



# **ALBPM Workspace Customization Guide**

**Version: 6.0**

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# Introduction

This section provides general information about the *AquaLogic BPM WorkSpace Customization Guide*. This guide assumes that you have already installed ALBPM Enterprise. See the *AquaLogic BPM Installation Guide* for more information.

## Document Scope and Audience

This document is written for developers and administrations who need to customize ALBPM WorkSpace. It describes the tasks needed to customize ALBPM WorkSpace look and feel, layout, content and behaviour.


This guide also provides general information about ALBPM WorkSpace configuration settings.

This document assumes that you have a good understanding of Java, HTML, Cascading Style Sheets (CSS) and user interface terminology. It also assumes that you are familiar with ALBPM WorkSpace and ALBPM Process API.

## BEA Documentation and Resources

This section describes other documentation, resources, support, and training information provided by BEA.

The table below lists a number of BEA Documentation and Resources which will help you get started with AquaLogic BPM.

Resource	Description
ALBPM Product Documentation	The complete ALBPM 6.1 product documentation is available at <a href="http://edocs.bea.com/albsi/docs60/index.html">http://edocs.bea.com/albsi/docs60/index.html</a> .
Release Notes	The Release Notes file includes information about new features and known issues in the release. It is available at <a href="http://edocs.bea.com/albsi/docs61/relnotes/rel_notes_AquaLogic_BPM_6_1.htm">http://edocs.bea.com/albsi/docs61/relnotes/rel_notes_AquaLogic_BPM_6_1.htm</a> .
Online Help	<p>The online help is written for all levels of users. It describes the AquaLogic BPM user interface and gives detailed instructions for completing tasks in AquaLogic BPM. To access online help:</p> <ul style="list-style-type: none"> <li>• In Studio, select <b>Help ► Help Contents</b> to access the complete ALBPM Studio help. Context help is also available by pressing the F1 key, or by selecting <b>Help ► Dynamic Help</b> from the menu.</li> <li>• In WorkSpace, click on Help in the title bar, or click on the help icon (  ) in the title bar of any panel for help about that panel.</li> </ul>
AquaLogic BPM Support Center	<p>The AquaLogic BPM Support Center is a comprehensive repository for technical information on AquaLogic BPM products. From the Support Center, you can access products and documentation, search knowledge base articles, read the latest news and information, participate in a support community, get training, and find tools to meet most of your AquaLogic BPM related needs.</p> <p><a href="http://one.bea.com/support/">http://one.bea.com/support/</a></p>
ALBPM Developer Center at dev2dev	<p>The BEA AquaLogic BPM Suite Developer Center features articles, blogs, and newsgroups which will help you make the most out of ALBPM.</p> <p><a href="http://dev2dev.bea.com/albpm/">http://dev2dev.bea.com/albpm/</a></p>

Resource	Description
ALBPM Product Center	<p>Download products, read Release Notes, access recent product documentation, and view interoperability information.</p> <p><a href="http://commerce.bea.com/products/aqualogic/bpm/albpm.jsp">http://commerce.bea.com/products/aqualogic/bpm/albpm.jsp</a></p>
BEA Education	<p>Find information about available training courses, purchase training credits, and register for upcoming classes.</p> <p><a href="http://dev2dev.bea.com/community/education/">http://dev2dev.bea.com/community/education/</a></p>
User Groups	<p>Visit the User Group section to collaborate with peers and view upcoming meetings.</p> <p><a href="http://dev2dev.bea.com/community/usergroups/">http://dev2dev.bea.com/community/usergroups/</a></p>
Technical Support	<p>If you cannot resolve an issue using the above resources, BEA Technical Support is happy to assist. Our staff is available 24 hours a day, 7 days a week to handle all your technical support needs.</p> <p>E-mail: <a href="mailto:ALBPMsupport@bea.com">ALBPMsupport@bea.com</a></p> <p>Phone Numbers:</p> <p>U.S. and Canada: +1 415 263 1696 or +1 866 262 7586</p> <p>EMEA (Europe, Middle East, and Africa): +44 1494 559127</p> <p>Australia / New Zealand: +61 2 9923 4030</p> <p>Asia Pacific: +61 2 9931 7822</p> <p>Singapore: +1 800 1181 202</p>

# ALBPM WorkSpace Customization

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You can customize ALBPM WorkSpace to adapt it to the requirements of the end users. The following section analyzes the different reasons for customizing ALBPM WorkSpace and the available customization types.

## When Is ALBPM WorkSpace Customization Useful?

ALBPM WorkSpace application can be customized according to the users needs.

Possible reasons to customize ALBPM WorkSpace include:

- To provide branding. This helps users identify ALBPM WorkSpace as an application of your organization.
- To make the application more intuitive by resembling the way other applications that are familiar to the user, look and behave.
- To ensure messages, colors and images convey the right meaning to the user.

## Types of Customization

ALBPM WorkSpace supports different types of customizations. Depending on your needs you may need to apply all of them or just a subset that fulfills your requirements.

The following list shows the available types of customizations:

### Look and Feel Customization

You can change the color scheme, fonts, icons and messages ALBPM WorkSpace uses. This is the most basic type of customization. Typically it will satisfy your requirements.

To customize color schemes and fonts you have to define your own Cascading Style Sheets (CSS). To change icons, labels and text messages you have to create a properties file and configure ALBPM WorkSpace to use it.

For more information on how to customize ALBPM WorkSpace look and feel, see [ALBPM WorkSpace Look and Feel Customization](#) on page 8

### Layout Customization

You can change the position of already existing panels, add new panels, and remove already existing panels. You can define a default layout for all the users of the application. In turn, each user can modify the default layout.

For more information on how to customize ALBPM WorkSpace layout, see [ALBPM WorkSpace Layout Customization](#) on page 18.

### Content Customization

You can change the information displayed in the Work List and Applications panels. You can also change the appearance of the rows and cells that compose the Work List panel, based on the instance information.

For more information on how to customize ALBPM WorkSpace content, see [Customizing the Work List and Applications Panel Content](#) on page 21.

### Panel Interaction Customization

You can modify the way panels interact with one another. If you add or remove panels to the default layout, you might need to modify how the selected items in those panels trigger changes in the content displayed by other panels.

For more information on how to customize ALBPM Workspace interaction between panels, see [Panel Interaction Customization](#) on page 26.

## ALBPM WorkSpace Look and Feel Customization

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The look and feel of an application defines its appearance and the behaviour of its components. ALBPM WorkSpace allows you to customize its look and feel to resemble other websites and applications in your organization.

You can customize the following design elements:

- colors
- fonts
- borders
- dimensions and layout
- header images
- icons

Except for icons, these design elements are defined using Cascading Style Sheets (CSS). Icons are defined using image bundles.

### Defining Visual Properties using CSS

Each ALBPM WorkSpace component has its own visual properties. These properties are defined by using CSS.

Each of the following visual components is associated with one or more CSS classes:

- Login screen
- Header
- Background
- Panels
- Footer
- Error messages

To change the style of a component, modify the class associated with that component.

You can change the following properties for each visual component :

- Background and foreground color
- Background images
- Width and height
- Border type, thickness, and color
- Font family, style, weight, size, and color
- Text alignment

### Changing ALBPM WorkSpace Default CSS File

ALBPM WorkSpace uses a CSS to define its presentation. The following procedures show you how to change ALBPM WorkSpace default CSS file.

These procedures show you how to create a new CSS file using ALBPM WorkSpace default CSS file as a template. To do this you need to edit the following files:

- The CSS file `bpmworkspace.css` in `BEA_HOME/albpm6.0/enterprise/webapps/workspace/css`.
- ALBPM WorkSpace configuration file `workspace.properties` in `BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF`.



To change ALBPM WorkSpace default CSS:

1. Create a copy of the file `bpmworkspace.css`.



**Note:** Make sure you leave the copied CSS file in the same directory where the original file is.

2. Rename the copied file.
3. Edit the new CSS file to modify presentation preferences.

For a reference of the CSS classes each ALBPM WorkSpace panel uses, see [ALBPM WorkSpace Panels CSS Reference](#) on page 36.

