
# Documentation for Import Station

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# Import Station

The OpenKM Import Station is a web application used to manage tasks for importing data into OpenKM repository.

There are several types of a tasks, the most commont ones are focused on the process of uploading files with metadata to OpenKM.

Import Station Tasks are based in a plugin system what allows to be quickly extended building your own Tasks.

Common task features:

- Launched on demand or scheduled.
- Full audit of actions and events.
- Report of actions and events between range of dates.

# Setup

## Download

You can download the application from OpenKM Download center.

To run the application on your computer you will need Java 8 installed.

## Linux configuration

Unzip de **Import-station-1.0. zip** file at **/home/openkm/**

The name of the zip document might be changed.

```
$ cd /home/openkm
$ unzip Import-station-1.0.zip
```

In the **/home/openkm/import-station-1.0/** folder you will have the following content:

- **jar file** of the import-station application.
- **plugins folder**: what contains the list of plugins availables.
- **import-station.cfg**: configuration file.
- **translations.sql:** contains the translation terms of the application.

#### Register translations

You must register the import station translation in your OpenKM. The application is used for storing the import-station translations.

- Go to your OpenKM at Administration > Tools > **Database Query**.
- Copy all the **sql contents into the text area**.
- Choose **jdbc option** from the bottom right.
- Click on the "**Execute**" Button.

#### Configure connection

Edit the import-station.cfg file with the following values:

| Property | Description |
| --- | --- |
| **okm.url** | OpenKM url<br>`http://localhost:8080/OpenKM/` |

| | |
|---|---|
| **okm.import.plugins.directory** | Path of the<br>`/home/openkm/import-station-1.0/plugins` |

**Launch the application**

To launch the application use this command:

```
$ java -jar import-station-1.0.jar
```

This will deploy a web application in the **port 3000.**

The application running opening the URL **http://YOUR_SERVER_IP:/3000** in a browser ( for example http://localhost:3000/ ).

The first time you login into the application a file called **import-station.db** will be created into the **/home/openkm/import-station-1.0/** folder.

The **import-station.db** file is an embeded database file, used by the application, what contains relevant information. Do not delete it.

**Launch with custom cfg file**

You can launch the app with your custom config file. For it, just set the absolute route to the configuration file as a parameter:

```
$ java -jar import-station-1.0.jar /home/user/myConfig.cfg
```

**Application command line help**

Running the application with the command **help** will prints information about all available command line application options.

```
$ java -jar import-station-1.0.jar help
```

## Windows configuration

Unzip de **Import-station-1.0. zip** file at **c:\openkm**

The name of the zip document might be changed.

In the **c:\openkm\import-station-1.0** folder you will have the following content:

- **jar file** of the import-station application.
- **plugins folder**: what contains the list of plugins availables.
- **import-station.cfg**: configuration file.

- **translations.sql:** contains the translation terms of the application.

### Register translations

You must register the import station translation in your OpenKM. The application is used for storing the import-station translations.

- Go to your OpenKM at Administration > Tools > **Database Query**.
- Copy all the **sql contents into the text area**.
- Choose **jdbc option** from the bottom right.
- Click on the "**Execute**" Button.

### Configure connection

Edit the import-station.cfg file with the following values:

| Property | Description |
|---|---|
| **okm.url** | OpenKM url<br>`http://localhost:8080/OpenKM/` |
| **okm.import.folder** | OpenKM default import path.<br>`/okm:root/import`<br>By default documents are imported to /okm:root/import |
| **okm.import.plugins.directory** | Path of the<br>`c:/openkm/import-station-1.0/plugins` |

### Launch the application

To launch the application use this command:

```
C:\> java -jar import-station-1.0.jar
```

This will deploy a web application in the **port 3000.**

The application running opening the URL **http://YOUR_SERVER_IP:/3000** in a browser ( for example http://localhost:3000/ ).

The first time you login into the application a file called **import-station.db** will be created into the

**c:\openkm\import-station-1.0** folder.

The **import-station.db** file is an embeded database file, used by the application, what contains relevant information. Do not delete it.

