads** API.

Endpoint URL:

```
https://api-server-host-name/configapi/PluginConfiguration/StixTaxiiEnrichmentSource/list
```

Method:

```
GET
```

Success Response:

```
[  
  "certificate.crt",  
  "privateKey.key"  
]
```

4.3 Configuring the STIX/TAXII Enrichment Source for STIX v1.0

You can configure the StixTaxii Enrichment Source using the **PluginConfiguration - Create** API.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/{logpoint_identifier}/PluginConfiguration/
↔ StixTaxiiEnrichmentSource
```

Method:

POST

Parameters:

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
st_enable_source	Enable Source	boolean	Parameter to enable or disable fetching of STIX data from a TAXII server.	Mandatory
discovery_url	Base URL	String	Location of the discovery service in the TAXII server.	Mandatory
begin	Fetch From	int	Parameter to fetch data from the last selected month, hour, or day.	Mandatory
begin_unit	Fetch From	String	Unit of the begin.	Mandatory
fetch_interval	Fetch Interval	int	An interval between the adjacent fetches.	Mandatory
fetch_interval_unit	Fetch Interval	String	Unit of the fetch interval.	Mandatory
stix_version	Version	String	STIX Version.	Mandatory
basic_auth_mode	Basic Authentication	JSON	Basic Authentication: basic_auth_status: Parameter to enable or disable the basic authentication. username: TAXII server username. password: TAXII server password.	Mandatory

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Table 1 – continued from previous page

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
ssl_mode	SSL Authentication	JSON	SSL Authentication: ssl_status: Parameter to enable or disable the SSL authentication. key_pass: Password used to decrypt the SSL key.	Mandatory
file_location	–	String	File location.	Mandatory
files	Files	JSON	TAXII server SSL configuration: cert_file: SSL certificate. cert_key: SSL key.	Mandatory
st_proxy	Proxy Configuration	JSON	TAXII server Proxy configuration: status: Parameter to enable or disable the proxy server. ip: Proxy server IP. port: Proxy server port. protocol: HTTP or HTTPS protocol used by the proxy server.	Mandatory

Request Example:

```
{
```

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```

"data":{
  "st_enable_source": true,
  "discovery_url": "https://open.taxiistand.com/services/discovery",
  "fetch_interval": 2,
  "fetch_interval_unit": "Days",
  "begin":20,
  "begin_unit": "Days",
  "st_proxy": {
    "status": false,
    "ip": "127.0.0.1",
    "protocol": "http",
    "port": 22
  },
  "ssl_mode":{
    "ssl_status": false,
    "key_pass": "12345"
  },
  "file_location": "public",
  "files": {
    "cert_file": "client.crt",
    "cert_key": "client.key"
  },
  "stix_version": "1",
  "basic_auth_mode": {
    "username": "guest",
    "basic_auth_status": false,
    "password": "guest"
  }
}
}

```

Success Response:

```

{
  "status": "Success",
  "message": "/monitorapi/{pool_UUID}/{logpoint_identifier}/orders/{request_id}"
}

```

4.4 Configuring the STIX/TAXII Enrichment Source for STIX v2.0 and v2.1

You can configure the StixTaxii Enrichment Source using the **PluginConfiguration - Create API**.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/{logpoint_identifier}/PluginConfiguration/  
↪ StixTaxiiEnrichmentSource
```

Method:

POST

Parameters:

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
st_enable_source	Enable Source	boolean	Parameter to enable or disable fetching of STIX data from a TAXII server.	Mandatory
discovery_url	Base URL	String	Location of the discovery service in the TAXII server.	Mandatory
begin	Fetch From	int	Parameter to fetch data from the last selected month, hour, or day.	Mandatory
begin_unit	Fetch From	String	Unit of the begin.	Mandatory
fetch_interval	Fetch Interval	int	An interval between the adjacent fetches.	Mandatory
fetch_interval_unit	Fetch Interval	String	Unit of the fetch interval.	Mandatory
stix_version	Version	String	STIX Version.	Mandatory

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Table 2 – continued from previous page

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
basic_auth_mode	Basic Authentication	JSON	Basic Authentication: basic_auth_status: Parameter to enable or disable the basic authentication. username: TAXII server username. password: TAXII server password.	Mandatory
ssl_mode	SSL Authentication	JSON	SSL Authentication: ssl_status: Parameter to enable or disable the SSL authentication. key_pass: Password used to decrypt the SSL key.	Mandatory
file_location	–	String	File location.	Mandatory
files	Files	JSON	TAXII server SSL configuration: cert_file: SSL certificate. cert_key: SSL key.	Mandatory

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Table 2 – continued from previous page

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
st_proxy	Proxy Configuration	JSON	TAXII server Proxy configuration: status: Parameter to enable or disable the proxy server. ip: Proxy server IP. port: Proxy server port. protocol: <i>HTTP</i> or <i>HTTPS</i> protocol used by the proxy server.	Mandatory

Request Example:

