PAMS Module
WebReporting
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www.ibsoftware.ch

PAMS Module: WebReporting

ABOUT WEBREPORTING

WebReporting is an additional module of the PAMS framework and it requires a valid PAMS installation.

This module consists in two distinct sub modules. The first runs on the PAMS server and generates, uploads and manages reports and data files located on a webserver connected to the internet. The second is the internet server itself and manages the remote users, the download procedures and the server defined feeds.

The applied technology and the clean defined layer interface between the two submodules allow the installation of the internet server on every ISP, or on a private server under Windows Server 2003+ and of course on Linux based server.

The only requirement is a running standard WAMP or LAMP server (Apache 2.2, PHP 5 and MySQL database) with FTP or FTPS, obviously connected to Internet.

TECHNICAL OVERVIEW

The internal module generates at programmed times for selected accounting units (funds, portfolios,...) the requested reports in pdf format and then uploads them to the ftp server.

The upload process also assures the clean up of the user directory and sets the appropriate download permissions.
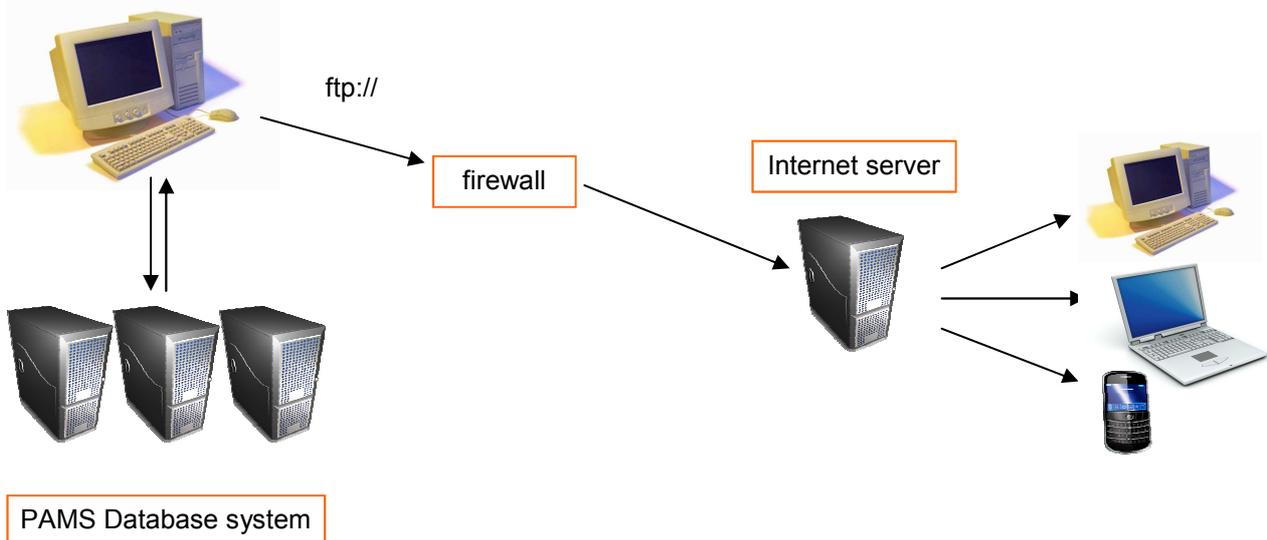
The webserver allows secured logging, per-date browsing, viewing and downloading of reports and files uploaded to the server.

A demo can be found on http://www.ibsoftware.ch/webreporting.

Tip	The default website comes with php page templates and css style sheets. It is also possible to embed the Webreporting module into an already existing website.

The webserver is realized with open source CMS software, so you can have personalized your site by any webdesigner and maintain the look and feel of your company website.

INSTALLATION GUIDELINES

First install the WebServer module, then the PAMS side sub-module.

In this guide we assume that you already have a running WAMP or LAMP server connected to the internet, whose URL is

http://www.yourservername.com .

Many ISPs dispose of an integrated shell to manage the MySQL database (phpMyAdmin) and the ftp access to manage files to the server.

