

Table of Contents

| | |
|--|----------|
| Request-Shipment application..... | 1 |
| Batch data upload..... | 1 |
| Instructions..... | 1 |
| Creating and uploading Request data..... | 1 |
| Creating..... | 1 |
| Uploading through file system..... | 2 |
| Uploading through service..... | 2 |
| Creating and uploading Shipment data..... | 2 |
| Creating..... | 3 |
| Uploading through file system..... | 3 |
| Uploading through service..... | 4 |
| Creating and uploading Shipment Item data..... | 4 |
| Creating..... | 4 |
| Uploading through file system..... | 5 |
| Uploading through service..... | 5 |
| Templates..... | 5 |
| Request..... | 5 |
| Shipment..... | 6 |
| Shipment Item..... | 7 |

Request-Shipment application

Application can be accessed by using these URLs:

- Development: <https://vocms0171.cern.ch/tracker/components/components>

Batch data upload

In order to batch upload data XML or JSON files of the specific structure have to be prepared. Below are the template examples for various database objects.

Instructions

IMPORTANT: Request data has to be uploaded before proceeding with Shipments in case shipment ordered by request!

IMPORTANT: Shipment data have to be uploaded before proceeding with Shipment Items!

IMPORTANT: In case shipment ordered by request, Shipment relates to Request by Shipment Item ROOT/DATA_SET/DATA/SHI_REQUEST_NUMBER field!

Creating and uploading Request data

Creating

- for each request you will have to prepare a separate XML or JSON file (see template below)
- ROOT/HEADER/RUN/RUN_NUMBER provide Request ID, it has to be unique thus you have to read it from database, i.e.

```
python /afs/cern.ch/user/v/valdo/public/rhapi.py -n --url=http://tracker-machine-a:8113 -f csv "s
```

- ROOT/HEADER/RUN/RUN_TYPE=Tracker Requests
- ROOT/HEADER/RUN/RUN_BEGIN_TIMESTAMP run begin timestamp
- ROOT/HEADER/TYPE/EXTENSION_TABLE_NAME=TRK_REQUESTS
- ROOT/HEADER/TYPE/NAME=Tracker Requests
- ROOT/DATA_SET/CREATED_BY_USER provide user name which prepares this file and uploads data i.e. your name
- ROOT/DATA_SET/SUBVERSION=1 (for new requests)
- ROOT/DATA_SET/DATA/REQ_KIND_OF_PART_ID which corresponds to component type ID and have to be looked up from database, i.e.

```
python /afs/cern.ch/user/v/valdo/public/rhapi.py --url=http://tracker-machine-a:8113 -f csv "sele
```

- ROOT/DATA_SET/DATA/REQ_LOCATION_ID provide location where components are to be delivered ID and have to be looked up from database, i.e.

TrackerConstructionDB < Sandbox < TWiki

```
python /afs/cern.ch/user/v/valdo/public/rhapi.py --url=http://tracker-machine-a:8113 -f csv "sele
```

- ROOT/DATA_SET/DATA/REQ_NAME provide request title, any string, i.e. "Urgent request for construction"
- ROOT/DATA_SET/DATA/REQ_QUANTITY is a number of Components requested, i.e. 12 (integer)
- ROOT/DATA_SET/DATA/REQ_STATUS is a Request status, one of OPEN (not fulfilled), CLOSED (already fulfilled), CANCELED (canceled)
- ROOT/DATA_SET/DATA/REQ_STATUS_COMMENT is any comment for Request
- ROOT/DATA_SET/DATA/REQ_STATUS_DATE is the Date of the request, i.e. 2018-10-01
- ROOT/DATA_SET/DATA/REQ_STATUS_PERSON is the responsible person name of the request, i.e. your name

Uploading through file system

- zip request data files into the single bundle, i.e. my_requests.zip

```
zip my_requests.zip request1.xml request2.xml
```

- copy zip file to db loader **development** database

```
scp my_requests.zip tracker-machine-a:/home/dbspool/spool/trker/int2r
```

- copy zip file to db loader **production** database

```
scp my_requests.zip tracker-machine-a:/home/dbspool/spool/trker/cmsr
```

Uploading through service

Instant response: loaded - success, other message - no success

Handles file types: XML, JSON, ZIP

- zip request data files into the single bundle, i.e. my_requests.zip

```
zip my_requests.zip request1.xml request2.xml
```

- upload file to db loader **production** database

```
curl -F 'uploadFile=@my_requests.zip' http://tracker-machine-a/trker/cmsr/load/file
```

