

Media Import Half Interface

Functional Design Document

Document History

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| **Version** | **Updated by** | **Date** | **Comments** |
| 1.0 | Jayachandra Gudiwada | 15/05/2015 | DRAFT |
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Document references

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1. Introduction
   1. Document Purpose

This document is the Functional Design Document which provides information of hotfolder addon. It covers:

a. Brief description of the half interface

b. Message format and specification

c. Security Requirement

* 1. Intended Audience

This document is aimed at the client who wants to discover the principle of the hotfolder addon in Hybris.

* 1. Document Scope

This document covers the details about the functionality hot folder addon.

* 1. Document Structure

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| --- | --- | --- |
| Section | | Description |
| 1 | Introduction | Describes the purpose and intended audience of the document and explains its structure. |
| 2 | Brief Description | Overview of the module. |
| 3 | Appendices | Supporting information |

* 1. Additional Resources

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| # | Description | URL | Purpose |
| 1 | Wiki Portal | <https://wiki.hybris.com> | To gather more information |
| 2 | Coconet | <https://coconet2.capgemini.com/sf/go/doc3351685?nav=1> | To refer technical specifications |
| 3 | Data importation | <https://wiki.hybris.com/display/accdoc/Data+Importing+Capability+in+the+Commerce+Accelerator> | Documentation of import process |

* 1. Interface List

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| 1 | Product media data |  | Sample file for Product media data import. |

1. Brief description of the Image resizing extraction half interface
   1. Image resizing extraction half interface description

The hot folder module has been created to permit the importation of CSV files easily. The file and respected images have just to be copy in the products folder to be consumed by the interface. The process converts the file in IMPEX format specific to Hybris and then imports the data in the database. If the file is successfully imported, it is moved in archive folder. Otherwise it is moved in error folder and you have to analyze the file in log folder of interfaceerror folder to understand the error.

This interface helps to resize the uploaded image in the appropriate formats as given below.

* + - 515Wx515H
    - 300Wx300H
    - 96Wx96H
    - 65Wx65H

Functional Rules:

* + - Display: The resized images are displayed in the appropriate formats.
    - Quality: A high resolution is required before uploading the image

Import: Via a hot folder

* 1. Extraction Half interface connectivity overview

N.A

* 1. Extraction Half Interface behavior

The poller refreshes the directory at a given frequencies (default: 1000 ms).

If a match file is present in the directory import process with parameters starts automatically (conversion into IMPEX format, importation, clean).

The interface error module formalizes the errors messages to make them understandable by the user.

* 1. Message format and specification

The data about image resizing interface have to be saved in CSV files. The name of the file MUST follow this mask:

ProductMediaData-xxx.csv, where “xxx” is the version of the file.

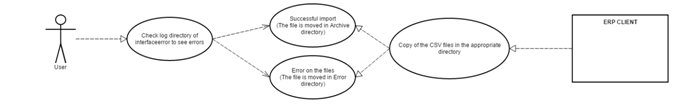
Example: ProductMediaData-001.csv

The file must be placed in the folder: **hybris/data/acceleratorservices/import/master/products**

* 1. Data
* Below is the sample data. It contains product id and image name. This file has to place in hot folder after placing the products and images files. This CSV file links the name of the image to the product’s id

****

* 1. File / Message processing



Description: User import a CSV file then check log directory if the process failed

* 1. Transformations

The CSV file is converted in an impex file. The impex is then used to import data.

* 1. Exception Management and Logging
     1. Exception Management

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| --- | --- |
| **Exception** | **Message** |
| IOException | Exception caught when :   * Failed or interrupted I/O operations |
| FileNotFoundException | Exception caught when :   * The file is used by another process |
| MySQLSyntaxErrorException | Exception caught when :   * There are errors in the mysql request |

* + 1. Logging / Audit
* A log file is created when an error occurred in one jobs, when the JAVA code generates an exception, when a warning is send by a component and when a component die, or when you try to create a null file.
* The location of the log folder is defined in the Context file
* The name of the log is the start Time of the job
  1. Security requirements
* User must have a SFTP access to the server in order to drag and drop the CSV file into the hot folder.