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1 Joomla 1.6 Integration

2 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.

3 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](#)

4 Baseline

Joomla 1.6

PINsafe 3.8

5 Architecture

Joomla makes authentication requests against the PINsafe server by RADIUS.

6 Swivel Configuration

6.1 Configuring the RADIUS server

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

6.2 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.

6.3 Setting up Swivel Dual Channel Transports

See [Transport Configuration](#)

7 Joomla RADIUS Configuration

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

7.1 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

7.2 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

Access

Ordering

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	<input type="text" value="192.168.22.1"/>
Radius Port	<input type="text" value="1812"/>
Shared Secret	<input type="password" value="••••••"/>
Autocreate E-mail	<input type="text"/>
Email = Username:	<input type="text" value="Enable"/> ▼
Timeout in sec.	<input type="text" value="0"/>
Timeout in usec.	<input type="text" value="0"/>

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

7.3 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.

8 Joomla Login Page Customisation

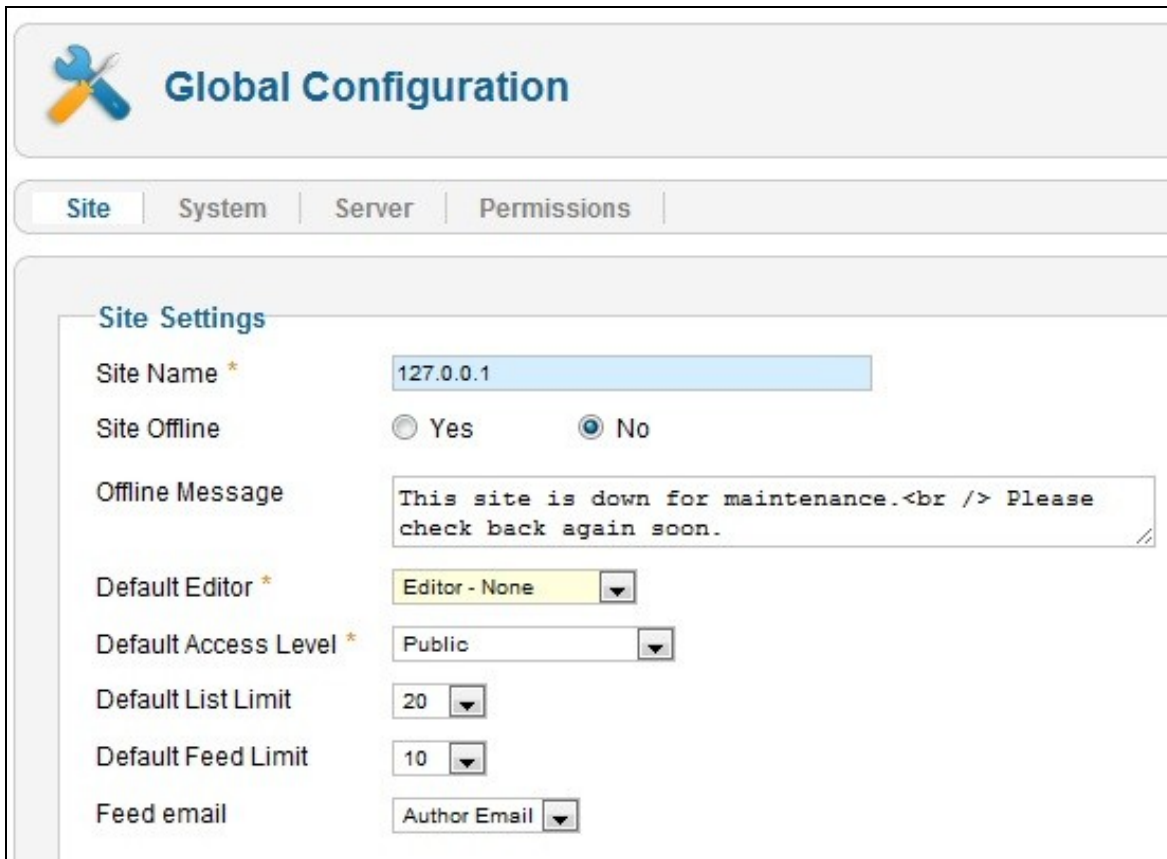
The Joomla login page can be modified in a number of ways, such as:

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

8.1 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](#)



