

Example

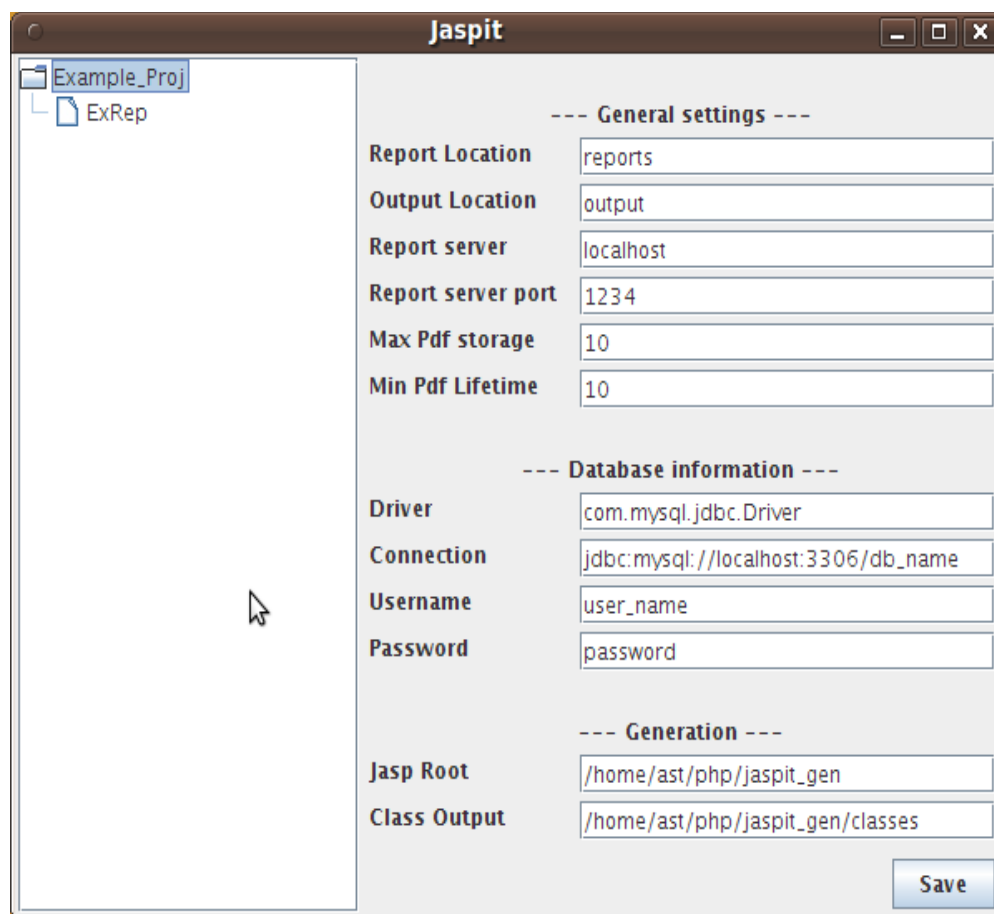
This description assumes that all required components for the Jasper-Integration are installed on your system. If that is not the case, please follow the instructions in the file “\$JASP_DIR/README”.

iReport

This is the designer for Jasper-Reports which can be launched by “\$JASP_DIR/iReport-3.0.0/bin/startup.sh”. A working report template is located in “\$JASP_DIR/sample/ExampleReport.jrxml”. Because of that we do not create a new one but feel free to view it in the iReport designer.

Jaspit

You can run Jaspit by calling the script “\$JASP_DIR/jaspit/jaspit.sh”. This is the tool where you collect all reports and where you store the configuration of the system. The major task of Jaspit is to generate PHP-Classes for every report.



The screenshot shows the Jaspit configuration window. On the left is a file tree with 'Example_Proj' and 'ExRep'. The main area is divided into three sections: 'General settings', 'Database information', and 'Generation'. Each section contains several configuration fields with text input boxes. A 'Save' button is located at the bottom right.

Section	Field	Value
--- General settings ---	Report Location	reports
	Output Location	output
	Report server	localhost
	Report server port	1234
	Max Pdf storage	10
	Min Pdf Lifetime	10
--- Database information ---	Driver	com.mysql.jdbc.Driver
	Connection	jdbc:mysql://localhost:3306/db_name
	Username	user_name
	Password	password
--- Generation ---	Jasp Root	/home/ast/php/jaspit_gen
	Class Output	/home/ast/php/jaspit_gen/classes

Save

Report Location:	This is the folder in which the report-templates will be stored after generation and on the webserver (relative to “Jasp root”).
Output Location:	If you decide to store a generated on the webserver, it will be copied to this folder (relative to “Jasp root”).
Report server:	Hostname of the backend server.
Report server port:	Port on which the backend server is listening.
Max pdf storage:	This number defines how many reports can be stored on the webserver. As soon as this number exceeds, a old report will be deleted.
Min pdf lifetime:	Time in minutes, how long a generated report can not be deleted. If the maximum of storable reports is exceeded and no report can be deleted, storage is not possible.
Driver:	Jdbs driver class for the backend server.
Connection:	Connection string for backend server.
Username:	Username to connect to the database.
Password:	Password for the database.
Jasp root:	Folder in the filesystem where Jaspit generates informations required by the webserver.
Class output:	Folder in the filesystem where Jaspit generates the PHP classes.