Tip	If you need to install a WAMP server, please refer to http://www.wampserver.com.

Extraction Module

ftp://

firewall

Internet server

PAMS Database system

WEB SERVER INSTALLATION

The kit contains two files:

webreporting.zip [contains site]
webreporting_db.zip [zipped sql file]

Please note that Linux servers are case sensitive, so always use lowercase.

Unzip server files

Log into the webserver with a valid ftp account and unzip all the files contained in the *webserver.zip* file under the */htdocs or /www server* directory. (depending on the server defaults)

Create a directory named /*webreporting* on the server (at top level). If you want to use another username from PAMS, define a new ftp user and grant it ‚write access' (777 on Linux) to this directory and all

> **Tip**
> For more information on how to manage ftp servers please consult your server or ISP documentation.

The ftp server directory will be:

```
/htdocs   [or /www]
        /includes
        /modules
        /sites
                /default
        ....
/webreporting
        /user1
        /user2
        ...
```

Create the database

With *phpMyAdmin* or through the given shell, create a new MySQL database named *webreporting*. Depending on the server settings, you have to use a fixed username and can't define one of your choice.

Import in the above created database all the content of the *webreporting_db.zip* file.

With a text editor open the file
        root/sites/default/settings.php
and locate the text

$db_url = 'mysqli://DB_USER:DB_PWD@localhost/webreporting';

Change the DB_USER and DB_PWD accordingly.

Note: your server may use the *mysqi:* or *myqli: protocol*, so it is possible that you also have to accordingly change the protocol name.

Save the file and set it as **READONLY.**

> **Tip**
> For more information on *phpMyAdmin* please refer to http://www.phpmyadmin.net

Open a browser and go to

http://www.yourservername.com
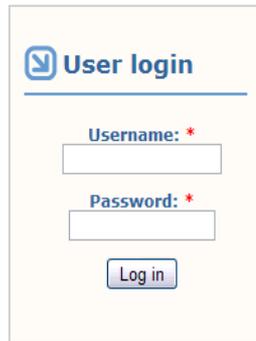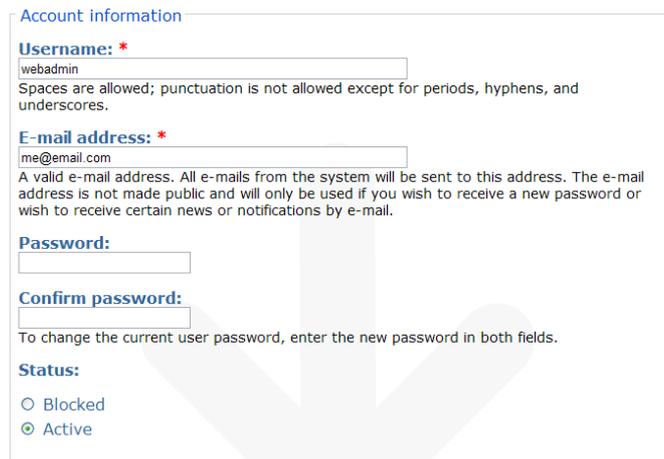
You will see the default main screen.

Login with:

Username: *webadmin*
Password: *TempAdminPw_1*

Please note that this is NOT the ftp username, but the username of the administrator of the website.

Final steps

Select **My account** and then **Edit**.

Define a new valid e-mail address (for password changes and user notifications), a new password of your choice and Save your new settings.

If you want to change the look and feel of your site, your main css style sheet is
        /themes/webreporting/style.css
and the page template is
        /themes/webreporting/page.tpl.php

If you need to locate your webserver in a sub directory of an already existing site, please change all above definition accordingly to your site structure.

Write down your ftp username and pwd, your database username and pwd and your administrator pwd. The administrator username is webadmin.

ftp username/pwd: _____ _____

Admin username/pwd: **webadmin /**   _____

ftp upload folder: _____ _____

*MySQL username/pwd:*_____ _____

PAMS MODULE ACTIVATION

Open a PAMS session and go to the licence manager. Request a licence for the Webreporting Module and send the request to the IBS licence desk.