- upload file to db loader **development** database

```
curl -F 'uploadFile=@my_requests.zip' http://tracker-machine-a/trker/int2r/load/file
```

Creating and uploading Shipment data

Creating

- for each shipment you will have to prepare a separate XML or JSON file (see template below)
- ROOT/HEADER/RUN/RUN_NUMBER provide Shipment ID, it has to be unique thus you have to read it from database, i.e.

```
python /afs/cern.ch/user/v/valdo/public/rhapi.py -n --url=http://tracker-machine-a:8113 -f csv "s
```

- ROOT/HEADER/RUN/RUN_TYPE=Tracker Shipments
- ROOT/HEADER/RUN/RUN_BEGIN_TIMESTAMP run begin timestamp
- ROOT/HEADER/TYPE/EXTENSION_TABLE_NAME=TRK_SHIPMENTS
- ROOT/HEADER/TYPE/NAME=Tracker Shipments
- ROOT/DATA_SET/CREATED_BY_USER provide user name which prepares this file and uploads data i.e. your name
- ROOT/DATA_SET/SUBVERSION=1 (for new shipment)
- ROOT/DATA_SET/DATA/SHP_COMPANY_NAME shipment company name (e.g. Fedex)
- ROOT/DATA_SET/DATA/SHP_FROM_LOCATION_ID location where shipment are to be ordered from ID and have to be looked up from database, i.e.

```
python /afs/cern.ch/user/v/valdo/public/rhapi.py --url=http://tracker-machine-a:8113 -f csv "sele
```

- ROOT/DATA_SET/DATA/SHP_TO_LOCATION_ID location where shipment are to be delivered to ID and have to be looked up from database, i.e.

```
python /afs/cern.ch/user/v/valdo/public/rhapi.py --url=http://tracker-machine-a:8113 -f csv "sele
```

- ROOT/DATA_SET/DATA/SHP_STATUS is a Shipment status, one of SHIPPED (not fulfilled), RECEIVED (already fulfilled), CANCELED (canceled)
- ROOT/DATA_SET/DATA/SHP_STATUS_COMMENT any comment for shipment
- ROOT/DATA_SET/DATA/SHP_STATUS_DATE is the Date of the shipment, i.e. 2018-10-01
- ROOT/DATA_SET/DATA/SHP_STATUS_PERSON is the responsible person name of the shipment, i.e. your name
- ROOT/DATA_SET/DATA/SHP_TRACKING_NUMBER is the shipment company tracking number

Uploading through file system

- zip shipment data files into the single bundle, i.e. my_shipments.zip

```
zip my_shipments.zip shipment1.xml shipment2.xml
```

- copy zip file to db loader **development** database

```
scp my_shipments.zip tracker-machine-a:/home/dbspool/spool/trker/int2r
```

- copy zip file to db loader **production** database

```
scp my_shipments.zip tracker-machine-a:/home/dbspool/spool/trker/cmsr
```

Uploading through service

Instant response: loaded - success, other message - no success

Handles file types: XML, JSON, ZIP

- zip request data files into the single bundle, i.e. my_requests.zip

```
zip my_requests.zip request1.xml request2.xml
```

- upload file to db loader **production** database

```
curl -F 'uploadFile=@my_requests.zip' http://tracker-machine-a/trker/cmsr/load/file
```

- upload file to db loader **development** database

```
curl -F 'uploadFile=@my_requests.zip' http://tracker-machine-a/trker/int2r/load/file
```

Creating and uploading Shipment Item data

Creating

- for each shipment Item you will have to prepare a separate XML or JSON file (see template below)
- ROOT/HEADER/RUN/RUN_NUMBER run number of shipment to which shipment item will be attached. Fetch it from <https://vocms0171.cern.ch/tracker/components/shipments#> [↗](#) Shipment table ID column
- ROOT/HEADER/RUN/RUN_TYPE=Tracker Shipment Items
- ROOT/HEADER/RUN/RUN_BEGIN_TIMESTAMP run begin timestamp
- ROOT/HEADER/TYPE/EXTENSION_TABLE_NAME=TRK_SHIPMENT_ITEMS
- ROOT/HEADER/TYPE/NAME=Tracker Shipment Items
- ROOT/DATA_SET/CREATED_BY_USER provide user name which prepares this file and uploads data i.e. your name
- ROOT/DATA_SET/SUBVERSION=1 (for new shipment item)
- ROOT/DATA_SET/DATA/SHI_COMMENT any comment for shipment item
- ROOT/DATA_SET/DATA/SHI_PART_ID Part ID associated with shipment item. Firstly read list of KOP ID from database. Secondly read list of parts by KOP_ID.

```
python /afs/cern.ch/user/v/valdo/public/rhapi.py --url=http://tracker-machine-a:8113 -f csv "sele
```

then select part ID's by KOP_ID:

```
python /afs/cern.ch/user/v/valdo/public/rhapi.py --url=http://tracker-machine-a:8113 -f csv "sele
```

