



Mercado User Guide

Version 1.0.0



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1 Introduction

1.1 Overview

Mercado provides easy platform for users to share their reusable components. It provides end to end process for introducing new components and making it available to other users as downloads based on request. It also maintains work flow of different stage throughout the process of publishing each component. This product has two parts, admin and user for maintaining the different components.

1.2 Compitibility

This component is dependent on Liferay Portal. We have tested this component for following versions of Liferay Portal.

- Liferay Portal CE 6.1 GA2
- ZK CE 6.0.1

1.3 Technology Details

This component is developed based on following technologies, frameworks and libraries.

- Liferay Portal
- ZK Framework

1.4 References

http://books.zkoss.org/wiki/ZK_Installation_Guide/Setting_up_Servers/Liferay

<http://www.zkoss.org/documentation>

2 User Guide

2.1 Overview

This product provides end to end process from introducing new component to full fledge product. Users can request to download the components and use them directly in development.

2.2 Features

The features are divided into two parts Admin & User.

2.2.1 Admin

2.2.1.1 Add User and Role

Marketplace Team Members		
Component Type	Technology	License Type
Task Check List		
Add Marketplace Team Member 		
Member	Role	
 @cignex.com	Marketplace Co-ordinator	 
 @cignex.com	Marketplace Super Admin	 

- Admin can add, edit or remove any user to the Mercado team and assign them roles.
- Mercado Co-ordinator can review any submitted components after accepting or rejecting them by interacting with the submitter.

2.2.1.2 Add Metadata Of Component like its type, technology and license type

Marketplace Team Members	Component Type	Technology	License Type	Task Check List
Add Component Type 				
Title	Description	Image ID		
Connector	Connector	905982		
Component	Component	905986		
Utility	Utility	905990		
Theme	Theme	906000		
Portlet	Portlet	905986		
Extension	Extension	906006		
Module	Module	90606		
Code Snippet	Code Snippet	917432		

- Admin can add, edit or remove component types, technologies and licences.
- Users will see only these component types, technologies and licences when adding a new component and they will have to choose in which category their component falls.
- Users can also filter the components on the default landing page using any combination of these types, technologies and licences.
- Image with the corresponding image ID must be added to Liferay for the image to be correctly displayed to the user.

2.2.1.3 Add Task Checklist

Marketplace Team Members	Component Type	Technology	License Type	Task Check List
Add Task Checklist				
Action Type	Check Description	Check Sequence		
Approve Component	Have you checked that no one else developed similar component?	1		
Reject Component	Have you filled the reason for rejecting the component in comments tab?	1		
Develop Component	Have you checked in the source code in SVN?	1		
Sign Off Sonar Report	Have you checked your source code against local Sonar?	1		
Sign Off QA	Have you configured JIRA project to record QA issues?	1		
Packaging Completed	Have you created version branch parallel to trunk for the component version?	1		
Component Review Completed	Have you reviewed all documents?	1		
Approve Component	Does the component description is detailed enough to understand the purpose of the component?	2		
Develop Component	Have you followed naming conventions and folder structure as per CD Marketplace Review check list.xls file sent to you via email?	2		
Sign Off Sonar Report	Is the sonar rule compliance of your code is 95% or above?	2		
Sign Off QA	Have you created test cases in CIGNEX test case format and checked in in documents folder of SVN?	2		
Packaging Completed	Have you created folder with version number in documents folder and created component guide and release notes?	2		
Component Review Completed	Have you reviewed SVN folder structure and naming conventions?	2		

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- Admin can add, edit or remove task and its sequence to the checklist of any action type.
- These tasks must be completed at a particular stage of workflow before the specified action can be taken.
- After all the tasks for the next action are complete then and only then will the workflow proceed.

2.2.2 User

2.2.2.1 Default landing page: filter component with different criteria

The screenshot displays the Mercado User Guide interface. At the top, there are navigation links: Marketplace Home, Contribute Component, My Components, My Tasks, and All Components. Below this is a 'Filter' sidebar on the left and a 'Component List' main area on the right.

Filter Sidebar:

- Keywords:** A text input field.
- Component Type:** A list of categories: Connector, Component, Utility, Theme, Portlet, Extension, Module.
- Technology:** A list of technologies: Liferay, Magento, Alfresco, Drupal, Moodle, SAP, Hudson.
- License:** A list of license types: Free, Commercial.
- Buttons: Apply, Clear.