**Launch with custom cfg file**

You can launch the app with your custom config file. For it, just set the absolute route to the configuration file as a parameter:

```
C:\> java -jar import-station-1.0.jar c:/myConfig.cfg
```

**Application command line help**

Running the application with the command **help** will prints information about all available command line application options.

```
C:\> java -jar import-station-1.0.jar help
```

# User guide

You can use the Quick start guide to learn the basics.

## Menu bar

The menu bar of the application contains the following items:

| Element | Description |
|---|---|
| **Application title** | Clicking on it the application will navigate to main page |
| **Home** | Link to main page. See what is the main page in Quick start secion. |
| **Add task** | Link to add task section. |
| **Language flags** | Click on the flags to change application laguage.<br>At the present only English and Spanish translations are available |
| **User login** | Link to logout from the application |

## Breadcrumb

In the top of each page there is a navigation section. It help the user to going back to previous visited application sections.

# Quick start

This section contains information about how to log into the application and what will see after user login.

## Login

Once you point your browser to **http://YOUR_SERVER_IP:3000** you will see the application login page. This page is the first shown to the user when you point your browser to the application.

You should use your Openkm login and password in order to get access to the application:

If the login and password are correct you will enter the application

If the login or password are not correct you will see an error

Login credentials are stored inside import-station.cfg file (**only if okm.system.user are empty**). This user will be used to schedule periodic tasks after system reboot.

If you want to change this user just leave empty both okm.system.user and okm.system.password properties.

## Main page

This is the first page we will see after login into the application. The main page of the application contains a table showing every task registered in the system with the state and possible actions.

The table contains the following information:

| Field | Description |
|---|---|
| **Type** | On demand or scheduled |
| **Name** | Task name |
| **State** | State of the task.<br>**State** / **Description**<br>**Stopped** — The task it's not scheduled in the system and it's not running neither<br>**Scheduled** — The task is scheduled in the system using cron expression |

| | |
|---|---|
| **Running** | The task is running in the system |
| **Error** | Blinking element. Indicates that there is an error in an execution |

**Processor**

Plugin to be executed in the task.

Depending on which plugins have configured this list will vary.

**Actions**

List of actions to operate with this task.

| Action | Description |
|---|---|
| **Run** | This action launch the task. If it's periodic it will be scheduled. If it's not, it will be executed only once. |
| **Edit** | Change task proeprties. You could also change the plugin to execute.<br>A user only can change task properties when a task is **Stopped**. |
| **Stop** | Stop and unschedule (if it's periodic) task. |
| **Delete** | Delete task.<br>A user only can delete task when a task is **Stopped**. |
| **CSV Report** | Get a report in csv format of every execution and execution event between two dates. |
| **View executions** | View execution and execution events for each task. See Manage task executions section |

If you have any execution problem on any task you will see this message:

**You have executions with errors. Please check them.**

This message is shown to indicate the user that something went wrong and you should fix it.

There is a **Refresh** button in the main page. It's used to realod the page to see current status of each task.

# Add Task

- Click on the menu option named "**Add task**" at the top to **create a new task**.
- You must fill the required information. The page is divided in two sections ( General properties and Custom properties ).
- Finally click on the button "**Create task**".

**General properties**

Description:

| Property | Type | Description | Required |
|---|---|---|---|
| **Name** | **String** | The name of the task. | **Yes.** |
| **Processor** | **Plugin** | Plugin to be executed. | **Yes.** |
| **Periodic task** | **Boolean** | Indicates if the task is periodic or not | **Optional.** |
| **Scheduled expression** | **String** | Set a Cron expression for task schedule.<br>If the expression **is not a valid cron expression**, it will produce an error and the task will not be executed. | Required when periodic task checkbox is checked. |

Every periodic task is automatically scheduled after a system reboot.

**Custom properties**

Each Processor - Plugin - has its own properties what are shown as a form.