4. Edit the file `workspace.properties`.
5. Change the value of the property `fuego.workspace.stylesheet` to the name of the new CSS file.
6. Restart ALBPM web applications.

The next time you access ALBPM WorkSpace, it uses the properties defined in the new CSS file to render its presentation.

## Customizing ALBPM WorkSpace Login Screen

You can customize ALBPM WorkSpace login screen with the logo and colors of your organization.

To customize ALBPM WorkSpace Header you can:

- Change the login screen banner
- Change the login screen font

### Changing the Login Screen Banner

The following procedures show you how to change the image displayed in the login screen banner.

The following procedure needs you to edit ALBPM WorkSpace CSS file. For information on how to change ALBPM WorkSpace default CSS, see [Changing ALBPM WorkSpace Default CSS File](#) on page 8.

For a complete reference of the CSS classes used to render the login screen, see [ALBPM WorkSpace Login Screen CSS Classes](#) on page 36.

To change the image in the login screen banner:

1. Create an image with the desired banner.  
The image should be 48px tall and not be wider than 330px.
2. Copy the image to the directory `BEA_HOME/albpm6.0/enterprise/webapps/workspace/img`.
3. Edit ALBPM Workspace CSS file.
4. Change the value of the property `background-image` for the class `bpmWorkspaceLoginHeader` for the path of the new image.
5. Save the changes made to the CSS file.
6. Re-start ALBPM WorkSpace.

The next time you start ALBPM WorkSpace the login screen displays the new image.



**Note:** If the custom settings you defined are not applied, empty your browser's cache and re-login to ALBPM WorkSpace.

### Changing the Login Screen Font

The following procedure shows you how to change the font of the login screen.

The following procedure needs you to edit ALBPM Workspace CSS file. For information on how to change ALBPM Workspace default CSS, see [Changing ALBPM Workspace Default CSS File](#) on page 8.

For a complete reference of the CSS classes used to render the login screen, see [ALBPM Workspace Login Screen CSS Classes](#) on page 36.

To change the font of the login screen:

1. Edit ALBPM Workspace CSS file.
2. Change the value font propertie for the class bpmWorkspaceLoginFormLabel.

The next time you start ALBPM Workspace the login screen displays the font you defined.



**Note:** If the custom settings you defined are not applied, empty your browser's cache and re-login to ALBPM Workspace.

## Customizing ALBPM Workspace Login Screen

You can customize ALBPM Workspace header with the logo and colors of your organization.

To customize ALBPM Workspace header you can:

- Change the logo image
- Change the decoration image
- Change the menu background color
- Change the font

### Changing the Logo Image

The following procedure shows you how to change the logo image that appears on the header of ALBPM Workspace.

The following procedure needs you to edit ALBPM Workspace CSS file. For information on how to change ALBPM Workspace default CSS, see [Changing ALBPM Workspace Default CSS File](#) on page 8.

For a complete reference of the CSS classes used to render the header, see [ALBPM Workspace Header CSS Classes](#) on page 36.

To change the logo image:

1. Create an image with the logo of your organization.  
The image should be 50px tall and no more than 460px wide.
2. Copy the image to the directory `BEA_HOME/albpm6.0/enterprise/webapps/workspace/img`.
3. Edit the ALBPM Workspace CSS file.
4. Change the value of the property background-image for the class bpmWorkspaceHeaderLogoImage for the path of the new image.  
The position of the logo can be changed by changing the property background-position.
5. Save the changes to the CSS file.
6. Re-start ALBPM Workspace.

The next time you start ALBPM Workspace the header displays the new logo image.



**Note:** If the custom settings you defined are not applied, empty your browser's cache and re-login to ALBPM Workspace.

## Changing the Header Decoration Image

The following procedure shows you how to change the decoration image of ALBPM WorkSpace header.

The following procedure needs you to edit ALBPM WorkSpace CSS file. For information on how to change ALBPM WorkSpace default CSS, see [Changing ALBPM WorkSpace Default CSS File](#) on page 8.

For a complete reference of the CSS classes used to render the header, see [ALBPM WorkSpace Header CSS Classes](#) on page 36.

To change the decoration image:

1. Create an new image with the desired decoration.  
The image should be 70px tall and no more than 256px wide.
2. Copy the image to the directory `BEA_HOME/albpm6.0/enterprise/webapps/workspace/img`.
3. Edit ALBPM Workspace CSS file.
4. Change the value of the property `background-image` for the class `bpmWorkspaceHeaderLogo` for the path of the new image.

The position of the logo can be changed by changing the property `background-position`.

5. Save the changes made to the CSS file.
6. Re-start ALBPM WorkSpace.

The next time you start ALBPM WorkSpace the header displays the decoration you defined.



**Note:** If the custom settings you defined are not applied, empty your browser's cache and re-login to ALBPM WorkSpace.

## Changing the Header Menu Background Color

The following procedure shows you how to change the color of the menu that appears in ALBPM WorkSpace header.

The following procedure needs you to edit ALBPM WorkSpace CSS file. For information on how to change ALBPM WorkSpace default CSS, see [Changing ALBPM WorkSpace Default CSS File](#) on page 8.

For a complete reference of the CSS classes used to render the header, see [ALBPM WorkSpace Header CSS Classes](#) on page 36.

To change the color of the menu:

1. Edit the ALBPM Workspace CSS file.
2. Change the value of the property `background-color` for the class `bpmWorkspaceHeaderToolbar`.
3. Save the changes made to the CSS file.
4. Re-start ALBPM WorkSpace.

The next time you start ALBPM WorkSpace the header menu uses the color you defined.



**Note:** If the custom settings you defined are not applied, empty your browser's cache and re-login to ALBPM WorkSpace.

## Changing the Header Font

The following procedure shows you how to change the header font.

The following procedure needs you to edit ALBPM WorkSpace CSS file. For information on how to change ALBPM WorkSpace default CSS, see [Changing ALBPM WorkSpace Default CSS File](#) on page 8.

For a complete reference of the CSS classes used to render the header, see [ALBPM WorkSpace Header CSS Classes](#) on page 36.

To change the header font:

1. Edit the ALBPM Workspace CSS file.
2. Change the value font propertie for the classes bpmWorkspaceHeaderToolbar TD and bpmWorkspaceHeaderToolbar a.
3. Save the changes made to the CSS file.
4. Re-start ALBPM WorkSpace.

The next time you start ALBPM WorkSpace the header uses the font you defined.



**Note:** If the custom settings you defined are not applied, empty your browser's cache and re-login to ALBPM WorkSpace.

## Customizing ALBPM WorkSpace Footer

By default ALBPM WorkSpace footer is disabled. The following procedure shows you how to add a footer.

The following procedures need you to edit the ALBPM WorkSpace CSS file. For information on how to change ALBPM WorkSpace default CSS, see [Changing ALBPM WorkSpace Default CSS File](#) on page 8.

To add a footer:

1. Edit the ALBPM Workspace CSS file.
2. Add the attribute height to the class bpmWorkspaceFooter.  
If the footer includes a background image the height match or be greater than the height of the image.
3. Customize the footer by modifying the attribute values of the class bpmWorkspaceFooter.

The next time you start ALBPM WorkSpace the footer displays the custom settings you defined.



**Note:** If the custom settings you defined are not applied, empty your browser's cache and re-login to ALBPM WorkSpace.

## ALBPM WorkSpace Icons

ALBPM WorkSpace comes with a default set of icons. You can customize these icons.

ALBPM WorkSpace uses icons to do the following:

- Identify actions that the user can execute
- Indicate the type or the state of the information the icon is associated with

The application provides a default set of icons that uses standard symbols and colors. You can replace this set of icons partially or completely by following the procedures described in [Customizing ALBPM WorkSpace Icons](#) on page 12.