```
{
  "data":{
    "st_enable_source": true,
    "discovery_url": "https://open.taxiistand.com/services/discovery",
    "fetch_interval": 2,
    "fetch_interval_unit": "Days",
    "begin": 20,
    "begin_unit": "Days",
    "st_proxy": {
      "status": false,
      "ip": "127.0.0.1",
      "protocol": "http",
      "port": 22
    },
    "ssl_mode":{
      "ssl_status": false,
      "key_pass": "12345"
    },
    "file_location": "public",
    "files": {
      "cert_file": "client.crt",
      "cert_key": "client.key"
    },
    "stix_version": "2",
    "basic_auth_mode": {
      "username": "guest",
      "basic_auth_status": false,
      "password": "guest"
    }
  }
}
```

Success Response:

```
{
  "status": "Success",
  "message": "/monitorapi/{pool_UUID}/{logpoint_identifier}/orders/{request_id}"
}
```

4.5 General Information

You can find the details about the fetched data in **PluginConfiguration-List** API.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/{logpoint_identifier}/PluginConfiguration/  
↪ Ti_general
```

Method:

```
GET
```

Success Response:

```
[  
  {  
    "services": {  
      "stix_taxii": {  
        "last_successful_fetch": 0,  
        "name": "Stix Taxii",  
        "error": null,  
        "fetch_status": "Completed",  
        "no_of_entries": 0,  
        "last_fetch_attempt": 1569403863  
      },  
    },  
    "no_of_entries": 0,  
    "type": "ti_general",  
    "tid": "",  
    "id": "5c81f48e10959135395cabea"  
  }  
]
```

4.6 Listing all the StixTaxii Enrichment Source Configurations

You can list the StixTaxii configurations using the **PluginConfiguration - List** API.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/{logpoint_identifier}/PluginConfiguration/  
↪ Ti_stixtaxii
```

Method:

GET

Success Response:

```
[
  {
    "st_proxy": {
      "status": true,
      "ip": "127.0.0.1",
      "protocol": "http",
      "port": 22
    },
    "begin": 1,
    "ssl_mode": {
      "key_pass": "pass1",
      "ssl_status": True
    },
    "cert_file": "certificate.crt",
    "cert_key": "privateKey.key",
    "id": "5d8b2a522be2374b84949c82",
    "basic_auth_mode": {
      "username": "user1",
      "basic_auth_status": true,
      "password": "psw1"
    },
    "stix_version": "2",
    "fetch_interval": 1,
    "st_enable_source_confirmed": false,
    "tid": "",
    "discovery_url": "http://taxiiserver.com/taxii-discovery-service",
    "fetch_interval_unit": "Hours",
    "st_enable_source": true
  }
]
```

4.7 Editing the STIX/TAXII Enrichment Source Configuration

You can edit a StixTaxii configuration using the **PluginConfiguration - Edit** API.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/{logpoint_identifier}/PluginConfiguration/
↪ StixTaxiiEnrichmentSource/{id}
```

Method:

PUT

Parameters:

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
st_enable_source	Enable Source	boolean	Parameter to enable or disable fetching of <i>STIX</i> data from a <i>TAXII</i> server.	Mandatory
discovery_url	Base URL	String	Location of the discovery service in the <i>TAXII</i> server.	Mandatory
begin	Fetch From	int	Parameter to fetch data from the last selected month, hour or day.	Mandatory
begin_unit	Fetch From	String	Unit of the begin.	Mandatory
fetch_interval	Fetch Interval	int	An interval between the adjacent fetches.	Mandatory
fetch_interval_unit	Fetch Interval	String	Fetch interval unit.	Mandatory
stix_version	Version	String	<i>STIX</i> Version.	Mandatory
basic_auth_mode	Basic Authentication	JSON	Basic Authentication: basic_auth_status: Parameter to enable or disable the basic authentication. username: <i>TAXII</i> server username. password: <i>TAXII</i> server password.	Mandatory
ssl_mode	SSL Authentication	JSON	SSL Authentication: ssl_status: Parameter to enable or disable the SSL authentication. key_pass: Password used to decrypt the SSL key.	Mandatory
file_location	–	String	File location.	Mandatory

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Table 3 – continued from previous page

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
files	Files	JSON	TAXII server SSL configuration: cert_file : SSL certificate. cert_key : SSL key.	Mandatory
st_proxy	Proxy Configuration	JSON	TAXII server Proxy configuration: status : Parameter to enable or disable the proxy server. ip : IP of the proxy server. port : Port of the proxy server. protocol : <i>HTTP</i> or <i>HTTPS</i> used by the proxy server.	Mandatory
id	–	String	Existing StixTaxii Enrichment Source ID . Obtain it using the StixTaxiiEnrichmentSource - List API.	Mandatory

