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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.

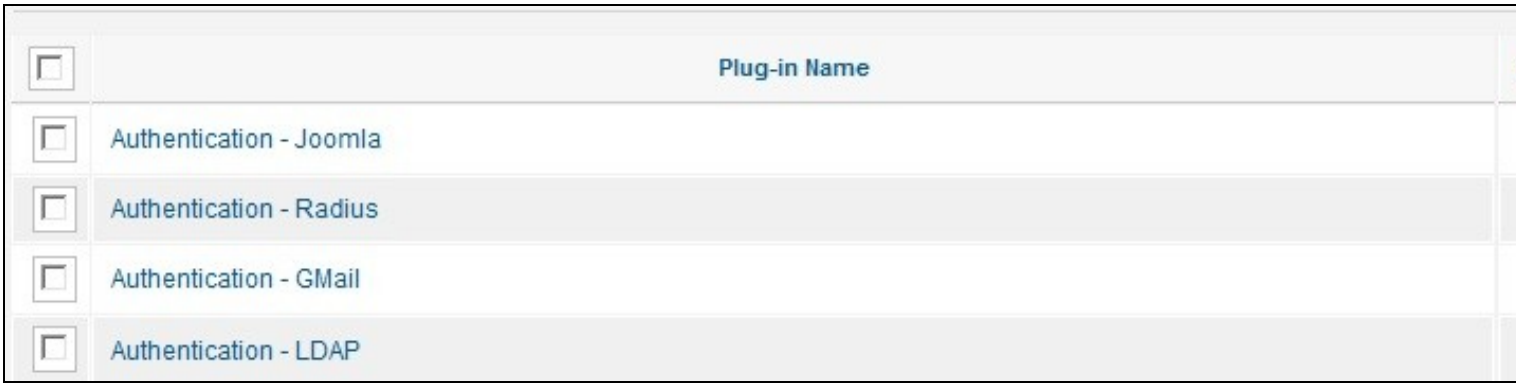
7.1 Joomla RADIUS Authentication Plug-in Installation

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 RADIU plug-in should be listed.



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



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



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

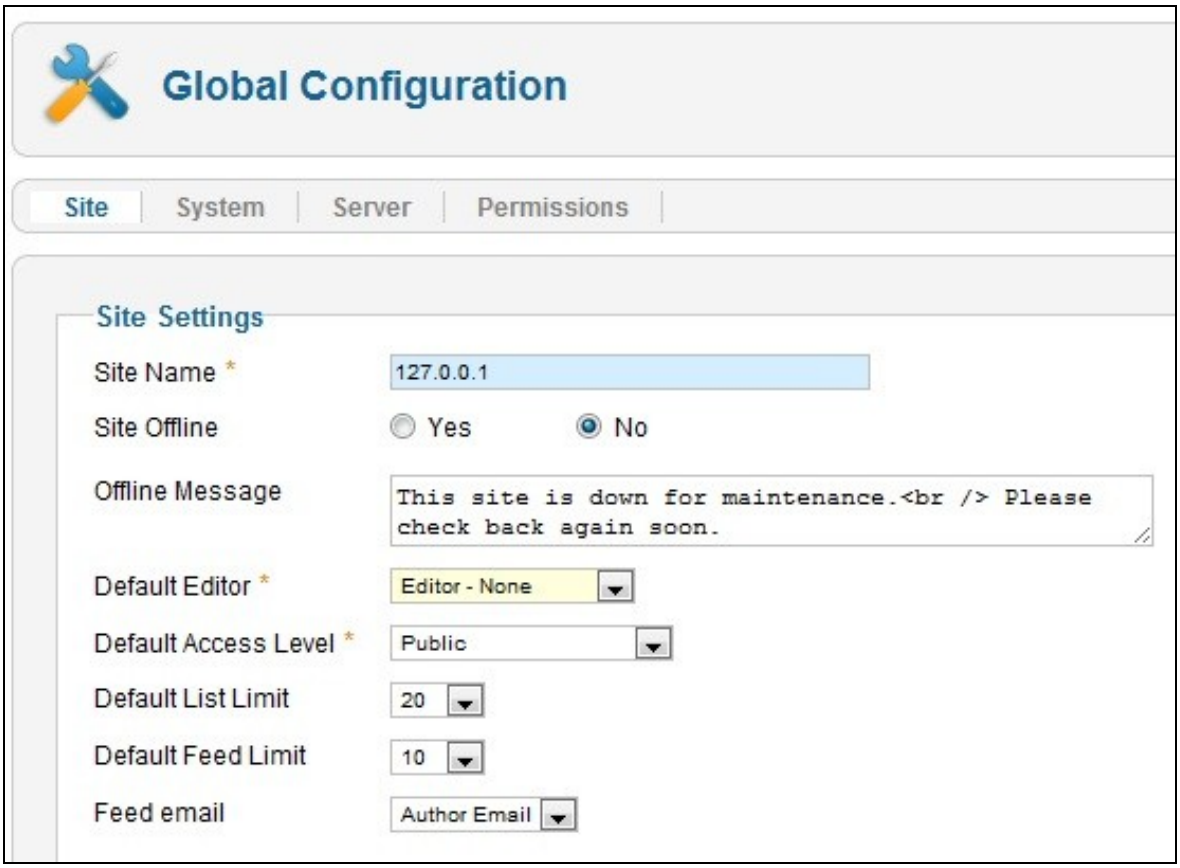
The Joomla login page can be modified in a number of ways, such as:

- 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



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.

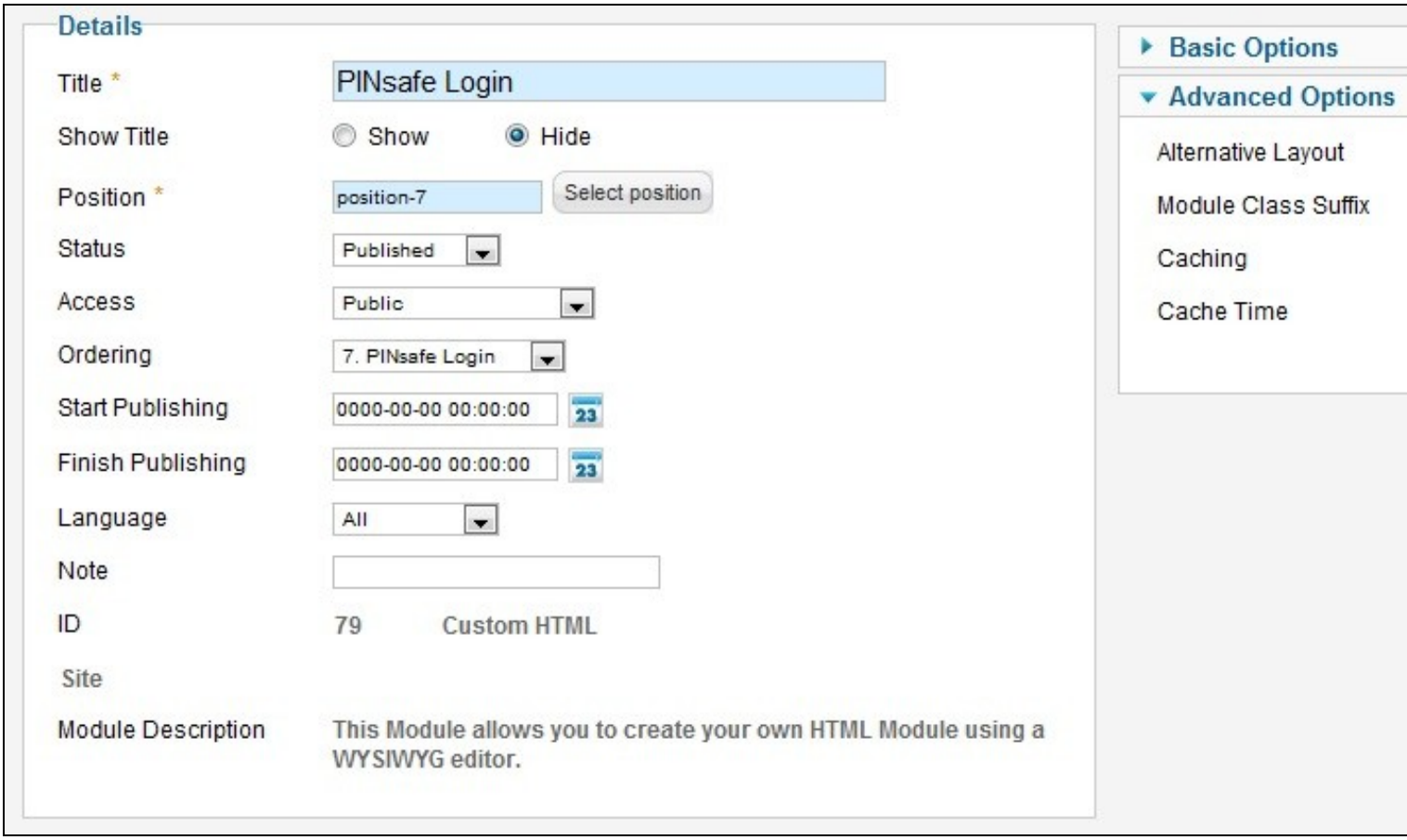
Status: published.