## Customizing ALBPM WorkSpace Icons

ALBPM WorkSpace uses icons to help the user quickly identify important information and actions to perform. If standard icons do not convey the right meaning to your audience, you may need to replace them. The following procedures show you how to replace the default set of icons in ALBPM WorkSpace.

These procedures show you how to create a new image bundle using ALBPM Workspace's default image bundle as a template. To do this you need to edit:

- The ALBPM WorkSpace configuration file `workspace.properties` in `BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF`.

- The icons configuration file `ImagesBundleSet1.properties` in `BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF/classes`.

1. Create a copy of the file `ImagesBundleSet1.properties`.



**Note:** Make sure you leave the copied file in the same directory where the original file is.

2. Rename the copied file.

3. Replace the standard icon for the new icon.

- a) Copy the new icon to the directory `BEA_HOME/albpm6.0/enterprise/webapps/workspace/img/`.
- b) Locate the key that corresponds to the icon you need to change.

For a list of ALBPM WorkSpace icons, see [ALBPM WorkSpace Icons Reference](#) on page 42.

- c) Replace the value of this property for path of the new icon.

The value of the property is the text to the left of the equals sign (=).



**Note:** Avoid deleting properties while editing this file. Doing so can cause ALBPM WorkSpace to fail loading upon restart.

4. Repeat the previous step for all the icons you need you customize.

5. Edit `workspace.properties` file.

6. Change the value of the property `fuego.workspace.imageBundleFile` to the name of the properties file.

7. Restart ALBPM web applications.

The next time you access ALBPM WorkSpace the new set of icons is used.

## Reasons for Customizing ALBPM WorkSpace Icons

Customizing ALBPM WorkSpace icons can improve its usability and adapt it to the needs of the end users.

Some of the most common reasons for replacing one or more of the default icons are:

- The meaning of symbols and colors can change between different cultures or different organizations. To communicate with end users more effectively, you may need to change the icons.
- ALBPM WorkSpace users expect a particular user to designate a specific action. Making ALBPM WorkSpace consistent in its use of icons makes it more intuitive and reduces the time needed to learn how to use it.
- You have customized the ALBPM WorkSpace color scheme and you want the colors of your icons to match it.

## ALBPM WorkSpace Icon Customization Mechanism

ALBPM WorkSpace application retrieves the icon images based on the information contained in a properties file.

The location of this properties file is defined by the value of the property `fuego.workspace.imageBundleFile` in the ALBPM WorkSpace configuration file.

The location for the images that correspond to the default icon set is defined in the properties file

`ImagesBundleSet1.properties` located under

`ABPM_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF/classes`. This file contains a set of key/value pairs, where the key is a String that identifies a certain icon and the value is the filepath to the image for that icon. The application uses the key to find the path to the image file used for each of its icons.

The images files that make up the default set of icons are stored in the directory

`ABPM_HOME/albpm6.0/enterprise/webapps/workspace/img`. When replacing default icons you can choose to store the new icons in the same directory where default icons are stored, or you can create a new directory for that purpose. You should place the directory for storing icon images under

`ABPM_HOME/albpm6.0/enterprise/webapps/workspace/img`. The filepaths defined in the icon configuration properties file are relative to this directory.

## ALBPM WorkSpace Labels and Text Messages

ALBPM WorkSpace comes with a predefined set of labels and text messages. You can customize their wording.

The text used in ALBPM WorkSpace application can be divided into the following categories:

- Labels
- Text messages

Labels identify a graphical component, such as a text box or a button. Usually the text in labels is short and contains very few words.

Text messages provide feedback to the user about the actions they execute. The most common type of text messages are error messages and warnings.

## Customizing ALBPM WorkSpace Labels and Text Messages

ALBPM WorkSpace provides a mechanism to customize labels and text messages. The following procedures show you how to redefine one or more labels and or text messages.

These procedures require the edition of ALBPM WorkSpace configuration file `workspace.properties` in `BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF`.

1. Create a properties file.
2. Open the properties file in a text editor.
3. Add a key value pair for each of the messages you need to customize.
  - The key should be one of the keys listed in [ALBPM WorkSpace Labels and Text Messages Reference](#) on page 48.
  - The value is the String you want ALBPM WorkSpace to display for the label or text message corresponding to the specified key.



**Note:** If the message needs to include input from the application it includes the string `%number`. The number corresponds to the number of inputs received by the message. When customizing messages that contain this string make sure you include it in the customized message.

For example, if you want to replace the String "Help" for "Help me" you need to add the following key value pair to the properties file: `Help=Help me`

4. Copy this file to `BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF/classes`.
5. Edit the ALBPM Workspace configuration file.
6. Add the key `fuego.workspace.customMessageBundle` and set its value to the name of the properties file, without the extension.

For example, to add the properties file `ModifiedMessages.properties`, you need to add the key value pair `fuego.workspace.customMessageBundle=ModifiedMessages` to ALBPM Workspace configuration file.

7. Restart ALBPM web applications.

The next time you access ALBPM Workspace, it uses the messages you defined in the properties file.

## Reasons for customizing ALBPM WorkSpace Labels and Text Messages

Customizing ALBPM WorkSpace labels and text messages can be used to improve its usability and adapt it to the needs of the end user.

Some of the most common reasons for customizing either labels, or text messages, or both, are:

- The word used for a certain action has a different meaning in the context of your organization.

- Other applications in your organization use a certain word for labeling an action and you want ALBPM Workspace to follow that same standard, so that users find it more intuitive.
- You want to change the tone of the messages, either by making it more familiar, or more formal.
- You want to add additional relevant information to error messages, such as the system administration contact information.

## ALBPM WorkSpace Customization for Labels and Text Messages

ALBPM WorkSpace uses a default set of labels and text messages, which you can customize.

By default, customization for labels and text messages is not enabled. If the property `fuego.workspace.customMessageBundle` is not present in the ALBPM WorkSpace configuration file, ALBPM WorkSpace uses a default set of labels and text messages.

The customized text for labels and text messages is defined in a properties file located under `BEA_HOME/albpm 6.0/enterprise/webapps/workspace/WEB-INF/classes`.

ALBPM WorkSpace loads the contents of this file based on the property `fuego.workspace.customMessageBundle` in the ALBPM WorkSpace configuration file. The value of this property is the name of the properties file where you define the new values for all the messages you want to customize.

For all the messages whose key is included in the properties file, ALBPM WorkSpace displays the customized value. For the rest of the messages it uses the default value.

If the file specified in the ALBPM WorkSpace configuration file does not exist, ALBPM WorkSpace uses the default text for all labels and text messages.

## Look and Feel Localization

The look and feel customization may differ according to the language and culture of the ALBPM WorkSpace end users. You can localize the customization of the different elements that make up the look and feel.

Custom messages need to be translated if ALBPM WorkSpace users speak different languages. You might also need to use different colors, font-sizes and images that adapt to the culture of its users. The font-size usually needs to be changed according to the typography selected in the CSS file. It is advisable to define font one or two points larger for Asian characters.

### CSS Localization

By default, an ALBPM WorkSpace installation includes an English CSS files and separate CSS files for Japanese, Chinese and Korean. If ALBPM WorkSpace is used in any of these languages you should redefine the corresponding CSS. If ALBPM WorkSpace is used in a language different from English and you need to make adjustments to the style of that locale, you should add the CSS file that corresponds to that locale.

If there is no CSS defined for the locale ALBPM WorkSpace is running in, it uses the CSS defined for English. The CSS defined for English use the suffix `-en` or use no suffix. For example, although a French CSS file is named `customStyle-fr.css`, using an `-fr` suffix, the corresponding English CSS file would be named simply `customStyle.css`, without an `-en` suffix.

To localize CSS preferences, follow the procedure described in [Localizing ALBPM WorkSpace CSS](#) on page 16.