Component List:

The list shows four components, each with a plug icon, a title, a description, download statistics, an average rating, and a 'Rate the Component' button.

- Liferay SAP ECC Connector:** This component provides user interface for accessing Sales Orders detail from SAP. User can search the sales order based on sales order number, the date when the sales order is issued, status of the order (Open / Closed), purchase order number, material number or customers to whom the product is sold. User can comment on a sales order as well as he can see the schedule line details for that order. 1 Downloads, Average Rating: 5 stars.
- Liferay MongoDB Connector:** This connector connects Liferay Document library with MongoDB. With the use of this connector, we can configure document library to store documents in MongoDB. By using this connector we can use all the features of Liferay document library and also get performance and scalability benefits of MongoDB. 0 Downloads, Average Rating: 5 stars.
- Liferay HBASE Connector:** Liferay DL HBase Hook is the Document Library Hook which integrates Liferay Document Library with HBase. This Hook allows Liferay Document Library documents to be stored in HBase. This way it makes Liferay Document Library capable of storing millions of documents. This Hook extension is developed on Liferay 6 EE SP-1 Version. 0 Downloads, Average Rating: 5 stars.
- Liferay HDFS Connector:** Liferay DL HDFS Store is the Document Library Store which integrates Liferay Document Library with HDFS. This Store allows Liferay Document Library documents to be stored in HDFS. This Store extension is developed on Liferay EE GA-1 6.1.10 Version. 0 Downloads, Average Rating: 5 stars.

At the bottom of the component list, there is a pagination control showing page 1 of 9, and a '[1 / 35]' indicator.

- User can view all components or filter them with different criteria provided on the left side with license type, technology etc.
- User can read the short overview of the displayed components and can find more information about any particular component of interest by clicking on the component name.
- User can view average component rating as well as rate the component himself.
- All the components are neatly arranged into multiple pages for easy navigation.

2.2.2.2 Submit New Component

The screenshot shows the 'New Component Request' form. At the top, there is a navigation bar with links: Marketplace Home, Contribute Component, My Components, My Tasks, and All Components. Below the navigation bar, the form title is 'New Component Request'. The form contains the following fields and controls:

- Version :** Three input boxes for major, minor, and patch versions, currently showing '1', '0', and '0'.
- Component Title :** A single-line text input field.
- Component Description :** A multi-line text area.
- Component Type :** A dropdown menu.
- Technologies :** A list box containing 'Liferay', 'Magento', 'Alfresco', and 'Drupal'.
- Contributor Lead :** A single-line text input field.
- Contributors :** A multi-line text area with a blue plus sign icon to its right, indicating an 'add' function.

At the top of the form area, there are two radio buttons: 'New Component' (which is selected) and 'New Version'. At the bottom of the form, there are two buttons: 'Submit Component Request' and 'Cancel'.

- If user wants to contribute a new component then he can do that here.
- If component is new then new component radio button is used for that and if component already has a previous release then user will select new version and provide proper version for the new release.
- In this screen user has to provide all the necessary details for the component that he/she is submitting.
- Request to add new component is generated and sent to the coordinator by email for review and new workflow is started from this point on for the component.
- This particular component is added on “My Components” section and “All Components” tab list.

2.2.2.3 My Tasks

Marketplace Home Contribute Component My Components My Tasks All Components			
Component Name	Task Detail	Task Start Date	Actions
<i>No Data Available...</i>			

- This section shows all the pending tasks that the user must complete in order to publish their component.
- It provides information to the user about what must be done to progress their component to the next phase and ultimately to publish it.
- User can directly take action by clicking on the link provided in the last column of any task.
- Once the task is completed and the component enters into next phase, then that task entry is removed from the list.
- A new task may be added after completing the current task if more user action is required.

