



## Talend User Component tJasperServerFileGet



<http://www.cimt-ag.de>

### Purpose

The JasperServer is great tool to manage reports. In some cases companies want using JasperServer as the one portal for information.

This component addresses the scenario in which companies want to use JasperServer as the single point of truth. All reports have to store their results in this server.

To avoid having a huge amount of not needed files in your JasperServer (e.g. out dated but not obsolete files) you can archive them in a cheaper network file system instead of keep them in the performance critical database of the JasperServer.

This component downloads content resources. Usually this component works in conjunction with the tJasperServerFileList component.

### Talend-Integration

This component can be found in the palette under Business Intelligence->Jasper

This component accepts input iterations or flows and several return values.

### Parameters

Parameters to connect to JasperServer (setup client)

Property	Content
Repository Service URL	URL to the repository web service of JasperServer. <b>Required!</b> For the Open Source version it is usually: <a href="http://server.comany.com:8080/jasperserver/services/repository">http://server.comany.com:8080/jasperserver/services/repository</a> The professional version typically use a slightly different URL: <a href="http://server.company.com:8080/jasperserver-pro/services/repository">http://server.company.com:8080/jasperserver-pro/services/repository</a>
User	User of the account within the JasperServer. <b>Required!</b>
Password	Users password. <b>Required!</b>

Parameters to setup download a file

Property	Content
File URI	URI of the file to download to the file system. <b>Required!</b>
Destination Directory	Directory of the local file system, where the component starts filing the content resources. <b>Required!</b>
Rename	If checked, the downloaded file can get a different name as in JasperServer.
Destination File Name	If Rename is checked, this name will be used instead of resource-Id as file name. This name can also contain a relative path. This path will be appended to the Destination Directory.
Replace existing file	If file already exists in file system it will be overwritten, otherwise if not checked, the component fails with an appropriate error message.
Create the directory if it does not exist	Ensures the target directory (the actual directory also if Destination File Name appends sub dirs to the Destination Directory) exists.

Remove Source File	If successfully downloaded, the file can be deleted from the JasperServer
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## Return values

Return value	Content
ERROR_MESSAGE	Last error message
FILE_PATH	Full path to the downloaded file
FILE_NAME	Name of the downloaded file
FILE_DOWNLOAD_LINK	Link in the JasperServer to download the current file for users of the Jasper Web frontends.
RESOURCE_ID	Resource-ID (typically the name) of the current file
RELATIVE_FILE_URI	Like file URI, but relative to the FOLDER_URI. This relative URI helps to keep the original folder structure of the files in JasperServer (e.g. to restore this structure in the file system).
FILE_RESOURCE_LABEL	If users rename the file in JasperServer they actually only change the label.

## Szenario 1

Files in the JasperServer need to be downloaded automatically (e.g. to archive them and lighten the database). In conjunction with the tJasperServerFileList component this goal can be achieved.

The screenshot shows the SAP Studio IDE interface. At the top, a job named 'Job test\_tJasperServerFile\_comps 0.1' is open. In the Designer view, two components are connected: 'tJasperServerFileList\_1' and 'tJasperServerFileGet\_1' via a flow labeled 'row1 (Main)'. The 'tJasperServerFileGet\_1' component is selected, and its configuration is shown in the Properties view.

**tJasperServerFileGet\_1 Basic settings:**

- Repository Service URL: `"http://localhost:8080/jasperserver/services/repository"`
- User: `"jasperadmin"` Password: `"jasperadmin"`
- File URI: `((String)globalMap.get("tJasperServerFileList_1_FILE_URI"))`
- Destination Directory: `"/home/jlolling/test_get2/"`
- ☒ Rename Destination File Name: `((String)globalMap.get("tJasperServerFileList_1_RELATIVE_FILE_URI"))`
- ☒ Replace Existing File ☒ Create the directory if it doesn't exist
- ☐ Remove Source File

This component provides input iteration as well as an input flow. Actually there is no difference between a iteration and a flow from the point of view of the source component. Using a flow has the great advantage for performance because the initialization of the component receiving the flow will be done once before the flow starts. Unlike if an iteration is used.

Using an iteration has the disadvantage, that in every iteration the component will be newly initialized – this can have a huge negative impact to the performance!