The screenshot shows the Joomla Administration console's Global Configuration page, specifically the Site Settings tab. The page has a header with a wrench and screwdriver icon and the text "Global Configuration". Below the header are four tabs: "Site", "System", "Server", and "Permissions", with "Site" being the active tab. The main content area is titled "Site Settings" and contains several configuration options:

- Site Name ***: A text input field containing "127.0.0.1".
- Site Offline**: Radio buttons for "Yes" and "No", with "No" selected.
- Offline Message**: A text area containing the message "This site is down for maintenance.
 Please check back again soon."
- Default Editor ***: A dropdown menu set to "Editor - None".
- Default Access Level ***: A dropdown menu set to "Public".
- Default List Limit**: A dropdown menu set to "20".
- Default Feed Limit**: A dropdown menu set to "10".
- Feed email**: A dropdown menu set to "Author 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.

8.2 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](#)

8.3 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

The screenshot shows a configuration interface for the PINsafe Login module. The 'Details' section is expanded, showing the following settings:

- Title ***: PINsafe Login
- Show Title**: Show Hide
- Position ***: position-7 (with a 'Select position' button)
- Status**: Published
- Access**: Public
- Ordering**: 7. PINsafe Login
- Start Publishing**: 0000-00-00 00:00:00 (with a '23' icon)
- Finish Publishing**: 0000-00-00 00:00:00 (with a '23' icon)
- Language**: All
- Note**: (empty text box)
- ID**: 79 Custom HTML
- Site**: (empty text box)
- Module Description**: This Module allows you to create your own HTML Module using a WYSIWYG editor.

On the right side, the 'Advanced Options' section is partially visible, showing:

- Basic Options
- Advanced Options
- Alternative Layout
- Module Class Suffix
- Caching
- Cache Time

8.4 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

9 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

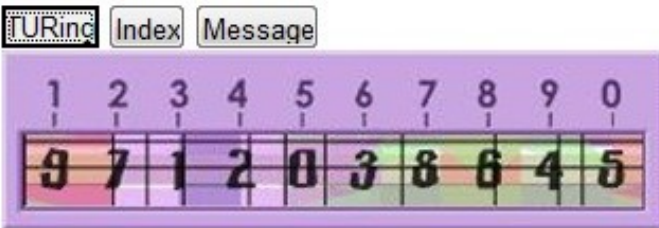
> Log in

[Forgot your password?](#)

[Forgot your username?](#)

[Create an account](#)

TURing Image Login



Login Form

User Name

Password

Remember Me

> Log in

Security String Index for SMS Message login

01

TURing Index Message

Login Form

User Name

Password

Remember Me

>Log in

SMS Message request Confirmed

TURing Index Message



Login Form

User Name

Password

Remember Me

>Log in

10 Additional Configuration Options

11 Troubleshooting

Check the PINsafe logs for Turing images and RADIUS requests.

12 Known Issues and Limitations

None

13 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

14 Joomla 1.6 PINsafe Module

14.1 Introduction

This document describes how to upload and publish the PINsafe Joomla Module. For further information see [Joomla 1.6 Integration](#)

14.2 Prerequisites

Joomla 1.6

PINsafe 3.x

[Joomla 1.6 Integration](#)

[PINsafe Module](#)

14.3 Modifying the Module

Edit the mod_pinsafe.php file

Look for and change the line containing the PINsafe server IP address, this will need to be an address accessible to the user wishing to authenticate and may be a NAT and PAT.

```
pinsafeUrl = "http://192.168.22.1:8080/pinsafe/";
```

for a Swivel virtual or hardware appliance use:

```
pinsafeUrl = "http://PINsafe_IP_or_Hostname:8443/proxy/";
```

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

Additional modifications can be made to prevent buttons that are not required from being displayed

Remove each line that is not required:

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

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

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

Save the file when complete

14.3.1 Add Modified files to the Archive

Add the mod_pinsafe.php to the mod_pinsafe.zip archive file

14.4 Uploading the Module

On the Joomla Administration Console, select Extensions then Extension Manager. select the mod_pinsafe.zip archive file, then click upload

Administration

Site | Users | Menus | Content | Components | **Extensions** | Help

Extension Manager: Install

Extension Manager
Module Manager
Plug-in Manager
Template Manager
Language Manager

Install | Update | Manage | Discover | W

Upload Package File

Package File

Install from Directory

Install Directory

Install from URL

Install URL

A message should indicate success: "Installing module was successful."

14.5 Configuring the Module

Follow the instructions for configuring a custom module [Joomla_1.6_Integration#Configuring_the_PINsafe_login_module](#). The cache option will not be present.