Request Example:

```
{
  "data":{
    "st_enable_source": true,
    "discovery_url": "https://open.taxiistand.com/services/discovery",
    "fetch_interval": 2,
    "fetch_interval_unit": "Days",
    "begin": 20,
    "begin_unit": "Days",
    "st_proxy": {
      "status": false,
      "ip": "127.0.0.1",
      "protocol": "http",
      "port": 22
    },
    "ssl_mode":{
      "ssl_status": false,
      "key_pass": "12345"
    },
    "file_location": "public",
    "files": {
      "cert_file": "client.crt",
      "cert_key": "client.key"
    },
    "stix_version": "2",
    "basic_auth_mode": {
      "username": "guest",
      "basic_auth_status": false,
      "password": "guest"
    }
  }
}
```

Success Response:

```
{
  "status": "Success",
  "message": "/monitorapi/{pool_UUID}/{logpoint_identifier}/orders/{request_id}"
}
```

4.8 Deleting the STIX/TAXII Enrichment Source Configuration

You can delete a StixTaxii configuration using the **PluginConfiguration - Trash** API.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/{logpoint_identifier}/PluginConfiguration/
↪StixTaxiiEnrichmentSource/{id}
```

Method:

Delete

Parameters:

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
id	–	String	Existing StixTaxiiEnrichmentSource ID. Obtain it using the StixTaxiiEnrichmentSource - List API	Mandatory

Success Response:

```
{
  "status": "Success",
  "message": "/monitorapi/{pool_UUID}/{logpoint_identifier}/orders/{request_id}"
}
```

4.9 Deleting the SSL Certificate File from the Fabric Storage

4.9.1 Trash Private Uploads

You can delete the uploaded certificate files in a private storage in the Fabric storage using the **PluginConfiguration-TrashPrivateUploads** API.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/PluginConfiguration/
↪StixTaxiiEnrichmentSource/{file_name}
```

Method:

DELETE

Parameters:

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
file_name	–	String	File to be deleted.	Mandatory

Success Response:

```
{
  "status": "Success",
  "message": "certificate.crt successfully deleted."
}
```

4.9.2 Trash Public Uploads

You can delete the certificate uploaded files in a public storage in the Fabric storage using the **PluginConfiguration-TrashPublicUploads** API.

Endpoint URL:

```
https://api-server-host-name/configapi/PluginConfiguration/StixTaxiiEnrichmentSource/{file_
↪name}
```

Method:

DELETE

Header:

FIELD	LABEL IN UI	DESCRIPTION
Content-Type	–	Content type of the certificate file. It must be <i>Multipart/Form-data</i> .

Parameters:

FIELD	LABEL IN UI	TYPE	DESCRIPTION	REQUIRED
file_name	–	String	File to be deleted.	Mandatory

Success Response:

```
{  
  "status": "Success",  
  "message": "certificate.crt successfully deleted."  
}
```

STIXTAXII - REFRESHLIST

5.1 Refreshing the list for StixTaxii Collections

You can refresh the updated collections of StixTaxii using the **PluginConfiguration - RefreshList** API.

Endpoint URL:

```
https://api-server-host-name/configapi/{pool_UUID}/{logpoint_identifier}/PluginConfiguration/  
↪ StixTaxiiEnrichmentSource/refreshlist
```

Method:

```
POST
```

Request Example:

```
{  
  "data": {  
  }  
}
```

Success Response:

```
{  
  "status": "Success",  
  "message": "/monitorapi/{pool_UUID}/{logpoint_identifier}/orders/{request_id}"  
}
```

STIXTAXII - TRASH

6.1 Deleting StixTaxii from the Fabric Storage

6.1.1 Private Uploads

You can delete StixTaxii from a private storage in the Fabric Storage using the **Upload - TrashPrivate** API.

Endpoint URL:

```
https://api-server-host-name/configapi/Uploads/{pool_UUID}/{file_name}
```

Method:

```
DELETE
```

Parameters:

FIELD	TYPE	DESCRIPTION	REQUIRED
id	String	StixTaxii application ID. Obtain it using the Plugins - List API.	Mandatory

Success Response:

```
{
  "status": "Success",
  "message": "monitorapi/{pool_UUID}/{logpoint_identifier}/orders/{request_id} "
}
```

6.1.2 Public Uploads

You can delete StixTaxii from a public storage in the Fabric Storage using the **Upload - TrashPrivate** API.

Endpoint URL:

```
https://api-server-host-name/configapi/Uploads/{file_name}
```

Method:

```
DELETE
```

Parameters:

FIELD	TYPE	DESCRIPTION	REQUIRED
id	String	StixTaxii application ID. Obtain it using the Plugins - List API.	Mandatory

Success Response:

```
{
  "status": "Success",
  "message": "monitorapi/{pool_UUID}/{logpoint_identifier}/orders/{request_id}"
}
```