You can create your own Processor, more information at Create your own import station plugin.

In this section are shown the **specific processor properties**. Each processor show its own properties in a form, what must be filled in order to be able to execute the task.

This form is shown when the Processor is selected from the dropdown list in the general properties section.

If you chage the metadata in OpenKM while Import Station is running **you must restart** your Import Station instance.

This is because metadata value are cached and any change in OpenKM will not be propagated.

# Manage task executions

In the task executions view are shown the status of all the task executed by the application.

Click on "**Mark all as revised**" button to change the state of all the task executions to " **revised**".

Description of the fields of the table are:

| Column | Desc |
|---|---|
| **Start date** | When the execution started. |
| **End date** | When the execution ended. |
| **State** | State of execution.<br><br>The allowed states are:<br><br>**State**<br>**Running** — The task is running at the present.<br>**Error not revised** — There were errors in this execution.<br>When an error is produced has the state value "**Error not revised**".<br>This state force the user to reviewing it, showing an alert from the main ap<br>**Error** — There were errors in this execution.<br>**OK** — The execution was correct. |
| **Actions** | Available actions:<br><br>**Action** / **Description**<br>**View events** — View the log of the task executed. |

See task executions events section for more information.

# See task executions events

There is a complete audit log for every task execution process.

Description of the execution events table:

| Column | Description |
|---|---|
| **Description** | Description of the event |
| **Type** | Type of event:<br>**Type** / **Description**<br>**OK** — Executed correctly.<br>**Error** — Description of the problem occured during the execution. |

# Configure Windows Service

From version 1.7 you can configure Import Station as a service.

To do just follow these steps:

1. Open a Windows terminal as an Administrator
2. Go to Import Station folder and run the following command

   **import-station-windows-service.exe install**

   To uninstall the service just use: **import-station-windows-service.exe uninstall**

3. Reset your Windows instance

After these steps you should have Import Station installed as a Service in your machine

## Requirements

- Windows 10
- .NET Framework 4

# Configure Linux Service

From version 1.9 you can configure Import Station as a service in Linux.

See https://docs.spring.io/spring-boot/docs/current/reference/html/deployment-install.html for more info

To do just follow these steps:

1. Create a file called **import-station.service** inside **/etc/systemd/system** folder
2. File content should be:

```
[Unit]
Description=import-station
After=syslog.target

[Service]
User=userToExecuteImportStation
ExecStart=/path/to/app/import-station.jar
SuccessExitStatus=143

[Install]
WantedBy=multi-user.target
```

3. To flag the application to start automatically on system boot, use the following command:

```
systemctl enable import-station.service
```

# Plugins

Import Station plugin system helps you to add software components, increasing the application features.

The application must be launched, at least with one plugin in plugins folder, otherwise you will not be able to create task.

If a task was created with a plugin what is no longer present in the plugins folder, the application will raise an error.

# Built in Import Station Plugins

| Name | Description |
|---|---|
| **DownloadProcessor** | Look into an OpenKM folder and download every file to import-station machine. They will be also moved to a processed folder in OpenKM.<br><br>Downloaded files will have the folowing format: <file_uuid>.<extension><br><br>**Example:** file named **document.pdf** and uuid **1111-2222-3333-4444** will be renamed to **1111-2222-3333-4444.pdf** in your local machine.<br><br>**Parameters:**<br><br>• OpenKM origin path.<br>• OpenKM processed path.<br>• Local machine path. |
| **FolderProcessor** | Iterate across disk folder recursively processing every file (depending on an extension filter).<br><br>**Parameters:**<br><br>• Local disk path.<br>• Remote OpenKM destination path.<br>• Data file extension.<br>• Delete on finished.<br>• Enable backup.<br><br>Enable backup option will copy every file of this execution to a folder. This folder will be in the following path:<br><br><execution_path>/backup/<task_name>/<date_of_execution>-<execution_id><br><br>**Example**: /home/user/backup/Processor task/2017-07-01-876 |
| **PropertiesProcessorCsvSingle** | Iterate across disk folder recursively processing CSV.<br><br>For each CSV file, the processor upload into OpenKM a document |