2.2.2.4 All Components

Component Name	Lead Contributor	Technologies	Version	Start Date	Component Status	Progress	# of Downloads
CHASE Paymentech Orbital Payment Gateway - Magento Connector	Thummar	Magento	1.0.0	04-10-2012 11:10:52	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	1
Liferay SAP ECC Connector	Thakkar	Liferay,SAP	1.0.0	04-10-2012 12:08:36	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	1
Liferay MongoDB Connector	Dipika	Liferay,MongoDB	1.0.0	04-10-2012 12:09:43	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0
Artsy Drupal Theme	Thummar	Drupal	1.0.0	04-10-2012 12:10:29	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	1
Simple Passage Drupal Theme	Thummar	Drupal	1.0.0	04-10-2012 12:11:04	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0
Splendid Drupal Theme	Thummar	Drupal	1.0.0	04-10-2012 12:11:39	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0
Liferay Theme Builder	Sangani	Liferay	1.0.0	04-10-2012 14:36:17	Packaged	<div style="width: 100%; height: 10px; background-color: green;"></div>	0
Active Workflow Dashlet	Prajapati	Alfresco	1.0.0	04-10-2012 14:37:09	Packaged	<div style="width: 100%; height: 10px; background-color: green;"></div>	0
Card Designer Tool	Naincy	Magento	1.0.0	04-10-2012 14:38:37	Packaged	<div style="width: 100%; height: 10px; background-color: green;"></div>	0
Import Contacts Module	Naincy	Magento	1.0.0	04-10-2012 14:39:21	Packaged	<div style="width: 100%; height: 10px; background-color: green;"></div>	0
Liferay HBASE Connector	Varun	Liferay,HBase	1.0.0	04-10-2012 14:40:51	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0
Liferay HDFS Connector	Chirag	Liferay,HDFS	1.0.0	04-10-2012 14:43:05	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0

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- This section shows all the components that have been submitted to Mercado by all the users.
- It also shows some basic information about the components along with there status on Mercado.
- Co-ordinators can directly edit any of the components from here if it is required.

2.2.2.5 My Components

Marketplace Home Contribute Component My Components My Tasks All Components								
Component Name	Technologies	Version	Start Date	Component Status	Progress	# of Downloads	Action	
Document Browser	Liferay	1.0.0	04-10-2012 14:45:38	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0		
Twitter Timeline Portlet	Liferay	1.0.0	04-10-2012 14:47:41	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0		
Flickr Widget Portlet	Liferay	1.0.0	04-10-2012 14:51:01	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0		
iPAD Theme	Liferay	1.0.0	05-10-2012 14:36:19	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0		
Liferay Configuration Manager portlet	Liferay	1.0.0	05-10-2012 14:50:15	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0		
User creation portlet	Liferay	1.0.0	05-10-2012 15:01:31	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	1		
Facebook Widget Portlet	Liferay	1.0.0	05-10-2012 15:04:22	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0		
Linked In Portlet	Liferay	1.0.0	05-10-2012 15:07:30	Published	<div style="width: 100%; height: 10px; background-color: green;"></div>	0		
Archive Scheduler	Alfresco	1.0.0	08-10-2012 10:58:45	Pending	<div style="width: 20%; height: 10px; background-color: green;"></div>	0		
Action On Group	Alfresco	1.0.0	08-10-2012 11:03:50	Pending	<div style="width: 10%; height: 10px; background-color: green;"></div>	0		
Custom Script Processor	Alfresco	1.0.0	08-10-2012 11:04:57	Pending	<div style="width: 5%; height: 10px; background-color: green;"></div>	0		
Script to set default deshlets	Alfresco	1.0.0	08-10-2012 11:08:12	Pending	<div style="width: 5%; height: 10px; background-color: green;"></div>	0		

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- This screen shows all the components that the current user has either submitted or is part of its development.
- It shows some basic information of the components with its current status progress in the workflow.
- User can directly edit the information of any of the unpublished components by clicking on the icon in the last column where after he will be redirected to the edit component page.

2.2.2.6 Edit Component

The screenshot displays the 'Edit Component' page in the Mercado application. At the top, there are navigation tabs: Marketplace Home, Contribute Component, My Components, My Tasks, and All Components. Below these are sub-tabs for General, Marketing, Comments, Workflow, and Download. The main form area contains several fields: Component Title (Archive Scheduler), Version (1.0.0), Component Description (This scheduler will archive the items based on the criteria specified.), Technologies (Liferay, Magento, Alfresco, Drupal), Project Leader (username@cignex.com), and Contributors (username@cignex.com). A right-hand sidebar contains an 'Actions' section with Save and Cancel buttons, a 'Workflow Actions' section with buttons for Approve Project Request, Reject Project Request, Development Completed, Sonar Review Done, Test Completed, Packaging Completed, Review Completed, and Publish Component, and a 'Workflow Status' section with a progress indicator from 1 (Pending) to 8 (Published).

