asset nation CMS prototype setup

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| Project | Self-service 2.0 |
| Title | Asset Nation Joomla CMS prototype setup (Convergence Portal) |
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# 1. Purpose

The purpose of this document is to provide documentation to setup Joomla CMS with Prototype Modules built for Asset Nation:

* Install and Configure Joomla
* Install and Configure Custom Modules

# 2. install joomla

Steps to Install and configure Joomla are given below.

**Pre-Requisite**: **XAMPP** which is an easy to install Apache distribution containing **MySQL, PHP** and **Perl**

Please refer below URL for XAMPP download, installation and configuration

http://www.apachefriends.org/en/xampp-windows.html

## 2.1. Install and configure Joomla

Please refer below URL and follow the steps for installing and configuring Joomla

http://docs.joomla.org/Installing\_Joomla!

Configure Apache to map the Joomla into your application domain, i.e.pn.local.assetnation.com.

Include a new Directory mapping for joomla in httpd.conf, inside the selfserivce virtual domain settings

**NameVirtualHost pn.local.assetnation.com**

**<VirtualHost pn.local.assetnation.com:80>**

**DocumentRoot "D:/selfservice/web"**

**ServerName pn.local.assetnation.com**

**DirectoryIndex selfservice.php**

**<Directory "D:/selfservice/web">**

**AllowOverride All**

**Allow from All**

**</Directory>**

**# Other directives here**

**Alias /joomla "C:\Joomla\_2.5.4"**

**DirectoryIndex index.php**

**<Directory "C:\Joomla\_2.5.4">**

**AllowOverride All**

**Allow from All**

**</Directory>**

**</VirtualHost>**

## 2.2. test joomla

Invoke and verify the URL’s below work:

<http://pn.local.assetnation.com/joomla/>

<http://pn.local.assetnation.com/joomla/administrator/>

# 3. install AN cms prototype modules

List of Modules, Components and Plugins built for the CMS along with install steps are given below:

Location of source root folder for CMS custom code: \anportal\joomla\

<<TODO>>

## 3.1. AN josso plugin

This is a Joomla Custom Authentication Plugin which implements AN Josso Single Sign On. This Plugin’s onUserAuthenticate is called by Joomla whenever a user Logs into Joomla.

**Source code: \anportal\joomla\plugins\jossoplugin3**

<<RAVI TODO: Code refactor: folder/file name changes, generalize code, implement error handling, implement exception flows, Install Steps >>

**Install steps:**

* Zip the plugin code on your local machine as a zip file package.
* From the backend of your Joomla site (administration) select Extensions -> Install/Uninstall.
* Click the Browse button and select the extension package on your local machine.
* Click the Upload File & Install button.
* Enable the newly created plugin i.e.**jossoplugin3**

## 3.2. AN josso Module

This is a Joomla Custom module which implements the following features:

1. Implements Josso SSO using URL redirection to AN Josso Server (uses SelfService code)
2. Implements Joosso-Joomla bridge that logs the Josso Authenticated user into Joomla
   * PHP File for bridge code: an-josso-joomla-bridge.php
   * Programmatically logs the user into Joomla System by calling Joomla’s Authentication Plugin which, in turn, calls AN Josso Plug.
3. Implement Josso Logout that internally executes Joomla User logout also

**Source code: \anportal\joomla\modules\mod\_jossologin**

<<RAVI TODO: Code refactor: folder/file name changes, generalize code, implement error handling, implement exception flows, Install Steps >>

**Install steps:**

* Zip the module code on your local machine as a zip file package.
* From the backend of your Joomla site (administration) select Extensions -> Install/Uninstall.
* Click the Browse button and select the extension package on your local machine.
* Click the Upload File & Install button.
* Enable the newly created module i.e. **jossologin**

## 3.2. SELFSERVICE RECENT LISTING MODULE

This is a Joomla Custom module which implements the following features:

1. Displays Recent SelfService Listings for the authenticated User
2. Hyperlinks to Listings that invoke Joomla IFrame Menu Component displays corresponding listing in an iframe within the component area of the page
3. IFrame Wrapper customization to generate & pass Listing related action parameters along with iFrame URL
4. Symfony Bridge Code to convert IFrame URL into Symfony format
   * Code for the Symfony Bridge exists under Apache root folder : D:\xampp2\htdocs\JoomlaAssetNationBridge

**Source code: \anportal\joomla\modules\mod\_helloworld**

<<RAVI TODO: Code refactor: folder/file name changes, generalize code, implement error handling, implement exception flows, Install Steps >>

\*\* Ravi: We have to move the bridge also into Joomla folder : **\anportal\joomla\anportal\anbridge**

## 3.3. AN Joomla wrappers

List of PHP files implemented within Joomla root folder are given below:

1. an-index.php : AN Wrapper over the Joomla’s index.php. All AN external applications should redirect to this URL for SSO. After SSO, this page invokes Joomla’s index.php. Also invoked from AN JOSSO Module
   * Contains to code to do URL based Josso Authentication
   * Includes Joomla’s index.php (**require\_once** '/index.php')
2. an-josso-joomla-bridge.php : Contains code to invoke Joomla login programmatically. Invoked from Joomla’s index.php to log Josso authenticated users into Joomla (
3. an-logout-joomla.php : Contains code to invoke Joomla logout programmatically. Invoked from AN JOSSO Module
   * This page redirects user to **an-logout.php** that allows the user to either proceed with logout OR cancel logout
4. Symfony Bridge Code to convert IFrame URL into Symfony format
   * Code for the Symfony Bridge exists under Apache root folder : D:\xampp2\htdocs\JoomlaAssetNationBridge

**Source code: \anportal\joomla\**

<<RAVI TODO: Code refactor: folder/file name changes, generalize code, implement error handling, implement exception flows, Install Steps >>

\*\* Ravi:

* Rename : an-josso-joomla-bridge.php to an-joomla-login.php
  + an-logout-joomla.php to an- joomla-logout.php
* Change Joomla Module UI to use implicit URL redirection similar to AN website using CURL? an-logout-joomla.php and an-logout.php won’t be needed???

## 3.4. Self service josso code

Existing Joss folder of SelfService was copied into Joomla folder to facilitate Josso redirection.

1. joomla-josso-ss.php added to delink SS dependency and to initialize Josso redirection parameters

**Source code: \anportal\joomla\josso**

**<<RAVI TODO: Code refactor: Need to remove this duplication and figure out way to reuse same Josso folder from both SS and Joomla)**