

Joomla 1.6 Integration

Contents

- 1 Introduction
- 2 Prerequisites
- 3 Baseline
- 4 Architecture
- 5 Swivel Configuration
 - ◆ 5.1 Configuring the RADIUS server
 - ◆ 5.2 Enabling Session creation with username
 - ◆ 5.3 Setting up Swivel Dual Channel Transports
- 6 Joomla RADIUS Configuration
 - ◆ 6.1 Joomla RADIUS Authentication Plug-in Installation
 - ◆ 6.2 Joomla RADIUS Authentication Plug-in Configuration
 - ◆ 6.3 Joomla RADIUS Authentication Plug-in Testing
- 7 Joomla Login Page Customisation
 - ◆ 7.1 Creating a PINsafe login module
 - ◆ 7.2 Adding the Custom Script
 - ◆ 7.3 Configuring the PINsafe login module
 - ◆ 7.4 Menu Assignment
- 8 Testing
- 9 Additional Configuration Options
- 10 Troubleshooting
- 11 Known Issues and Limitations
- 12 Additional Information

Introduction

This document describes steps to configure Joomla with PINsafe as the authentication server.

To use the Single Channel Image such as the [TURing](#) Image, the PINsafe server must be made accessible. The client requests the images from the PINsafe server, and is usually configured using Network Address Translation, often with a proxy server. The Swivel virtual or hardware appliance is configured with a proxy port to allow an additional layer of protection.

Prerequisites

Joomla 1.6

PINsafe 3.x

[Joomla RADIUS Authentication plugin available here](#) Registration required.

When using the TURing, Security String Index or Message Confirmed, the required images are requested by the client from the PINsafe server. This is usually carried out through a NAT to the PINsafe server.

The PINsafe Joomla integration script can be found here: [PINsafe Joomla Integration Script](#)

Baseline

Joomla 1.6

PINsafe 3.8

Architecture

Joomla makes authentication requests against the PINsafe server by RADIUS.

Swivel Configuration

Configuring the RADIUS server

On the Swivel Administration console configure the RADIUS Server and NAS, see [RADIUS Configuration](#)

Enabling Session creation with username

To allow the TURing image, PINpad and other single channel images, under Server/Single Channel set [Allow session request by username](#) to Yes.

Setting up Swivel Dual Channel Transports

See [Transport Configuration](#)

Joomla RADIUS Configuration

A RADIUS module is used for Joomla authentication to authenticate to the PINsafe RADIUS server.

Joomla RADIUS Authentication Plug-in Installation

To install, on the Joomla Administration console select Extensions, then Extension Manager, there are 3 options for installation, select the desired installation method to upload the plugin:

- Upload Package File
- Install from Directory
- Install from URL

Joomla RADIUS Authentication Plug-in Configuration

When installation is complete on the Joomla Administration console select Extensions, then Plug-in Manager, the RADIUS plug-in should be listed.

<input type="checkbox"/>	Plug-in Name
<input type="checkbox"/>	Authentication - Joomla
<input type="checkbox"/>	Authentication - Radius
<input type="checkbox"/>	Authentication - GMail
<input type="checkbox"/>	Authentication - LDAP

Click on the plugin, and set the following information:

Enabled Enables the plug-in

Access Which level of access the plugin-is applied to all

Ordering In which order authentication is to be made

Details

Authentication - Radius

Enabled

Enabled

Access

Public

Ordering

0. Authentication - Radius

Plug-in Type

authentication

Plug-in File

radius

ID

701

Description

Handles Radius user authentication

RADIUS Server The PINsafe server hostname or IP address

RADIUS Port The PINsafe server RADIUS port, usually 1812

Shared Secret The shared secret also entered onto the PINsafe server

other settings can be left as default depending on the required configuration

▼ Basic Options

Radius Server

192.168.22.1

Radius Port

1812

Shared Secret

●●●●●●

Autocreate E-mail

Email = Username:

Enable ▼

Timeout in sec.

0

Timeout in usec.

0

When complete save the settings, ensuring that the plugin is enabled.

Joomla RADIUS Authentication Plug-in Testing

Test the RADIUS module with a username and password or OTC. A RADIUS request should be seen on the PINsafe server. A valid OTC can be derived from the PINsafe Administration console for a user by selecting View Strings.