### Labels and Text Messages Localization

By default ALBPM WorkSpace supports the following languages:

- Chinese
- Deutsch
- Dutch



- English
- French
- Italian
- Japanese
- Korean
- Portuguese
- Spanish

To customize the labels and text messages for any of these languages, you define a message bundle for that locale. You can only customize the default supported languages, or a language you add. You must not use this mechanism to add a new language. To localize custom labels and text messages, follow the procedure described in [Localizing ALBPM WorkSpace Labels and Text Messages](#) on page 16.

### Images Localization

By default, ALBPM WorkSpace uses a single image set. You can, however, define an image set for a specific locale. If there is no image set defined for the locale ALBPM WorkSpace is running in, it uses the image set defined for English.

To localize ALBPM WorkSpace icons, follow the procedure described in [Localizing ALBPM WorkSpace Icons](#) on page 17.

## Localizing ALBPM WorkSpace CSS

You can define specific presentation preferences for a certain locale. The following procedure shows you how to define a style sheet for a specific locale.

To localize the preferences defined through CSS:

1. Create a copy of the CSS file defined by the property `fuego.workspace.stylesheet` in ALBPM WorkSpace configuration file, `workspace.properties` located in `BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF`.



**Note:** Make sure you leave the copied CSS file in the same directory where the original file is.

2. Rename the copied file adding to its name the suffix `-localeCode` that corresponds to the desired locale according to ISO-639.

For a complete list of the available codes, see <http://ftp.ics.uci.edu/pub/ietf/http/related/iso639.txt>.

For example, to localize French CSS file you should add the suffix `-fr` to the CSS file name. If the English customization file is named `customStyle.css` the French CSS file is named `customStyle-fr.css`.

3. Edit the new CSS file to modify presentation preferences.
4. Restart ALBPM web applications.

The next time you access ALBPM WorkSpace in the defined locale, it uses the properties defined in the new CSS file to render its presentation.

## Localizing ALBPM WorkSpace Labels and Text Messages

You can define custom labels and text messages for a certain locale. The following procedure shows you how to define custom labels and text messages for a specific locale.

To localize custom labels and text messages:

1. Create a copy of the properties file defined by the property `fuego.workspace.customMessageBundle` in ALBPM WorkSpace configuration file, `workspace.properties` located in `BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF`.



**Note:** Make sure you leave the copied properties file in the same directory where the original file is.



**Note:** If you do not need to customize English messages, then create an empty properties file following the procedure described in [Localizing ALBPM WorkSpace Labels and Text Messages](#) on page 16.



2. Rename the copied file adding to its name the suffix `_localeCode` that corresponds to the desired locale according to ISO-639.

For a complete list of the available codes, see <http://ftp.ics.uci.edu/pub/ietf/http/related/iso639.txt>.

For example, to localize French custom messages you should add the suffix `_fr` to the properties file name. If the English customization file is named `customMessages.properties` the French customization file is named `customMessages_fr.properties`.

3. Edit the new properties file to translate the custom messages to the corresponding locale.
4. Restart ALBPM web applications.

The next time you access ALBPM WorkSpace in the defined locale, it uses the defined custom labels and text messages.

## Localizing ALBPM WorkSpace Icons

You can replace some of the ALBPM WorkSpace icons for a certain locale. The following procedure shows you how to customize ALBPM WorkSpace icons for a specific locale.

To localize ALBPM WorkSpace icons:

1. Create a copy of the properties file defined by the property `fuego.workspace.imageBundleFile` in WorkSpace configuration file, `workspace.properties` located in `BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF`.



**Note:** Make sure you leave the copied properties file in the same directory where the original file is.

2. Rename the copied file adding to its name the suffix `_localeCode` that corresponds to the desired locale according to ISO-639.

For example, to localize icons for French language you should add the suffix `_fr` to the properties file name. If the English icons customization file is named `customIcons.properties` the French customization file is named `customIcons_fr.properties`.

For a complete list of the available codes, see <http://ftp.ics.uci.edu/pub/ietf/http/related/iso639.txt>.

3. Replace the standard icon for the new icon.
  - a) Copy the new icon to the directory `BEA_HOME/albpm6.0/enterprise/webapps/workspace/img/`.
  - b) Locate the key that corresponds to the icon you need to change.

For a list of ALBPM WorkSpace icons, see [ALBPM WorkSpace Icons Reference](#) on page 42.

- c) Replace the value of this property for path of the new icon.

The value of the property is the text to the left of the equals sign.



**Note:** Avoid deleting properties while editing this file, doing so can cause the ALBPM WorkSpace to fail loading upon restart.

4. Repeat the previous step for all the icons you need you customize for the corresponding locale.
5. Restart ALBPM web applications.

The next time you access ALBPM WorkSpace in the defined locale, it uses the defined custom icons.

# ALBPM WorkSpace Layout Customization

---

You can customize the ALBPM WorkSpace layout to meet the needs of end users.

You can define ALBPM WorkSpace layout at two levels:

- Individual layout customization

Each user can customize their layout. By default this option is not enabled. To enable it, follow the procedure described in [Enabling ALBPM WorkSpace Layout Edition](#) on page 19.

- ALBPM WorkSpace application default layout customization

You can set a default layout for all the users. To set a default layout, follow the procedures described in [Changing ALBPM WorkSpace Default Layout](#) on page 18.

## Reasons for Customizing ALBPM WorkSpace Layout

Customizing ALBPM WorkSpace layout can help you adapt it to the specific requirements of the end user. You can change the ALBPM WorkSpace layout by adding or removing panels, or by changing their position on the screen.

### When to Add New Panels

There are a number of occasions you may want to add new panels. For example, when you want to:

- Monitor several views at a glance. To do this, you would add multiple Work List panels.
- Group similar applications. To do this, you would add multiple Applications panels and configure them to show different subsets of applications. For example, you can show the applications related to a set of processes in one panel, and the applications related to a different subset of processes in a different panel.
- Monitor different business indicators simultaneously. To do this, you would add multiple Dashboard panels.

### When to Change the Position of Panels

You might need to change the position of panels:

- To adapt the ALBPM WorkSpace for the use in different cultures
- To increase the usability for left-handed users
- To make the ALBPM WorkSpace resemble the layout of an application the users are familiar with

### When to Remove a Panel

You can remove panels:

- To forbid the access to applications
- To restrict the user interaction to the Work List panel
- To minimize the amount of information on screen

## Changing ALBPM WorkSpace Default Layout

The following procedures show you how to change ALBPM WorkSpace default layout for all the users of the application.

To change ALBPM WorkSpace default layout:

1. Enable Studio WorkSpace layout edition.

For information on how to enable layout edition, see [Enabling ALBPM WorkSpace Layout Edition](#) on page 19.

2. Launch Studio WorkSpace and log in.

3. Click **Edit Mode On**.

This action is located in the upper right corner of the header.

4. Create the desired layout.

You can change the ALBPM WorkSpace layout by:

- adding new panels
- changing the position of panels
- removing panels

5. Export ALBPM WorkSpace preferences.

For information on how to export ALBPM WorkSpace preferences, see [Exporting ALBPM WorkSpace Preferences](#) on page 29.

6. Import ALBPM WorkSpace preferences into an Enterprise installation.

For information on how to import ALBPM WorkSpace preferences, see [Importing ALBPM WorkSpace Preferences](#) on page 29.

## Enabling ALBPM WorkSpace Layout Edition

Layout edition is disabled by default. The following procedure shows you how to enable it.

To enable layout edition you need to edit the ALBPM WorkSpace configuration file.

- For an Enterprise installation this file is located under `BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF`.
- For a Studio installation this file is located under `BEA_HOME/albpm6.0/studio/webapps/workspace/WEB-INF`.

1. Edit the ALBPM WorkSpace configuration file.

2. Set the value of the property `fuego.workspace.enableLayoutEdition` to `true`.

3. Restart ALBPM WorkSpace.

When you enter the ALBPM WorkSpace edit mode, the action to add panels is enabled. Each panel shows the actions to move and delete it.

## Adding a Panel

To configure ALBPM WorkSpace layout according to the requirements of the users, you can add new panels.