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)

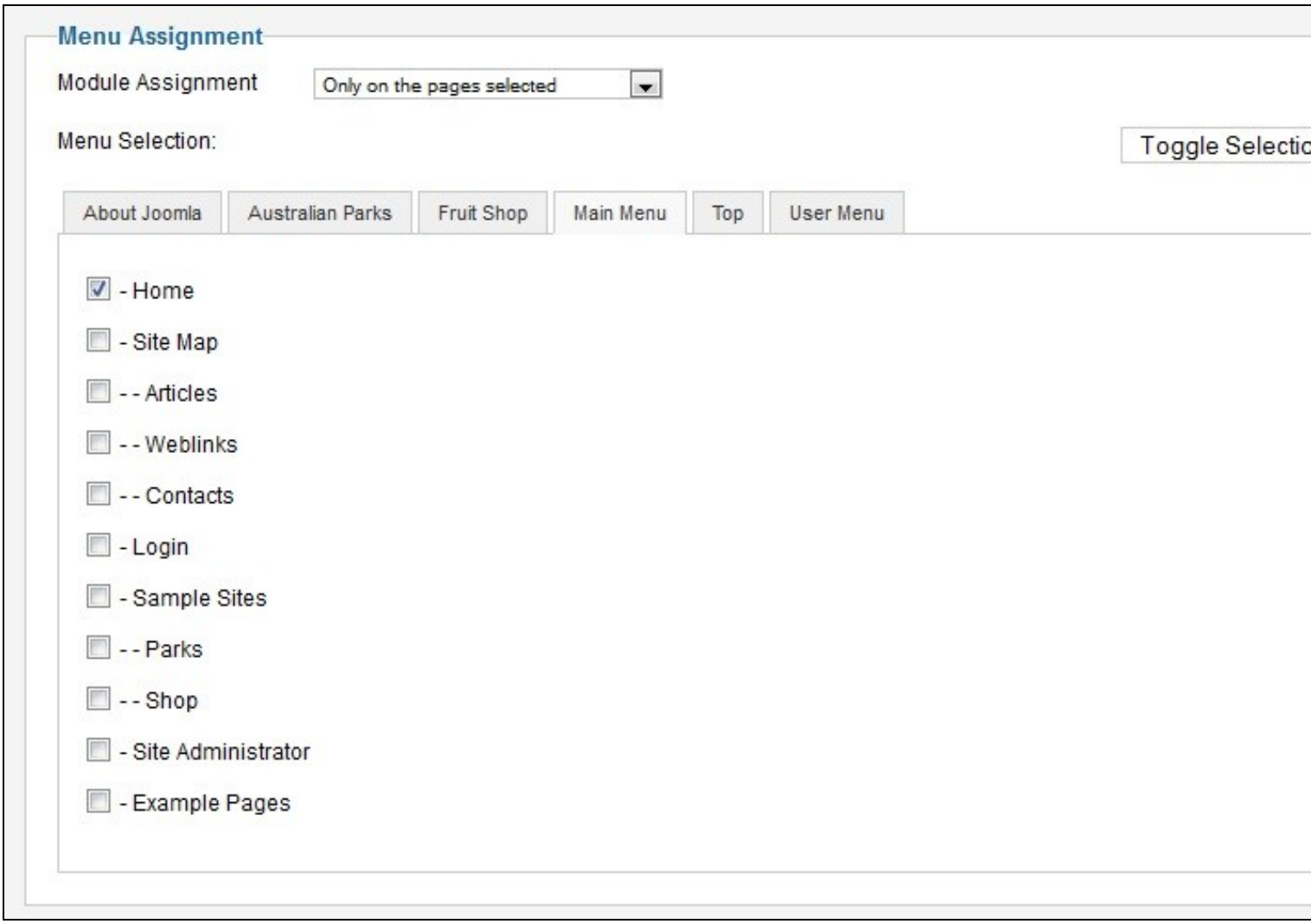
Other settings can be left as default

Under Advanced Options, set Caching to None



8.4 Menu Assignment

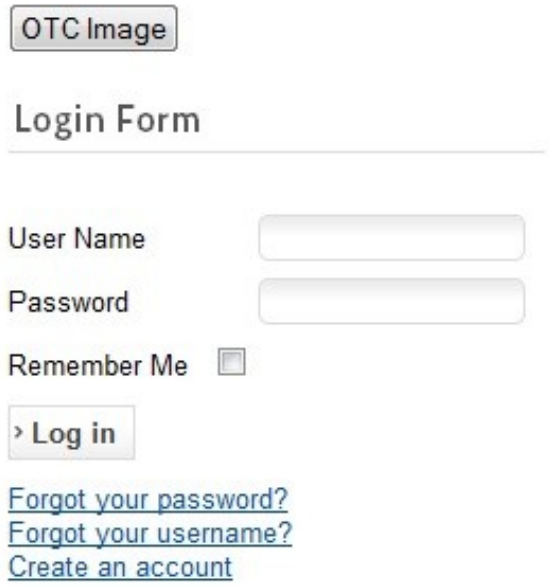
The module will need to be assigned, this will vary according to the site and page configuration. On the module, select Menu Assignment, then select the pages that are required. The below example uses the Module Assignment of 'Use only the pages selected' with Man Menu, Home selected.


Menu Assignment
Module Assignment
Only on the pages selected
Menu Selection:
Toggle Selectio
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