Joomla Login Page Customisation


The Joomla login page can be modified in a number of ways, such as:

- Generation of Single Channel Images, such as TURing
- SMS Message request buttons
- Security String Index to show which security string can be used

Creating a PINsafe login module

A PINsafe login module can be downloaded and installed using [Joomla 1.6 PINsafe Module](#), or follow the instructions below to create a custom login module

In order to configure the PINsafe script, the WYSIWYG editor needs to be temporarily disabled. To disable/enable the editor, on the Joomla Administration console select Site, then Global Configuration, and set the Default Editor to Editor-None. If an error is received then the Administration Console permissions need to be correctly set. See [Cannot save Global Configuration changes](#)



Global Configuration

Site | System | Server | Permissions

Site Settings

Site Name *

Site Offline ☐ Yes ☒ No

Offline Message

Default Editor *

Default Access Level *

Default List Limit

Default Feed Limit

Feed email

To create the new login module, on the Joomla Administration console select Extensions, then Module Manager. Click on New, and select a Module type of Custom HTML.

Adding the Custom Script

Under Custom output use enter the web page modification and script. The following lines need to be modified to reflect the environment

The following can be edited in the script to hide buttons that are not required:

TURing image button

```
<input type="button" value="TURing" onclick="showTuring();">
```

Show Security String Index button (To tell user which security string to use)

```
<input type="button" value="Index" onclick="showIndex();">
```

Message button to request a new security string to be sent to the user

```
<input type="button" value="Message" onclick="showMessage();">
```

The URL of the PINsafe server will also need to be modified to reflect the correct port and context.

For a virtual or hardware appliance installation:

```
pinsafeUrl = "https://turing.swivelsecure.com:8443/proxy/";
```

For a software only install see [Software Only Installation](#)

Configuring the PINsafe login module

Set the following details:

Title: PINsafe login. Descriptive Module Name

Show Title: Hide. Hides the Title in the login screen

Position: Position-7. This will vary according to the website design, and should be positioned close to the associated login module.

Status: published.

Access: Public. Select Access level appropriate

Ordering: 7. PINsafe Login. Where the PINsafe modification will appear in the login (this will depend on each site configuration)

Other settings can be left as default

Under Advanced Options, set Caching to None

Details

Title *

PINsafe Login

Show Title

☐ Show

☒ Hide

Position *

position-7

Select position

Status

Published

Access

Public

Ordering

7. PINsafe Login

Start Publishing

0000-00-00 00:00:00

23

Finish Publishing

0000-00-00 00:00:00

23

Language

All

Note

ID

79

Custom HTML

Site

Module Description

This Module allows you to create your own HTML Module using a WYSIWYG editor.

Basic Options

Advanced Options

Alternative Layout

Module Class Suffix

Caching

Cache Time

Menu Assignment

The module will need to be assigned, this will vary according to the site and page configuration. On the module, select Menu Assignment, then select the pages that are required. The below example uses the Module Assignment of 'Use only the pages selected' with Man Menu, Home selected.

Menu Assignment

Module Assignment

Only on the pages selected

Menu Selection:

Toggle Selection

About Joomla

Australian Parks

Fruit Shop

Main Menu

Top

User Menu

☒ - Home

☐ - Site Map

☐ - - Articles

☐ - - Weblinks

☐ - - Contacts

☐ - Login

☐ - Sample Sites

☐ - - Parks

☐ - - Shop

☐ - Site Administrator

☐ - Example Pages

Testing

Connect to the Joomla website and verify that the correct images are shown

Login with TURING, String Index and Message Buttons

OTC Image

Login Form

User Name

Password

Remember Me

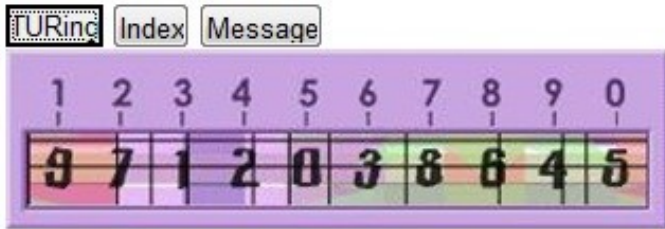
☐

> Log in

[Forgot your password?](#)

[Forgot your username?](#)

[Create an account](#)



Login Form

User Name

Password

Remember Me ☐

[>Log in](#)

Security String Index for SMS Message login

01



Login Form

User Name

Password

Remember Me ☐

[>Log in](#)

SMS Message request Confirmed



Login Form

User Name	<input type="text" value="graham"/>
Password	<input type="password"/>
Remember Me	<input type="checkbox"/>
<input type="button" value="Log in"/>	

Additional Configuration Options

Troubleshooting

Check the PINsafe logs for Turing images and RADIUS requests.

Known Issues and Limitations

None

Additional Information

For assistance in the PINsafe installation and configuration please firstly contact your reseller and then email Swivel Secure support at support@swivelsecure.com