To add a panel you need to enable layout edition. For information about how to enable layout edition, see [Enabling ALBPM WorkSpace Layout Edition](#) on page 19.

To add a panel to the WorkSpace viewed by a certain user:

1. Log in to ALBPM WorkSpace.

2. Click **Edit Mode On**.

This action is located in the upper right corner of the header.

The action to add a new panel appears next to the **Logout** action.

3. Click **Add Panel**.

4. Select the type of the panel to add.

5. Click **Add**.

The new panel appears in edit mode so that you can configure it.

6. Turn ALBPM WorkSpace edit mode off.

The new panel is added to ALBPM WorkSpace.

## Changing the Position of a Panel

To meet user requirements, you can change the position of a panel.

To change the position of a panel you need to enable layout edition. For information about how to enable layout edition, see [Enabling ALBPM WorkSpace Layout Edition](#) on page 19.

To change the position of a panel:

1. Log in to ALBPM WorkSpace.

2. Click **Edit Mode On**.

This action is located in the upper right corner of the header.

The actions to move, configure and remove a panel appear on each of the panels that make up ALBPM WorkSpace.

3. Click on the arrows of the panel you want to move to change its position on the screen.

4. Turn ALBPM WorkSpace edit mode off.

## Removing a Panel

To configure the ALBPM WorkSpace layout according to the requirements of the user, you can remove panels.

To remove a panel you need to enable layout edition. For information about how to enable layout edition, see [Enabling ALBPM WorkSpace Layout Edition](#) on page 19.

To remove a panel from ALBPM WorkSpace:

1. Log in to ALBPM WorkSpace.

2. Click **Edit Mode On**.

This action is located in the upper right corner of the header.

The actions to move, configure and remove a panel appear on each of the panels that make up ALBPM WorkSpace.

3. Click **Remove** on the panel you want to remove.

4. Turn ALBPM WorkSpace edit mode off.

The new panel is removed from ALBPM WorkSpace for the logged in user.

# ALBPM WorkSpace Content Customization

---

The following section shows you how to customize ALBPM WorkSpace content and dynamically change the display preferences that it uses to render this content.

## Customizing the Work List and Applications Panel Content

You can change the information displayed by the Work List and Applications panels by assigning them a different default view or a custom view.

By default the Work List panel displays the Inbox view. The user can select an alternative view from the View panel.

To can change the default view, edit the panel preferences and select a different default view. The views available for selection are predefined and custom Instances Views.

By default the Applications panel shows all the available applications using the selected **Default Views Generation** option. You can show a subset of the available applications by selecting a different Application view.

There can be various reasons for changing the information it displays. For example, you may want to filter the displayed information, or, when adding new panels, you may want to configure each one to display different information.

You can change the content of the WorkList and Applications panel at two different levels:

- User level
- For all users

### User Level

If ALBPM WorkSpace layout edition is enabled, each user can configure the Work List panel or the Applications panels, or both, to display the information contained in a custom view.

To assign them a new view, follow the procedure described in [Changing the Content of the Work List or Applications Panel](#) on page 22.

### For All Users

You can define the content of either the Work List panel, or the Application panel, or both, in Studio WorkSpace and later apply this definition to all the users in an Enterprise installation.

The view assigned to a panel is part of the ALBPM WorkSpace preferences. So when you export ALBPM WorkSpace preferences this information is also included.

To change the default view of a panel for all the users in an Enterprise installation, follow the procedures described in [Changing the Default Content of the Work List and Applications Panels](#) on page 21.

## Changing the Default Content of the Work List and Applications Panels

The following procedures show you how to change the content of the Work List and Applications panel for all the users of an Enterprise installation.

To change the default content of the Applications or Work List panel in an Enterprise installation you need to publish and deploy the views that define the content of those panels.

To change ALBPM WorkSpace default panel content:

1. Enable Studio WorkSpace layout edition.

For information on how to enable layout edition, see [Enabling ALBPM WorkSpace Layout Edition](#) on page 19.

2. Launch Studio WorkSpace and log in.

3. Click **Edit Mode On**.

This action is located in the upper right corner of the header.

4. Edit either the Work List panel, or the Applications panel, or both, to change the content they display.

For information on how to do this, see [Changing the Content of the Work List or Applications Panel](#) on page 22.

5. Export ALBPM WorkSpace preferences.

For information on how to do this, see [Exporting ALBPM WorkSpace Preferences](#) on page 29.

6. Import WorkSpace preferences to your Enterprise installation.

For information on how to do this, see [Importing ALBPM WorkSpace Preferences](#) on page 29.

7. Re-start ALBPM WorkSpace.

## Changing the Content of the Work List or Applications Panel

The following procedure shows you how to assign a view to the Work List or Applications panels to change their content.

To change the content of the Work List panel or the Applications panel:

1. Log in to ALBPM WorkSpace.

2. Click **Edit Mode On**.

This action is located in the upper right corner of the header.

3. Click **Edit Mode On** on the panel you want to edit.

4. Select a view.

- Work List panels allows you to choose from default and custom Instances Views.
- Applications panels allows you to chose from default and custom Applications Views.

5. Click **Apply**.

6. Click **Edit Mode Off**.

7. Click **Edit Mode Off**.

This action is located in the upper right corner of the header.

The content of the edited panel corresponds to the one of the selected view.

## Adding a Work List Panel With Fixed Content

When you add a new Work List panel, the content it displays changes with the selected view in the Views panel. The following procedures show you how to add a Work List panel that displays the information contained in a certain view, regardless of the Views panel selection.

To add a panel with fixed content:

1. Add a Work List panel.

See [Adding a Panel](#) on page 19.

2. Select a view to determine its content.

See [Changing the Content of the Work List or Applications Panel](#) on page 22.

3. Click **Edit Mode On**.

This action is located in the upper right corner of the header.

4. Click **Edit mode on** on the new Work List panel.

5. Clear the selected panels from the **Listen to list**.

6. Click **Apply**.

7. Click **Edit mode off** on the new Work List panel.

8. Click **Edit Mode Off**.

This action is located in the upper right corner of the header.

The added panel displays the information of the selected view and does not change when the user makes a selection on the other panels.

## Customizing the Work List Panel Appearance

You can change the appearance of the rows and cells that make up the Work List panel, based on the instance information that corresponds to each row.

You might want to change the colors and fonts of a cell or a row to draw attention to instances that match a certain condition. ALBPM Workspace provides a Java interface that you can implement to achieve this.

This interface allows you to:

- Change the style of a row or a cell based on the instance information
- Change the HTML used to render the value of a certain variable

Each of the methods of this interface receives a parameter of the type `fuego.papi.InstanceInfo`, that contains information about the instance. You can obtain instance information from this object, and based on it render the rows, cells or external variables values.

For information on how to compile and register this class, see [Changing the Appearance of Work List Panels Based on the Instance Information](#) on page 23.

For a reference of the `WorkListDecorator` interface, see [Interface WorkListDecorator Reference](#) on page 40.

### Changing the Style of a Cell or a Row Based on the Instance Information

The following list shows examples of situations where you might need to change the style of a row or a cell:

- To display a red background for all instances that are overdue
- To decrease the font size of the Description field to accommodate long descriptions
- To change the font color for unassigned instances

To change the style of a cell you must implement the method `getCellStyle` of the interface `WorkListDecorator`.

To change the style of a row you must implement the method `getRowStyle` of the interface `WorkListDecorator`.

These two methods return a String containing a CSS inline style. This style is used to render the corresponding cell or row.

### Changing How a Value is Rendered

The interface `WorkListDecorator` provides a method that returns the HTML used to render the value of a variable.

Being able to change the HTML allows you not only to use an icon to display the value of the external variables, but you could also add the HTML code to add a button that looks up the content of the variable in a search engine.

To change the HTML used to render the value of a variable, you must implement the method `getValue` of the interface `WorkListDecorator`.