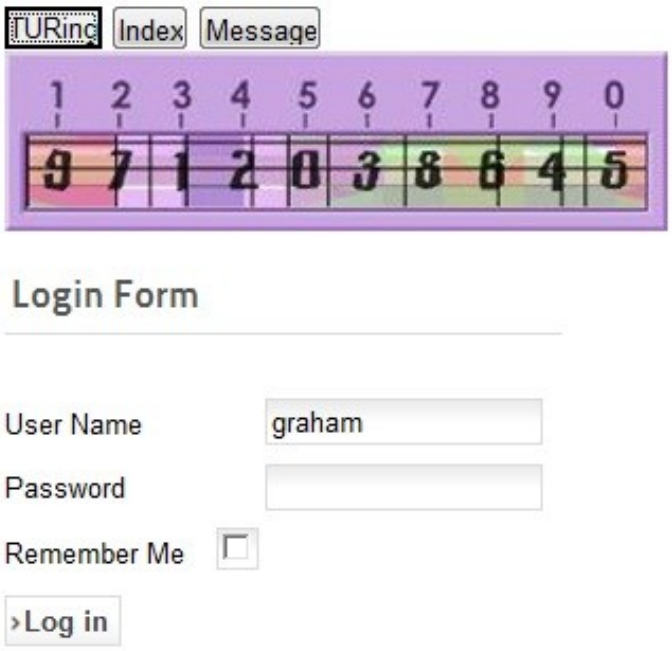
9 Testing

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

Login with TURing, String Index and Message Buttons



TURing Image Login



Security String Index for SMS Message login

01

TURing ndex Message

Login Form

User Name graham

Password

Remember Me

›Log in

SMS Message request Confirmed

TURing Index Message