Uploading through file system

- ROOT/DATA_SET/DATA/SHI_REQUEST_NUMBER associate with concrete request ID. Request ID have to be read from database. Could be empty in case shipment proceed without request

```
python /afs/cern.ch/user/v/valdo/public/rhapi.py --url=http://tracker-machine-a:8113 -f csv "sele
```

Uploading through file system

- zip shipments items data files into the single bundle, i.e. my_shipments_items.zip

```
zip my_shipments_items.zip shipment_items1.xml shipment_items2.xml
```

- copy zip file to db loader **development** database

```
scp my_shipments_items.zip tracker-machine-a:/home/dbspool/spool/trker/int2r
```

- copy zip file to db loader **production** database

```
scp my_shipments_items.zip tracker-machine-a:/home/dbspool/spool/trker/cmsr
```

Uploading through service

Instant response: loaded - success, other message - no success

Handles file types: XML, JSON, ZIP

- zip request data files into the single bundle, i.e. my_requests.zip

```
zip my_requests.zip request1.xml request2.xml
```

- upload file to db loader **production** database

```
curl -F 'uploadFile=@my_requests.zip' http://tracker-machine-a/trker/cmsr/load/file
```

- upload file to db loader **development** database

```
curl -F 'uploadFile=@my_requests.zip' http://tracker-machine-a/trker/int2r/load/file
```

Templates

Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ROOT xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <HEADER>
    <RUN>
      <RUN_NUMBER>10</RUN_NUMBER>
      <RUN_TYPE>Tracker Requests</RUN_TYPE>
      <RUN_BEGIN_TIMESTAMP>2015-11-03 19:00:00</RUN_BEGIN_TIMESTAMP>
    </RUN>
    <TYPE>
      <EXTENSION_TABLE_NAME>TRK_REQUESTS</EXTENSION_TABLE_NAME>
      <NAME>Tracker Requests</NAME>
    </TYPE>
  </HEADER>
  <DATA_SET>
    <CREATED_BY_USER>apoluden</CREATED_BY_USER>
    <SUBVERSION>1</SUBVERSION>
    <DATA>
      <REQ_KIND_OF_PART_ID>1000</REQ_KIND_OF_PART_ID>
```

TrackerConstructionDB < Sandbox < TWiki

```
<REQ_LOCATION_ID>101010</REQ_LOCATION_ID>
<REQ_NAME>apoluden0</REQ_NAME>
<REQ_QUANTITY>100</REQ_QUANTITY>
<REQ_STATUS>OPEN</REQ_STATUS>
<REQ_STATUS_COMMENT>request comment</REQ_STATUS_COMMENT>
<REQ_STATUS_DATE>2018-09-06</REQ_STATUS_DATE>
<REQ_STATUS_PERSON>apoluden1</REQ_STATUS_PERSON>
</DATA>
</DATA_SET>
</ROOT>
```