## Changing the Appearance of Work List Panels Based on the Instance Information

ALBPM Workspace 6.0 supports the customization of cells based on the instance information. The following procedure shows you how to customize the information displayed in the Work List, based on the instance information.

To follow this procedure you need to have a Java SE Development Kit 1.5 (JDK 1.5) installed.

To customize the appearance of the information displayed in the Work List panel:

1. Create a Java class that implements the interface `workspace.model.view.WorkListDecorator`.

- a) Add the JAR files `fuego.workspace.jar` and `fuegopapi-client.jar` to the CLASSPATH.

The following table shows the location of these JAR files:

JAR File	Location
<code>fuego.workspace.jar</code>	<code>BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF/lib</code>
<code>fuegopapi-client.jar</code>	<code>BEA_HOME/albpm6.0/enterprise/client/papi/lib/fuegopapi-client.jar</code>

- b) Create a Java class that implements the interface `workspace.model.view.WorkListDecorator`.

For a complete reference of this interface, see [Interface WorkListDecorator Reference](#) on page 40.

- c) Compile the class created in the previous step.

You must compile this class with JDK 1.5.

2. Copy the compiled class to the directory `ALBPM_HOME/albpm6.0/webapps/workspace/WEB-INF/classes`.

If your class is distributed in a package, you need to create a JAR file and copy it to

`BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF/lib`.

3. Edit the ALBPM WorkSpace configuration file, `workspace.properties` located under

`ALBPM_HOME/albpm6.0/webapps/workspace/WEB-INF`.

4. Add the key `fuego.workspace.worklist.styleResolverClassname` and set the value of this property to the fully qualified name of the class created in the previous steps.

For example, to use the class `customization.CustomdWorkListDecorator`, you need to add the key value pair `fuego.workspace.worklist.styleResolverClassname=customization.CustomWorkListDecorator`.

The next time you start up ALBPM WorkSpace it displays the value of this column with the specified customization.

## WorkListDecorator Implementation Example

The following example changes the instance reception date, so that if it was received today it shows the word "Today" with an icon, and the relative time. It also shows a red background for those instances that have a high priority.

The following class implements the interface `fuego.workspace.model.view.WorkListDecorator`.

It implements the method `getRowStyle()` so that the background color of the row changes to red if the instance has a high priority.

The method `getCellStyle()` returns null because this example does not change the style for any cell.

It also implements the method `getValue` so that if the arrival date is today, it displays the word today and an icon. In this case instead of showing the arrival time, it displays how many hours and minutes have passed since its arrival.

The `getValue()` method checks that the `viewId` corresponds to the Inbox View to ensure that only those Work List panels that display the information of this view use this display setting. This is useful when you have multiple Work List portlets displaying different views. The other reason to check the view is to ensure that the variable you use to determine the display preferences exists.



**Note:** When implementing any of these methods make sure that the variable you are using to determine the display properties exists and its value is not null.

```
import fuego.lang.Interval;
import fuego.lang.Time;
import fuego.papi.InstanceInfo;
import fuego.papi.Presentation;
import fuego.papi.Priority;
import fuego.papi.VarDefinition;
import fuego.papi.View;
```



```

import fuego.workspace.model.view.WorkListDecorator;

import java.util.Locale;

public class CustomWorkListDecorator
    implements WorkListDecorator {

    public String getRowStyle(String viewId, InstanceInfo instanceInfo, int rowIndex)
    {
        return instanceInfo.getPriority() == Priority.HIGHEST ?
"background-color:IndianRed" : null;
    }

    public String getCellStyle(String viewId, InstanceInfo instanceInfo,
        Presentation.Column column, int rowIndex) {
        return null;
    }

    public String getValue(String viewId, InstanceInfo instanceInfo,
Presentation.Column column,
        Locale locale, String currentValue, int rowIndex) {
        String result = currentValue;

        if (View.INBOX_DEFAULT_ID.equals(viewId)) {

            if (column.getId().equals(VarDefinition.RECEIVED_ID)) {
                Time receptionTime = instanceInfo.getReceptionTime();
                Time today = Time.now();
                if (receptionTime.getDate().equals(today.getDate())) {
                    Interval relativeTime = Time.sub(today, receptionTime);
                    int relativeHours = relativeTime.getHoursOnly();
                    int relativeMinutes = relativeTime.getMinutesOnly();
                    String relativeTimeString = relativeHours > 0 ? relativeHours
+ " h " + relativeMinutes + " m" :
                        relativeMinutes + " m";
                    result = "<table><tr><td nowrap class=bpmWorkspaceNormalText>"
+
                        "<img src='/workspace/img/time.gif'/> Today " +
                        "(" + relativeTimeString + " ago)</td></tr></table>";
                }
            }

            return result;
        }
    }
}

```

## Panel Interaction Customization

---

ALBPM WorkSpace panels interact with each other by triggering updates on user selection. WorkSpace default panels come with a default configuration that determines how they interact with each other. You can modify this configuration to achieve a certain behaviour.

By default ALBPM WorkSpace panels interact in the following way:

- Selecting a view in the View panel triggers an update on the Work List panel content.
- Selecting an instance in the Work List panel triggers an update on the Instance Detail panel.

If you use ALBPM WorkSpace with the default set of panels, generally there is no need to change the default configuration. But if you add panels to the default configuration then you probably need to configure their interaction with the rest of the panels. For example, if you add a second Work List panel it makes no sense that both of them react to the View panel selection. Instead you might configure one of them to ignore the View panel selection and display a specific view.

To change or remove the panel that triggers the update, you can configure it by following the procedure described in [Configuring Panel Interaction](#) on page 27

## Configuring ALBPM WorkSpace Default Panel Interaction

The following procedure shows you how to change ALBPM WorkSpace default panel interaction for all the users of the application.

To change ALBPM WorkSpace default panel interaction:

1. Enable Studio WorkSpace panel interaction configuration.  
For information on how to enable panel interaction configuration, see [Enabling Panel Interaction Configuration](#) on page 26.
2. Launch Studio WorkSpace.
3. Log in to Studio WorkSpace.
4. Click **Edit Mode On**.  
This action is located in the upper right corner of the header.
5. Configure the interaction of the panels.  
For information on how to configure panel interaction, see [Configuring Panel Interaction](#) on page 27.
6. Export ALBPM WorkSpace preferences.  
For information on how to export ALBPM WorkSpace preferences, see [Exporting ALBPM WorkSpace Preferences](#) on page 29.
7. Import ALBPM WorkSpace preferences into an Enterprise installation.  
For information on how to import ALBPM WorkSpace preferences, see [Importing ALBPM WorkSpace Preferences](#) on page 29

## Enabling Panel Interaction Configuration

Panel interaction configuration is disabled by default. The following procedure shows you how to enable it.

To enable panel interaction configuration you need to edit the ALBPM WorkSpace configuration file.

- For an Enterprise installation this file is located under  
BEA\_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF.
  - For a Studio installation this file is located under BEA\_HOME/albpm6.0/studio/webapps/workspace/WEB-INF.
1. Edit the ALBPM WorkSpace configuration file.
  2. Set the value of the property `fuego.workspace.enableConfigurableListenerMode` to `true`.
  3. Restart ALBPM WorkSpace.

When you edit the display properties of a panel it displays a list of panels to listen to.

## Configuring Panel Interaction

You can change the way panels interact with each other. The following procedure shows you how to configure a panel so that it reacts to the changes in another panel.

To follow this procedures you need to enable the following:

- Panel interaction. For information on how to enable panel interaction, see [Enabling Panel Interaction Configuration](#) on page 26.
- Layout edition. For information about how to enable layout edition, see [Enabling ALBPM WorkSpace Layout Edition](#) on page 19.

1. Log in to ALBPM WorkSpace.
2. Click **Edit Mode On**.  
This action is located in the upper right corner of the header.
3. Click **Edit Mode On** on the panel whose content you want to update.
4. Select the panel or panels that trigger the update from the **Listen to** list.
5. Click **Apply**.
6. Click **Edit Mode Off**.
7. Click **Edit Mode Off**.