| | |
|---|---|
| | what have the same CSV file name but distinct extension.<br>For each document uploaded, are set metadata values what comes into the CSV file.<br><br>**Parameters:**<br>• Local disk path.<br>• Remote OpenKM destination path.<br>• Data file extension.<br>• Delete on finished.<br>• Enable backup.<br>• Delimiter character.<br>• Quote character.<br>• Comment character.<br>• Skip headers.<br>• CSV Columns to OpenKM metadata fields mapping.<br>You can use - character to skip a column (if needed)<br>Enable backup option will copy every file of this execution to a folder. This folder will be in the following path:<br><execution_path>/backup/<task_name>/<date_of_execution>-<execution_id><br>**Example**: /home/user/backup/Processor task/2017-07-01-876 |
| **PropertiesProcessorCsvMultiple** | Iterate across disk folder recursively processing CSV.<br>Each document referenced into the CSV file - have a column with document name - is uploaded into OpenKM.<br>For each document uploaded, are set metadata values what comes into the CSV file.<br><br>**Parameteres:**<br>• Local disk path.<br>• Remote OpenKM destination path.<br>• Data file extension.<br>• Delete on finished. |

- Enable backup.
- Delimiter character.
- Quote character.
- Comment character.
- Skip headers.
- CSV Columns to OpenKM metadata fields mapping.

You can use - character to skip a column (if needed)

File name will be read from property named 'FILE_NAME'.

Enable backup option will copy every file of this execution to a folder. This folder will be in the following path:

<execution_path>/backup/<task_name>/<date_of_execution>-<execution_id>

**Example**: /home/user/backup/Processor task/2017-07-01-876

**SetMetadataProcessor**

Iterate across disk folder recursively processing CSV.

Each document referenced into the CSV file - have a column with document name and another one with document uuid - is modified into OpenKM

to set metadata values what comes into the CSV file.

**Parameteres:**

- Local disk path.
- Remote OpenKM destination path.
- Data file extension.
- Delete on finished.
- Enable backup.
- Delimiter character.
- Quote character.
- Comment character.
- Skip headers.
- CSV Columns to OpenKM metadata fields mapping.

You can use - character to skip a column (if needed)

File name will be read from property named 'FILE_NAME'.

File uuid will be read from property named 'UUID'.

Enable backup option will copy every file of this execution to a folder. This folder will be in the following path:

<execution_path>/backup/<task_name>/<date_of_execution>-<execution_id>

**Example**: /home/user/backup/Processor task/2017-07-01-876

# Register a new plugin

Follow the next steps to register a new plugin in the app:

- Create a jar file within the plugin.
- Place the jar inside the **plugins folder** (see Setup about plugins folder) of the app.
- Restart the application.

You can use the project named import-station-plugins ( take a look at Create your own import station plugin ) to create your own classes or create your own.

After these steps the plugin is registered in the application and you can use it for creating new tasks.

# Create your own import station plugin

To create your own import plugin must **create a new class that implements PropertiesProcessor interface**:

```
public interface PropertiesProcessor extends Plugin {
    String getName();
    String getDescription();
    Class<?> getFormBeanClass();
    boolean doJob(long executionTaskId, FormProperties formProperties, OKMWebservices
    String getAddTaskFormName();
    String getEditTaskFormName();
}
```

Do not miss the tag **@PluginImplementation** otherwise the application plugin system will not be able to retrieve the new class.

The **new class must be loaded into the package com.openkm.processor** because application plugin system will try to load from there.