Once the new licence is received, load it as usual and open

File>Workstation Settings

You will see a new TAB, named *Webreporting*, where you have to define:

FTP Username	a valid ftp username for your webserver (the ftp user you previously used to unzip and copy files on the server).
FTP Password	the password for the above ftp username.
FTP URL	The URL of your ftp main directory (without ftp://), i.e. *yourservername.com/webreporting*
Local Temp. Folder	A local folder. If you want to manage your website from more than one workstation, define a shared folder on the PAMS server.
Hold. Period	defines how many days files remains on the server before they are automatically cleaned up.
NAV/Val. issued	specify the value-date of the issued reports (1 for 1 day before)
Schedule	Daily scheduled time for report generation in the format HH:mm (this setting generates an AT command, so please be sure to be logged in with a username with sufficient privileges).

If you want to change this setting, you can use the AT utility or the batch utility of your workstation / server.

If you schedule the report generation at 01:00, and the NAV/Valuation issue date = 1, your reports are computed as of yesterday and displayed on the webserver under the yesterday's date.

When you save the settings, PAMS performs a check and tries to communicate with the ftp server. If the server is not reachable or some settings are incorrect, PAMS will show a warning message.

> **Tip**
> This sub module is already present in the core PAMS and needs only to be activated with a licence code.

ENABLE WEBREPORTING FOR AN ACCOUNT

Every PAMS accounting unit can be enabled or not.

If an accounting unit is enabled, PAMS generates its data folder on the server. At each scheduled batch job, PAMS calculates and generates the pdf reports defined in the valuation settings for this accounting-unit.

To enable *Webreporting* for a given PAMS accounting-unit (Funds, Portfolio), select the desired account (current active account) and open

Clients & Relationships
    Current PF
        Portfolio Settings

Then enable Webreporting and save the settings.

You can also browse all your accounting units:

Clients & Relationships
    Global
        Relations
            Modify Existing Portfolios

You can set different report sets for different accounts. If you want to define a set of reports, select an account and open the valuation form.

Valuations
    Current PF
        Valuations & performances

Select the **Report Selection & Preview** TAB and select the reports you want to generate.

The server folder will have the name of the internal PAMS reference of the account.

If you want to make a test, select (from the menu)

WebReporting
    Current PF
        Update Webreporting

Supposing that the internal PAMS code of the account is *400008,* PAMS will then generate the set of reports and upload the result via ftp: to the server under the default ftp: folder of the account, i.e. in our example */webreporting/400008.*

If you want to take a look in the uploaded files, open

WebReporting
    Current PF
        Manage Files

Selecting the account and the actual date, you will see the list of all reports uploaded to the webserver.

The management of the webserver's files is assured directly from the integrated ftp client of PAMS.

With this form you can decide to keep files older than the defined default holding period, or to clean up files before this date.

When you rename or delete a file within this form, PAMS will update automatically the webserver.

If desired you can also add any local file to a client area, i.e. an hardcopy, an MS-Excel file or just any file of your choice.

A default folder named *Others* (with no date) will be created in the every client area on the webserver and diplayed to the remote user.

This integrated ftp client assures the full management of the site directly from within PAMS and can be used from any webreporting-enabled workstation.

Please note that the ftp client is enabled at workstation level and not at user level.

In a client-server PAMS environment and with simple common authorization policy, it is possible that an unauthorized user gains access to the ftp area of the server without the necessary permissions.

In a pure server installation of PAMS the given username/password authorization for a remote user avoids this problem.

Tip For more info on the different PAMS configurations, please refer to the 'Core PAMS' Reference Card.

DEFINE A REMOTE USER

The remote user management is done on the server.

Open a browser and log into your webserver with the administrator account.

Then select

Administer
   User Management
      Users
         Add user

Define the user with the desired username and password and its valid e-mail address. These settings can be changed later by the user itself.

Under block configuration tab, select *download*, and save the user record.

▼ Block configuration
☑ download

To create a content type for this user, open

Create Content > Directory Listing

Fill the form with the following informations:

Title   a text that is displayed at the top of the user form.