This action is located in the upper right corner of the header.

When the user selects or modifies the selected panel, it triggers the update of the edited panel.

## Configuring ALBPM WorkSpace to Show Interactive Executions in Instance Detail Panel

By default ALBPM WorkSpace displays interactive executions in a dialog window. The following procedure shows you how to configure ALBPM WorkSpace to show interactive executions in the instance detail panel.

1. Log in to ALBPM WorkSpace.
2. Click **Edit Mode On**.  
This action is located in the upper right corner of the header.
3. Click on **Edit Mode On** on the Work List panel.
4. Select **Broadcast Event** as the **Execution Type**.
5. Click **Apply**.
6. Click on **Edit Mode Off** on the Work List panel
7. Click **Edit Mode Off**.

This action is located in the upper right corner of the header.

ALBPM WorkSpace displays interactive executions in the Instance Detail panel.

## ALBPM WorkSpace Preferences

---

To change the layout and the behaviour of ALBPM WorkSpace in an Enterprise installation, you need to define them in Studio WorkSpace, export them and in turn import them into an Enterprise installation.

For more information on how to import ALBPM WorkSpace preferences, see [Importing ALBPM WorkSpace Preferences](#) on page 29.

ALBPM WorkSpace preferences contain:

- ALBPM WorkSpace layout
- The panels preferences

When you export ALBPM WorkSpace preferences they are stored in an XML file. You must not modify this file manually. If you need to make changes, make them in Studio WorkSpace and export the preferences again.

For more information on how to export ALBPM WorkSpace preferences, see [Exporting ALBPM WorkSpace Preferences](#) on page 29.

## Exporting ALBPM WorkSpace Preferences

You can configure ALBPM WorkSpace behaviour and layout options using Studio WorkSpace and export these preferences. You can later import these preferences into an Enterprise installation.

To export ALBPM WorkSpace preferences:

1. Log in to ALBPM Studio WorkSpace.
2. Click **Edit Mode On**.

This action is located in the upper right corner of the header.

The action **Export Preferences** appears next to the **Edit Mode Off** action.

3. Click **Export Preferences**.



**Note:** This action uses pop-up windows. Make sure your browser is configured to allow pop-up windows otherwise the file browser does not display.

4. Save the file `preferences.xml` to disk.

The file `preferences.xml` that contains the behavior and layout preferences is saved to disk.



**Note:** For information on how to import these preferences into an Enterprise installation, see [Importing ALBPM WorkSpace Preferences](#) on page 29.

## Importing ALBPM WorkSpace Preferences

You can define layout and behavior preferences using Studio and export them to set them as the default preferences in an Enterprise installation.

The following procedure shows you how to import preferences in an Enterprise installation.

To do this you need to edit the ALBPM WorkSpace configuration file `workspace.properties` in `BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF`.

1. Copy the exported preferences file to the directory  
`BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF`.
2. Edit the ALBPM WorkSpace configuration file.
3. Add the key `fuego.workspace.preferences.defaultXml` and set its value to the path leading to the preferences file.  
The path of the preferences file is relative to the root of ALBPM Workspace application.  
For example, to use the preferences stored in the file `preferences.xml` you need to add the following key value pair: `fuego.workspace.preferences.defaultXml=/WEB-INF/preferences.xml`
4. Restart ALBPM WorkSpace application.

The next time you log in to ALBPM WorkSpace, it uses the layout and behavior defined in the imported preferences.

# ALBPM WorkSpace Customization Reference

The following sections contain the reference information needed to successfully execute the procedures described in this guide.

## ALBPM WorkSpace Configuration File Reference

This reference describes the key-value pairs contained in ALBPM WorkSpace configuration file. ALBPM WorkSpace configuration file is a properties file `workspace.properties` located in the directory

`BEA_HOME/albpm6.0/enterprise/webapps/workspace/WEB-INF`

### Directory Settings

Property Key	Default Value	Possible Values	Description
fuego.workspace.DIRECTORY_ID	"default"	A valid directory ID.	The directory ID that identifies the directory ALBPM WorkSpace connects to.
remote.config.url	Specifies a remote location for the directory configuration file.	N.A.	A valid remote location URL.
fuego.workspace.container-auth.directory.preset	null	A valid PRESET ID.	The PRESET ID WorkSpace uses to authenticate against the servlet container.

### ALBPM WorkSpace Settings

Property Key	Default Value	Possible Values	Description
fuego.workspace.debug	false	<ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>	Enables debug mode.
fuego.workspace.debuggerPort	9007	An available port number.	WorkSpace HTTP debugger port.
fuego.workspace.sessionTimeOut	Servlet container default time out	A positive value.	Specifies the timeout period in seconds, between client requests.

### Logging

Property Key	Description
fuego.log.workspace.severities	See <a href="#">Log Severity Levels</a> on page 34
fuego.log.workspace.detailLevel	The detail level filters messages that correspond to the same severity. It can vary from 1 to 10. The default detail level is 5.

Property Key	Description
fuego.log.workspace.file	The location where the log files are stored. <ul style="list-style-type: none"> <li>Studio default location: BEA_HOME/albpm6.0/studio/log/workspace.log</li> <li>Enterprise default location: BEA_HOME/albpm6.0/edition/log/workspace.log</li> </ul>
fuego.log.workspace.format	Defines the format of the information of the first line of a log entry.
fuego.log.workspace.continuationFormat	Defines the format of the information of the lines that follow the first line in a log entry.

### Process Execution Properties

Property Key	Default Value	Possible Values	Description
fuego.workspace.execution.performNextActivity	false	<ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>	If the current activity has the autocomplete property set to true, execute the next activity if the current user has the required role to do so.
fuego.workspace.execution.waitForAutomatics	3000	A positive value.	Waiting time for Automatic activities in a screenflow in milliseconds. If an activity exceeds this time, the screenflow is aborted.
fuego.workspace.execution.external.newWindow	true	<ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>	Display external activities in a pop up window.

### Process API Settings

Property Key	Default Value	Possible Values	Description
fuego.workspace.papi.instancesCacheSize	200	A positive value.	Number of instances in PAPI cache.

### Single Sign On

Property Key	Default Value	Possible Values	Description
fuego.workspace.enableSSO	false	<ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>	Enables Single Sign On (SSO).
fuego.workspace.SSOloginClassName	N.A.	A class implementing <code>SSOWorkspaceLoginInterface</code> interface.	Custom SSO class full name. This class must implement <code>fuego.workspace.security.SSOWorkspaceLoginInterface</code>
fuego.workspace.beanhelperclassName	fuego.workspace.adapter.DefaultWorkspaceBeanHelper	A class implementing <code>WorkspaceBeanHelper</code> interface.	ALBPM WorkSpace bean helper. This class should implement the interface <code>fuego.workspace.adapter.WorkspaceBeanHelper</code> .