## Methods description

| Method | Return | Description |
|---|---|---|
| **getName()** | **String** | This method will provide the name of the plugin. |
| **getDescription()** | **String** | Detailed plugin description shown below the combo named "Processor" in the task edit view. |
| **getFormBeanClass()** | **Class<?>** | Return the bean used to store the information of the application form. |
| **doJob(long executionTaskId, FormProperties formProperties, WsInterface wsInterface)** | **boolean** | This is the main method of the plugin. |
| **getAddTaskFormName()** | **String** | Return the name of the form used for creating properties. |
| **getEditTaskFormName()** | **String** | Return the name of the form used for editing properties. |

## Form bean

The plugin must have a bean class associated what is used for setting plugin custom properties. These properties will be stored in a map named **customProperties**.

The **Form bean class must extend FormProperties class**.

You can **get these properties values from object formProperties in the method doJob**. The object **formProperties has a field named customProperties**.

Restrictions:

- The value of the keys into the map, must be the same of the HTML form names.

Sample:

For example if we want to store a **String** property named **path** in this form, the html form name must be <input **name="path"** ...>.

## Html forms

The plugin must have two forms:

- Create task form.
- Edit task form.

They must be located inside **src/main/html** folder.

We need these forms, because each plugin will have it's own custom properties.

The name convention should be: **<name_of_plugin>-form.html** and **<name_of_plugin>-form-edit.html** but could be whatever name.

**This convention is usefull in order to not override predefined forms.**

Sample:

- Plugin class at src/main/java/com/openkm/processor/ExampleProcessor.class
- Create form at src/main/html/ExampleProcessor-form.html
- Edit form at src/main/html/ExampleProcessor-form.html

These forms will be loaded in the Add Task and Edit Task web screens when processor combo is changed.

They should contain neccessary HTML and Javascript code in order to store and load Processor properties.

In edit form, for automatic filling fields you must use the **class="form-control parameter"**.

For example:

**<input type="text" class="form-control parameter" name="userPath">**

Will set the **parameter userPath** and into the input with name equals to "userPath".

## Event log

Application have a log feature what enables to get a complete trace of what is happening while processing a task.

Log or not the events is an implementation decision of the plugin code designer. We encourage log every event, however is a decision of the plugin code designer do it or not.

For this purpose the class used to log events is **ImportStationLogger**.

There are the following methods available:

| Method | Return | Description |
|---|---|---|
| **logOk(long taskExecutionId, String description)** | **void** | Log and event to indicate that the operation was OK |
| **logErrorEvent(long taskExecutionId, String description)** | **void** | Log and event to indicate that there was an error. |
| **logErrorEvent(long taskExecutionId, String header, Exception e)** | **void** | Log and event to indicate that there was an error. This method will log exception stack trace as description.<br>The parameter **header** is used to add a log message to the exception stack trace. |

Example:

```
long taskExecutionId = ...;
// Mark as ok
ImportStationLogger.logOkEvent(taskExecutionId, "description");
// Mark with errors
ImportStationLogger.logErrorEvent(taskExecutionId, "description of error");
// Mark with error and exception detail
ImportStationLogger.logErrorEvent(taskExecutionId, "header", new Exception("exception
```

## Example

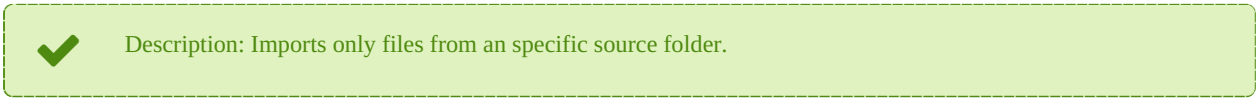
This is a sample **pom.xml** configuration:

You can download source code from here: import-station-example-plugin.zip

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/
 xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/ma
 <modelVersion>4.0.0</modelVersion>
 <groupId>copm</groupId>
 <artifactId>com</artifactId>
 <version>0.0.1-SNAPSHOT</version>
 <name>example</name>
 <properties>
  <java.version>1.8</java.version>
  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  <openkm-sdk4j.version>2.4</openkm-sdk4j.version>
  <jspf.version>1.0.3.1</jspf.version>
  <openkm-sdk4j.version>2.4</openkm-sdk4j.version>
  <openkm-import-station-core.version>1.0</openkm-import-station-core.version>
 </properties>
 <repositories>
  <repository>
   <id>openkm.com</id>
   <name>OpenKM Maven Repository</name>
   <url>http://maven.openkm.com/maven2</url>
  </repository>
 </repositories>
 <dependencies>
  <dependency>                                                    <groupId>com.openkm</gro
   <artifactId>import-station-core</artifactId>
   <version>${openkm-import-station-core.version}</version>
  </dependency>
  <!-- Plugin framework -->
  <dependency>
   <groupId>com.google.code</groupId>
   <artifactId>jspf.core</artifactId>
   <version>${jspf.version}</version>
  </dependency>
  <!-- OpenKM SDK -->
  <dependency>
   <groupId>com.openkm</groupId>
   <artifactId>sdk4j</artifactId>
   <version>${openkm-sdk4j.version}</version>
   <exclusions>
    <exclusion>
     <groupId>org.slf4j</groupId>
     <artifactId>slf4j-log4j12</artifactId>
    </exclusion>
   </exclusions>
  </dependency>
 </dependencies>
 <build>
  <resources>
   <resource>
    <directory>src/main/html</directory>
   </resource>
  </resources>
  <plugins>
   <plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-compiler-plugin</artifactId>
    <version>3.1</version>
    <configuration>
     <source>${java.version}</source>
     <target>${java.version}</target>
     <encoding>UTF-8</encoding>
    </configuration>
   </plugin>
   <plugin>
```

```
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-source-plugin</artifactId>
    <executions>
     <execution>
      <id>attach-sources</id>
      <goals>
       <goal>jar</goal>
      </goals>
     </execution>
    </executions>
   </plugin>
   <plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-surefire-plugin</artifactId>
    <version>2.19.1</version>
   </plugin>
   <plugin>
    <artifactId>maven-assembly-plugin</artifactId>
    <executions>
     <execution>
      <phase>package</phase>
      <goals>
       <goal>single</goal>
      </goals>
     </execution>
    </executions>
    <configuration>
     <descriptorRefs>
      <descriptorRef>jar-with-dependencies</descriptorRef>
     </descriptorRefs>
    </configuration>
   </plugin>
  </plugins>
 </build>
</project>
```

**ExampleProcessor** class:




```
@PluginImplementation
public class ExampleProcessor implements PropertiesProcessor {

    @Override
    public boolean doJob(long executionTaskId, FormProperties formProperties, OKMWebs
        boolean returnValue = true;
        File folder = new File((String) formProperties.getCustomPropertiesMap().get(P
        if (folder.exists() && folder.isDirectory()) {
            for (File file : folder.listFiles()) {
                if (file.isFile() && file.canRead()) {
                    try {
                        uploadDocument(file, formProperties, webServices);
                        ImportStationLogger.logOkEvent(executionTaskId, "File uploade
                    } catch (IOException | UnsupportedMimeTypeException | FileSizeExc
                             | VirusDetectedException | ItemExistsException | PathNotF
                             | RepositoryException | DatabaseException | ExtensionExce
                             | UnknowException | WebserviceException e) {
                        ImportStationLogger.logErrorEvent(executionTaskId, "Error upl
                        returnValue = false;
                    }
                }
            }
```

```
        }
        return returnValue;
    }

    private void uploadDocument(File file, FormProperties formProperties, OKMWebservi
        Document doc = new Document();

        doc.setPath(formProperties.getObjectProperty(ProcessorConstants.DESTINY_PATH)
                + ImportStationConstants.OKM_REPOSITORY_FILE_SEPARATOR + FilenameUtil
                + FilenameUtils.getExtension(file.getName()));

        // Create document
        webServices.createDocument(doc, FileUtils.openInputStream(file));
    }

    @Override
    public String getAddTaskFormName() {
        return "ExampleProcessor-form.html";
    }

    @Override
    public String getDescription() {
        return "This is my custom form";
    }

    @Override
    public String getEditTaskFormName() {
        return "ExampleProcessor-form-edit.html";
    }

    @Override
    public Class<?> getFormBeanClass() {
        return ExampleFormProperties.class;
    }

    @Override
    public String getName() {
        return "ExampleProcessor";
    }

}
```

Bean code. Only stores user local path and OpenKM destiny path:

**ExampleFormProperties** class:

Descripcion:

- Set source folder path.
- Set OpenKM folder target.