- Very important feature of the application is shown by this screen which helps to maintain and manage the workflow of any component.
- When user submits a component to Mercado a new workflow for that component is initiated and managed by this screen.
- Here the user can edit any basic details of the component such as its contributors, its compatibility, technologies, svn project url, source code url, documentation url, JIRA project url, sonar project url etc.
- On every phase of the workflow email notification are sent by the application to the contributors and the co-ordinators that are following the workflow progress.
- There are other sub-tabs which help to navigate the full “Edit Component” page easily.
- Marketing tab is to edit marketing related details like licence type, component thumbnail etc.
- Comments tab can be used by the contributors and co-ordinators to communicate with each other when required.
- Workflow tab shows the last activity performed on the component, by whom and when.

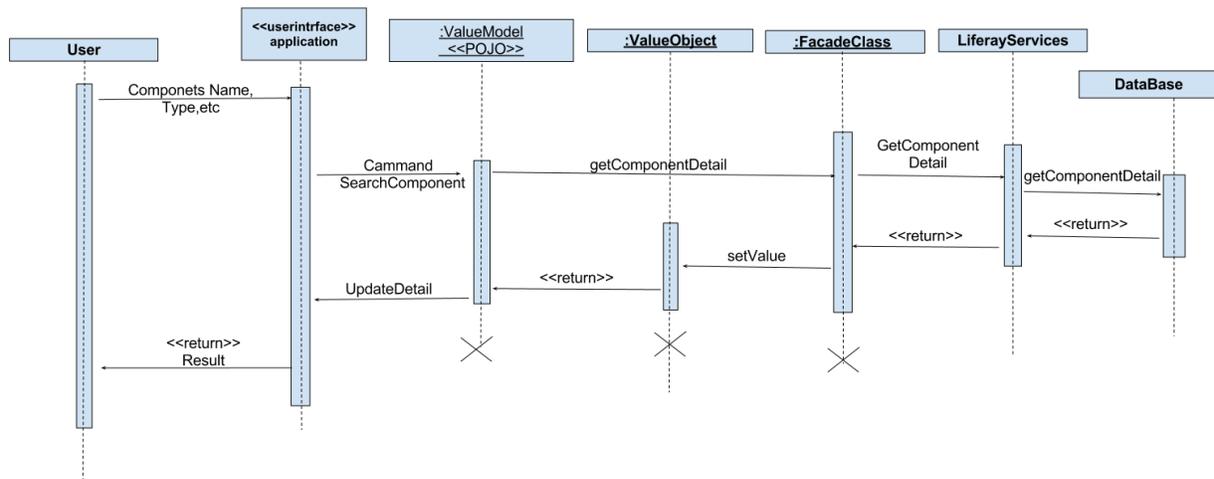
3 Technical Details

3.1 Software Component Details

This component is dependent on Liferay Portal. We have tested this component for following versions of Liferay Portal.

- Liferay Portal CE 6.1 GA2

3.2 Design and Architectural details



3.3 Configuration Details

Configurations in portlet.properties file:

This settings are required by the Portlet to send email. Please change the values to those that are provided by your email service provider.

```
// Defines the out-going email protocol
marketplace.mail.smtp.protocol=smtp
```

```
// Enable/disable authentication to send mail?
marketplace.mail.smtp.auth=true
```

```
// Host address provided by the email sevice provider for smtp
marketplace.mail.smtp.host=lists.cignexdatamatics.com
```

```
// Port address provided by the service provider for smtp
marketplace.mail.smtp.port=25
```

```
// Username of the account to be used to send mail
```

```
marketplace.mail.smtp.user=username

// Password of the account to be used to send mail
marketplace.mail.smtp.password=password

// Email address of the sender which the receiver will see
marketplace.mail.smtp.fromAddress=no-reply.mercado@cignex.com

// Name of sender which the receiver will see
marketplace.mail.smtp.fromName=Mercado Administrator

// Enable/disable auto mail notification
marketplace.mail.enabled=true
```

The following documents are sent as attachments to the lead contributor

They are present in `${plugin-sdk}\marketplace-portlet\docroot\WEB-INF\src\com\cignexdatamatics\marketplace\dependancies` directory and they must be modified according to your needs before deploying the portlet.