System file path   to the directory of the user, relative from the core system path, i.e. In our example ..\..\webreporting\400008

Where for example 4*00008* is the internal PAMS reference of the accounting-unit and *webreporting* the ftp main directory.

| view | edit | permissions |

Folder Description

Title: *
Download Area for Account 400008

The system file path to the directory: *
..\..\webreporting\400008
This can be an absolute path or should be relative to the Drupal root directory.

Description:

This will overide metainformations from .bbs or .ion files.

▸ **Input format**

Folder presentation

FileSystem encoding: *
UTF-8
Set here your file system encoding (UTF-8, ISO-8859-15, etc.).

☐ Hide file extensions

Visible columns:

☑ Icon
☑ Display name
☑ Size
☑ Creation Time
☐ Modification Time
☐ Mime type
☑ Description

Default sort:
Display name

Default sort order:
Descendant

Default view:
List View

Authoring information

Authored by:
400008
Leave blank for *Anonymous*.

Authored on:
2010-03-16 14:32:21 +0100
Format: *2010-03-16 14:32:21 +0100*. Leave blank to use the time of form submission.

Leave the remaining fields with their default values and save your settings.

Under the Permission Tab, select **authenticated user**.

Role access control settings

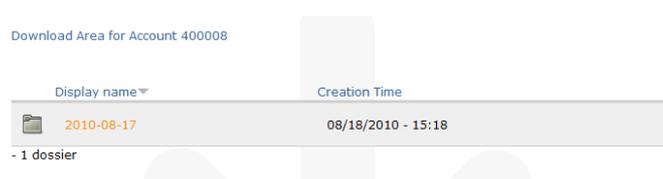| **View:**	**Edit:**	**Delete:**
☐ anonymous user	☐ anonymous user	☐ anonymous user
☑ authenticated user	☐ authenticated user	☐ authenticated user

Now you have a link between the remote user, its default directory under the ftp site where PAMS uploads its reports and data files.

Every client area are now segregated and only authenticated users can display and download files from its defined client area.

The link between a remote user and its area is determined by the field ‚System file path to the directory' and not by the username itself.

USER LOGIN

When a remote user logs into the webserver, he/she will be redirected automatically in his/hers repository. The first page shows all the dates with uploads, in our case (for newly defined accounts) only one date.

Download Area for Account 400008

Display name▾	Creation Time
📁 2010-08-17	08/18/2010 - 15:18

- 1 dossier

When clicking on the date, the list of all files will appear.

Users can view and/or download files.

Download Area for Account 400008

	Display name▾	Size	Creation Time	Description
🡅	Go up	0	03/16/2010 - 16:44	
📄	000000400008__NAV1013B.pdf	28.91 KB	08/18/2010 - 15:18	Industry Segments and Countries
📄	000000400008__NAV1013A.pdf	45.96 KB	08/18/2010 - 15:18	CASH Statement / Ccy / Asset Classes
📄	000000400008__NAV0506.pdf	33.57 KB	08/18/2010 - 15:18	Forwards, Futures and other positions
📄	000000400008__NAV007L.pdf	60.54 KB	08/18/2010 - 15:18	Statemet of Assets: Long Positions
📄	000000400008__NAV007D.pdf	65 KB	08/18/2010 - 15:18	Statement of Assets: Domestic vs Foreign Assets
📄	000000400008__NAV001.pdf	53.84 KB	08/18/2010 - 15:18	Net Asset Value

- 1 dossier - 6 files - 575.64 KB

The interface is very intuitive. For example on Microsoft Internet Explorer, to open a file, click on the filename.

If you want directly download the file, right-click the filename and choose **Save target As ...** Option.

For more information on PAMS, visit:

http://www.ibsoftware.ch

where you can find report examples and a well featured online configurator, case studies and typical projects realized from the company that created PAMS.

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Its main product is PAMS and its customers are in Switzerland, Europe, Americas and Far East, ranging from small family offices, institutional banks and Fund Administrators.