```
{
  "Root": {
    "Header": {
      "Type": {
        "Name": "Tracker Requests",
        "ExtensionTableName": "TRK_REQUESTS"
      },
      "Run": {
        "RunNumber": "10",
        "RunType": "Tracker Requests",
        "RunBeginTimestamp": "2015-11-03 19:00:00"
      }
    },
    "Datasets": [
      {
        "Dataset": {
          "CreatedByUser": "apoluden",
          "Subversion": 1,
          "Data": [
            {
              "req_name": "apoluden0",
              "req_location_id": "101010",
              "req_kind_of_part_id": "1000",
              "req_quantity": "100",
              "req_status": "OPEN",
              "req_status_comment": "request comment",
              "req_status_date": "2018-09-06",
              "req_status_person": "apoluden1"
            }
          ]
        }
      }
    ]
  }
}
```

Shipment

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ROOT xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <HEADER>
    <RUN>
      <RUN_NUMBER>200</RUN_NUMBER>
      <RUN_TYPE>Tracker Shipments</RUN_TYPE>
      <RUN_BEGIN_TIMESTAMP>2015-11-03 19:00:00</RUN_BEGIN_TIMESTAMP>
    </RUN>
    <TYPE>
      <EXTENSION_TABLE_NAME>TRK_SHIPMENTS</EXTENSION_TABLE_NAME>
      <NAME>Tracker Shipments</NAME>
    </TYPE>
  </HEADER>
  <DATA_SET>
    <CREATED_BY_USER>apoluden</CREATED_BY_USER>
    <SUBVERSION>3</SUBVERSION>
```

```

<DATA>
  <SHP_COMPANY_NAME>company</SHP_COMPANY_NAME>
  <SHP_FROM_LOCATION_ID>100</SHP_FROM_LOCATION_ID>
  <SHP_STATUS>SHIPPED</SHP_STATUS>
  <SHP_STATUS_COMMENT>shipment component comment</SHP_STATUS_COMMENT>
  <SHP_STATUS_DATE>2018-09-06</SHP_STATUS_DATE>
  <SHP_STATUS_PERSON>apoluden</SHP_STATUS_PERSON>
  <SHP_TO_LOCATION_ID>200</SHP_TO_LOCATION_ID>
  <SHP_TRACKING_NUMBER>SEAPS5000495784V2</SHP_TRACKING_NUMBER>
</DATA>
</DATA_SET>
</ROOT>

```

```

{
  "Root": {
    "Header": {
      "Type": {
        "Name": "Tracker Shipments",
        "ExtensionTableName": "TRK_SHIPMENTS"
      },
      "Run": {
        "RunNumber": "200",
        "RunType": "Tracker Shipments",
        "RunBeginTimestamp": "2015-11-03 19:00:00"
      }
    },
    "Datasets": [
      {
        "Dataset": {
          "CreatedByUser": "apoluden",
          "Subversion": 3,
          "Data": [
            {
              "shp_company_name": "company",
              "shp_tracking_number": "SEAPS5000495784V2",
              "shp_from_location_id": "100",
              "shp_to_location_id": "200",
              "shp_status": "SHIPPED",
              "shp_status_comment": "shipment component comment",
              "shp_status_date": "2018-09-06",
              "shp_status_person": "apoluden"
            }
          ]
        }
      }
    ]
  }
}

```

Shipment Item

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ROOT xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <HEADER>
    <RUN>
      <RUN_NUMBER>200</RUN_NUMBER>
      <RUN_TYPE>Tracker Shipment Items</RUN_TYPE>
      <RUN_BEGIN_TIMESTAMP>2015-11-03 19:00:00</RUN_BEGIN_TIMESTAMP>
    </RUN>
    <TYPE>
      <EXTENSION_TABLE_NAME>TRK_SHIPMENT_ITEMS</EXTENSION_TABLE_NAME>
      <NAME>Tracker Shipment Items</NAME>
    </TYPE>
  </HEADER>
  <DATA_SET>
    <CREATED_BY_USER>apoluden</CREATED_BY_USER>

```


TrackerConstructionDB < Sandbox < TWiki

```
<SUBVERSION>1</SUBVERSION>
<DATA>
  <SHI_COMMENT>shippment request comment</SHI_COMMENT>
  <SHI_PART_ID>100</SHI_PART_ID>
  <SHI_REQUEST_NUMBER>10</SHI_REQUEST_NUMBER>
</DATA>
</DATA_SET>
</ROOT>
```

```
{
  "Root": {
    "Header": {
      "Type": {
        "Name": "Tracker Shipment Items",
        "ExtensionTableName": "TRK_SHIPMENT_ITEMS"
      },
      "Run": {
        "RunNumber": "200",
        "RunType": "Tracker Shipment Items",
        "RunBeginTimestamp": "2015-11-03 19:00:00"
      }
    },
    "Datasets": [
      {
        "Dataset": {
          "CreatedByUser": "apoluden",
          "Subversion": 1,
          "Data": [
            {
              "shi_request_number": "10",
              "shi_comment": "shippment request comment",
              "shi_part_id": 100
            }
          ]
        }
      }
    ]
  }
}
```

-- AlessandroDiMattia - 2018-09-25

This topic: [Sandbox > TrackerConstructionDB](#)
Topic revision: r18 - 2019-12-13 - AivarasSilale



Copyright &© 2008-2021 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.
or Ideas, requests, problems regarding TWiki? use [Discourse](#) or [Send feedback](#)