- about-{component-name}.docx
 - "About Component" Template will be sent to the contributor as a reference.
- About-sample-component.docx
 - A sample file of "About Component" will be sent to the contributor as a reference.
- component-guide-template.docx
 - Component guide template sent to the contributor.
- sample-component-guide.docx
 - Sample component guide sent to the contributor.
- CD_Marketplace_Guide.pdf
 - Component submission guideline sent to the contributor.
- CD_Marketplace_Review_Checklist.xlsx
 - Checklist of things to take of before a component is packaged.
- release-notes-template.docx
 - Component release note template sent to the contributor.
- sample-component-release-notes.docx
 - Sample component release note.

These are the email templates which are used for the mail subject and body for various mails sent by the system.

- email_component_added_subject.tpl & email_component_added_body.tpl
 - Sent to the Contributor Lead when he submits new component.

- email_component_approval_request_subject.tpl & email_component_approval_request_body.tpl
 - Sent to the co-ordinator for approval request when a new component is submitted.

- email_component_approved_subject.tpl & email_component_approved_body.tpl
 - Sent to the Contributor Lead when his component is approved.

- email_component_rejected_subject.tpl & email_component_rejected_body.tpl
 - Sent to the Contributor Lead when his component is rejected.

- email_component_development_completed_subject.tpl & email_component_development_completed_body.tpl
 - Sent to the Contributor Lead when he completes the development phase.

- email_component_sonar_review_completed_subject.tpl & email_component_sonar_review_completed_body.tpl
 - Sent to the Contributor Lead when he submits the SONAR review.

- email_component_tested_subject.tpl & email_component_tested_body.tpl
 - Sent to the Contributor Lead when he has fully tests the component and progresses the workflow.

- email_component_packaged_subject.tpl & email_component_packaged_body.tpl
 - Sent to the Contributor Lead when he is finished with the packaging.

- email_component_review_request_subject.tpl & email_component_review_request_body.tpl
 - Sent to the Coordinator when the contributor has completed the process till packing of the component.

- email_component_reviewed_subject.tpl & email_component_reviewed_body.tpl
 - Sent to the Contributor Lead when the Coordinator is done with reviewing of the submitted component.

- email_component_publish_request_subject.tpl & email_component_publish_request_body.tpl
 - Sent to the Coordinator requesting him to publish the packaged component to Mercado.

- email_component_published_subject.tpl & email_component_published_body.tpl
 - Sent to the Contributor Lead when his component has been published to the Mercado.

- email_component_download_request_subject.tpl & email_component_download_request_body.tpl
 - Sent to the Coordinator when any user requests to download any component published in Mercado.
- email_component_download_request_approval_subject.tpl & email_component_download_request_approval_body.tpl
 - Sent to the User when his download request is approved.

4 Build Process

We developed this component as part of Liferay Plugin SDK. In order to build this component you need to follow following steps.

- Download and configure Liferay 6.1 GA2 CE Plugin SDK.
- Get the latest code from the SVN repository that is provided to you.
- Now from command prompt, navigate to <PLUGIN_SDK_DIR>/portlets/mercado-portlet directory.
- Run following command.

```
ant war
```

- You will find mercado-portlet.war file in <PLUGIN_SDK_DIR>/dist directory

5 Installation Guide

5.1 Liferay Configuration

5.1.1 Installation

Download Liferay 6.1 CE GA2 addition and place it to some directory
i.e. in /opt/liferay/liferay-portal-6.1.10-ce-ga2/ directory in linux environment.

5.1.2 Startup and License Installation

- Goto <LIFERAY_HOME>/tomcat-7.0.25/ and execute below command to start Liferay.

```
./bin/startup.sh
```

- Now copy your license file to <LIFERAY_HOME>/deploy directory.

5.1.3 Component Installation

- Copy mercado-portlet.war file to <LIFERAY_HOME>/deploy.