```
public class ExampleFormProperties extends FormProperties {

    /**
     * Public constructor.
     *
     * @param parameterMap
     *        map with values
     */
    public ExampleFormProperties(final Map<String, Object> parameterMap) {
```

```
        super(parameterMap);

        // Add custom properties
        addProperty(ProcessorConstants.USER_PATH,
                parameterMap.get(ProcessorConstants.USER_PATH) instanceof String[]
                        ? ((String[]) parameterMap.get(ProcessorConstants.USER_PATH))
                        : parameterMap.get(ProcessorConstants.USER_PATH));
        addProperty(ProcessorConstants.DESTINY_PATH,
                parameterMap.get(ProcessorConstants.DESTINY_PATH) instanceof String[]
                        ? ((String[]) parameterMap.get(ProcessorConstants.DESTINY_PAT
                        : parameterMap.get(ProcessorConstants.DESTINY_PATH));
    }

}
```

**ExampleProcessor-form.html**

Description:

- Form field source folder.
- Form field target folder.

```
<div class="form-group">
 <label class="control-label col-sm-2" for="userPath">User path:</label>
 <div class="col-sm-10">
  <input type="text" class="form-control" name="userPath"
   placeholder="user path" required />
 </div>
</div>
<div class="form-group">
 <label class="control-label col-sm-2" for="destinyPath">Destiny path into OpenKM:</l
 <div class="col-sm-10">
  <input type="text" class="form-control" name="destinyPath" placeholder="/okm:root/i
 </div>
</div>
```

**ExampleProcessor-form-edit.html**

Description:

- Form field source folder.
- Form field target folder.

Note: The fields have a class named "**parameter**" for automatic fields initialization.

```
<div class="form-group">
 <label class="control-label col-sm-2" for="userPath">User path:</label>
 <div class="col-sm-10">
  <input type="text" class="form-control parameter" name="userPath"
   value="${userPath}" required />
 </div>
</div>
<div class="form-group">
 <label class="control-label col-sm-2" for="destinyPath">Destiny path into OpenKM:</l
 <div class="col-sm-10">
```

```
    <input type="text" class="form-control parameter" name="destinyPath" placeholder="/
   </div>
  </div>
```

# Changelog

**v1.9**

- Updated internal SDK version to 2.6, that's why should only be used with OpenKM 6.4.45 and upper.
- Allow configure as a service Linux

**v1.8**

- When a user logout if it has a periodic task the system don't store that info and after every login show that the task was stopped. Solved.
- After a login into the system the application store (if it's empty) that user to run periodic tasks after reboot
- Every time the application start it uses a previous user logged into the system to run periodic tasks

**v1.7**

- Support to install as a Windows Service
- Solved a concurrency bug when there are two or more task executing at the same time

**v1.6**

- Added SetMetadataProcessor and DownloadProcessor
- Updated OpenKM SDK to version 2.5

**v1.5**

- There was a bug when make a double click when running a task
- File extensions in plugins where not working properly because of capital letters
- If there were too much columns in a plugin configuration the edit phase dind't work

**v1.4**

- Solved a bug when a metadata property is required but the field was empty

**v1.3**

- Solved a bug which blocks properties file when error
- Created a plugin to uplaod files from a folder without a properties file
- Solved a bug with cron. The task was execution ok but the log had a wrong date of event.
- Added a condition for files. If they are still writing by other process they will be not imported.
- Added backup possibility to existing plugnis. This will create a copy of every file used in this execution inside <execution_folder>/backup/<task_name>/<date>-<execution_id> folder

**v1.2**

- Added a footer to indicate current version
- Added confirmation windows for critical operations
- Add a button to remove all logs of a task

**v1.1**

- Remove event logs for deleted tasks
- Built in plugins:
    - Added an option to skip columns from data files

# Migration guide

Here you can find the migration process between different releases:

- Migration from 1.8 to 1.9
- Migration from 1.7 to 1.8
- Migration from 1.6 to 1.7
- Migration from 1.5 to 1.6
- Migration from 1.4 to 1.5
- Migration from 1.3 to 1.4
- Migration from 1.2 to 1.3
- Migration from 1.1 to 1.2
- Migration from 1.0 to 1.1

# Migration from 1.8 to 1.9

## Preliminars

Make a backup!!!

## Migration

### Step 1

Replace the following files:

- Delete old import-station.jar and copy import-station.jar to the folder
- Delete old import-station-plugin.jar and copy import-station-plugin.jar to the plugins folder

### Step 2

Modify this property in **import-station.cfg** file:

```
#Import station version
import-station.version=1.9
```

# Migration from 1.7 to 1.8

## Preliminars

Make a backup!!!

## Migration

### Step 1

Replace the following files:

- Delete old import-station.jar and copy import-station.jar to the folder
- Delete old import-station-plugin.jar and copy import-station-plugin.jar to the plugins folder

### Step 2

Add these property to **import-station.cfg** file at the bottom:

```
#Import station version
import-station.version=1.8

#System user
okm.system.user=
okm.system.password=
```

# Migration from 1.6 to 1.7

## Preliminars

Make a backup!!!

## Migration

### Step 1

Replace the following files:

- Delete import-station-1.6.jar and copy import-station.jar to the folder

### Step 2

Add this property to **import-station.cfg** file at the bottom:

```
#Import station version
import-station.version=1.7
```

# Migration from 1.5 to 1.6

## Preliminars

Make a backup!!!

## Migration

### Step 1

Replace the following files:

- Delete import-station-1.5.jar and copy import-station-1.6.jar to the folder
- Delete import-station-plugin-1.5.jar and copy import-station-plugin-1.6.jar to plugins folder

### Step 2

Add this property to **import-station.cfg** file at the bottom:

```
#Import station version
import-station.version=1.6
```

# Migration from 1.4 to 1.5

## Preliminars

Make a backup!!!

## Migration

### Step 1

Replace the following files:

- Delete import-station-1.4.jar and copy import-station-1.5.jar to the folder
- Delete import-station-plugin-1.4.jar and copy import-station-plugin-1.5.jar to plugins folder

### Step 2

Execute queries in **translations.sql** again. There were some keys not recognized in previous versions

### Step 3

Add this property to **import-station.cfg** file at the bottom:

```
#Import station version
import-station.version=1.5
```

# Migration from 1.3 to 1.4

## Preliminars

Make a backup!!!

## Migration

Just replace the following files:

- Delete import-station-1.3.jar and copy import-station-1.4.jar to the folder
- Delete import-station-plugin-1.3.jar and copy import-station-plugin-1.4.jar to plugins folder

# Migration from 1.2 to 1.3

## Preliminars

Make a backup!!!

## Migration

Just replace the following files:

- Delete import-station-1.2.jar and copy import-station-1.3.jar to the folder
- Delete import-station-plugin-1.2.jar and copy import-station-plugin-1.3.jar to plugins folder

# Migration from 1.1 to 1.2

## Preliminars

Make a backup!!!

## Migration

Just replace the following files:

- Delete import-station-1.1.jar and copy import-station-1.2.jar to the folder

# Migration from 1.0 to 1.1

## Preliminars

Make a backup!!!

## Migration

Just replace the following files:

- Delete import-station-1.0.jar and copy import-station-1.1.jar to the folder
- Delete insede plugins folder the file import-station-plugin-1.0.jar and copy import-station-plugin-1.1.jar to plugins folder