Login Form

User Name graham

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();">

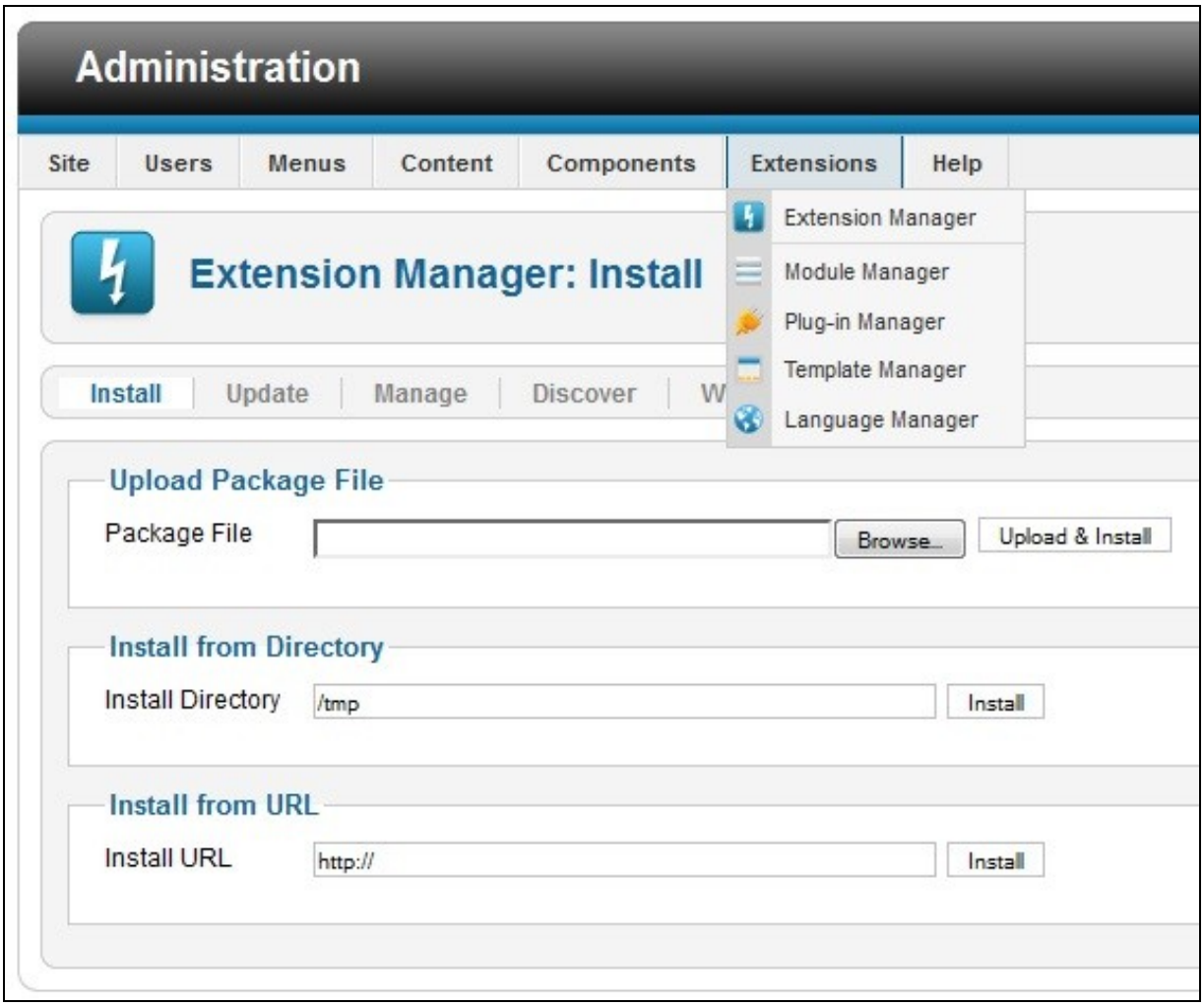
Save the file when complete

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



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

14.5 Configuring the Module

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