To create a new project, select “New Project” in the context menu. Add a new report by choosing “New Report”. Select the report template and a name. For this example name it “ExRep”. Then select “Generate” from the context menu.

Web-Server

Jaspit just generated all required files to the selected folders. If Jaspit is on the same Host as the webserver, you could generate these files directly to the webserver's directory. I recommend to use two steps. Generate to any folder in the filesystem and call a deploy script to duplicate the files. Such a script could look like this:

```
#!/bin/bash
WWW_ROOT=/var/www
JASPIT_GEN=/home/ast/jaspit_gen
rm -rf "$WWW_ROOT/classes"
rm -rf "$WWW_ROOT/output"
rm -rf "$WWW_ROOT/reports"
rm -f "$WWW_ROOT/jasper.conf"
cp -R "$JASPIT_GEN" "$WWW_ROOT"
chmod 0777 "$WWW_ROOT/output"
```

It's important that the webserver is able to write to “\$WWW_ROOT/output”.

Copy also the example scripts in “\$JASP_DIR/sample” to the webserver:

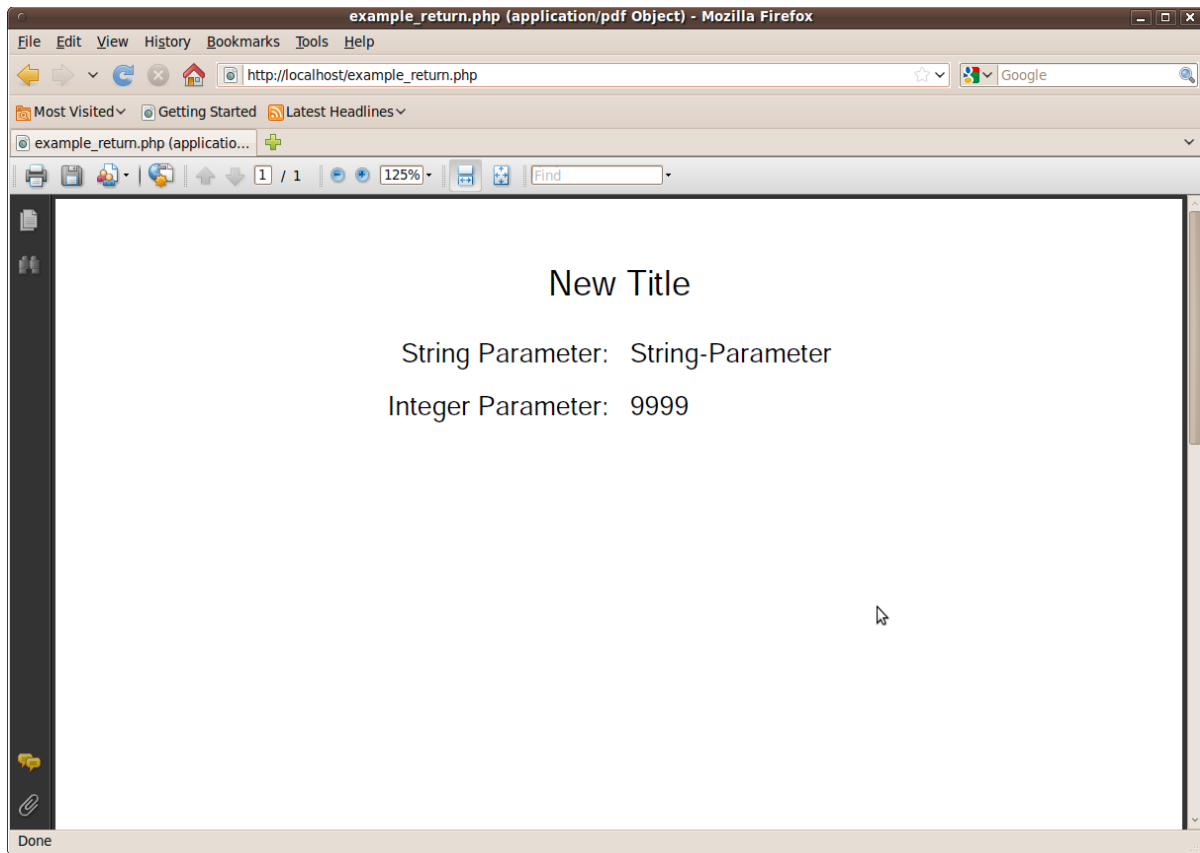
```
cp "$JASP_DIR/sample/example_" "$WWW_ROOT"
```

Report starten

To generate the example report, just type the following URL:

http://localhost/example_return.php

You should see the following output.



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