## ALBPM Workspace Customization

Property Key	Default Value	Possible Values	Description
fuego.workspace.stylesheet	N.A.	A valid CSS file name.	CSS file that defines ALBPM Workspace style.
fuego.workspace.imageBundleFile	N.A.	A valid image bundle file name.	Image bundle file.
fuego.workspace.jspBundleFile	N.A.	A valid JSP bundle file name.	JSP bundle file.
fuego.workspace.helpBundleFile	N.A.	A valid help bundle file name.	Help bundle file.
fuego.workspace.customMessageBundle	none	A valid message bundle file name.	Custom messages bundle file.
fuego.workspace.enableEditMode	true	<ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>	Enables ALBPM Workspace edition mode.
fuego.workspace.enableConfigurableListenerMode	false	<ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>	Enables ALBPM Workspace listeners configuration.
fuego.workspace.enableLayoutEdition	false	<ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>	Enables ALBPM Workspace layout edition.
fuego.workspace.worklist.styleResolverClassname	null	A class implementing <code>WorkListDecorator</code> interface.	Custom Work List panel decorator. For more information, see <a href="#">Changing the Appearance of Work List Panels Based on the Instance Information</a> on page 23.
fuego.workspace.attachments.contentLength	12	A positive value.	Length of the description and filename column in the Attachments table, in characters.
fuego.workspace.processImageTheme	BPMN	<ul style="list-style-type: none"> <li>Classic BPMN</li> <li>BPMN</li> <li>ColorBPMN</li> <li>BusinessAnalyst</li> <li>UML</li> </ul>	Theme used to display process images and activity icons.
fuego.workspace.defaultExecutionType	DIALOG	<ul style="list-style-type: none"> <li>DIALOG</li> <li>POPUP</li> </ul>	Default execution type for Applications and Work List panels.
fuego.workspace.executionDialog.width	500	A positive value.	Execution dialog width in pixels.
fuego.workspace.executionDialog.height	600	A positive value.	Execution dialog height in pixels.
fuego.workspace.popupWindows.width	800	A positive value.	Execution popup width in pixels.
fuego.workspace.popupWindows.height	600	A positive value.	Execution popup height in pixels.
fuego.workspace.search.rolePolicyScopes	ALL	<ul style="list-style-type: none"> <li>ALL</li> <li>ALL_IN_ROLE</li> </ul>	Defines the ALBPM Workspace search scope policy. Multiple policies are separated

Property Key	Default Value	Possible Values	Description
fuego.workspace.execution.ajax.enabled	true	<ul style="list-style-type: none"> <li>PARTICIPANT_ROLES</li> <li>PARTICIPANT</li> </ul>	with commas. The first value is WorkSpace default selection.
fuego.workspace.views.editable	true	<ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>	Enables AJAX execution for interactive components.
fuego.workspace.views.editable	true	<ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>	Enables Views edition.
fuego.workspace.auditTrail.processImageOrientation	N.A.	<ul style="list-style-type: none"> <li>VERTICAL</li> <li>HORIZONTAL</li> </ul>	Orientation of the audit trail process image.

### RSS Feeds Application

Property Key	Default Value	Possible Values	Description
fuego.workspace.feedUrlGuessing	false	<ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>	Enables URL guessing for the RSS Feeds application.
fuego.workspace.feedUrl	N.A.	A valid RSS URL.	RSS feed URL. You need to define this if URL guessing is disabled.

### ALBPM WorkSpace Extension Settings

ALBPM WorkSpace Extension wizard uses the following properties to store configuration properties. You must not modify them manually.

- fuego.workspace.imageServer
- fuego.workspace.enableWE
- fuego.workslace.collaboration.supportedLanguages

### Log Severity Levels

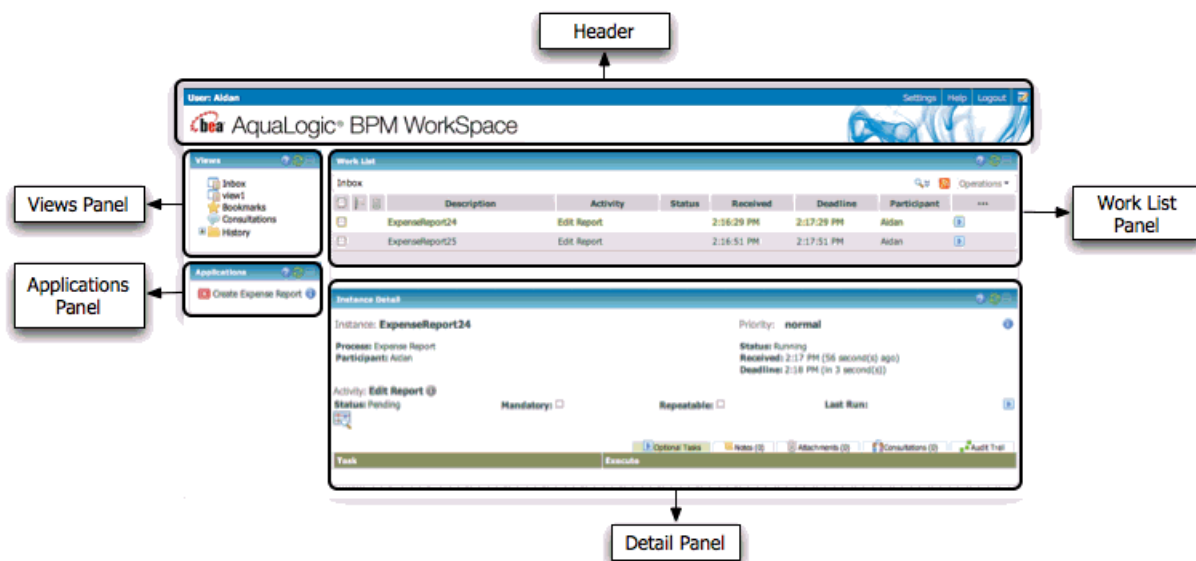
AquaLogic BPM allows you to define logging levels to specify the level of detail of the information stored in the ALBPM logs.

Log Level	Description
Fatal	Specifies a serious error that may cause the application to fail.
Severe	Specifies a serious error that may or may not cause the application to fail.
Warning	Specifies a potentially harmful situation but generally does not pose a threat to the stability of an application.
Info	<p>Specifies informational messages that highlight the progress of the application at a high level. These can include:</p> <ul style="list-style-type: none"> <li>Changes in the engine state, including: start, stop, and restart.</li> <li>Changes in state of engine services.</li> <li>Changes in engine properties.</li> </ul>

Log Level	Description
Debug	<ul style="list-style-type: none"> <li>Changes in the state of a process deployed on the engine, including: startup, deployment, redeployment, and deprecation.</li> <li>Actions of participants</li> <li>Work executed by the engine automatically.</li> </ul> <p>Specifies informational messages that highlight the process instances at a lower level. These can include:</p> <ul style="list-style-type: none"> <li>Tracing a process instance, including: instance creation, changing activities, routing, and locks.</li> <li>Changes in the state of an instance, including: running, selection, activity completion, and exceptions.</li> <li>Actions on a process, including: executing a task, executing an activity, and executing a ToDo Item.</li> </ul>

## ALBPM WorkSpace Panels

The following diagram shows the type of the panels that compose ALBPM WorkSpace.



## CSS Reference

The following section contains the references of the CSS classes that each of the ALBPM WorkSpace panels uses.

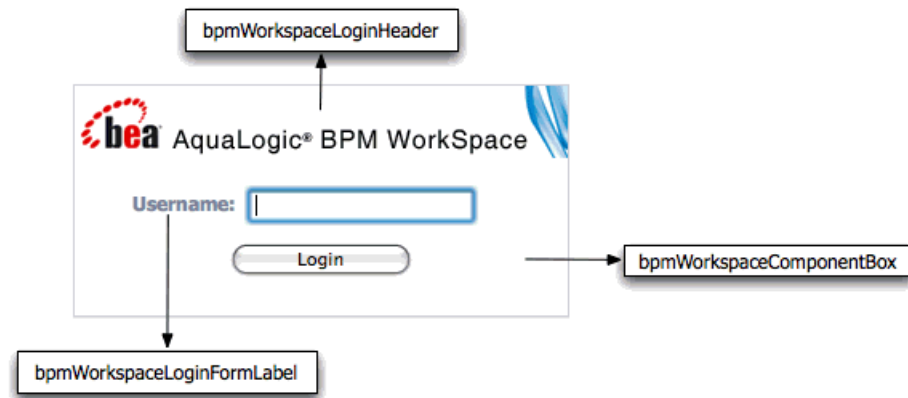
These classes are defined in ALBPM WorkSpace CSS file. The default CSS file is located in `BEA_HOME/albpm6.0/enterprise/webapps/workspace/css/bpmworkspace.css`.

The classes that compose this CSS are standard CSS classes. The style definition of each class consists of standard CSS properties.

## ALBPM WorkSpace Login Screen CSS Classes

The following diagram shows the IDs of the CSS classes used to render the different components of the login screen.

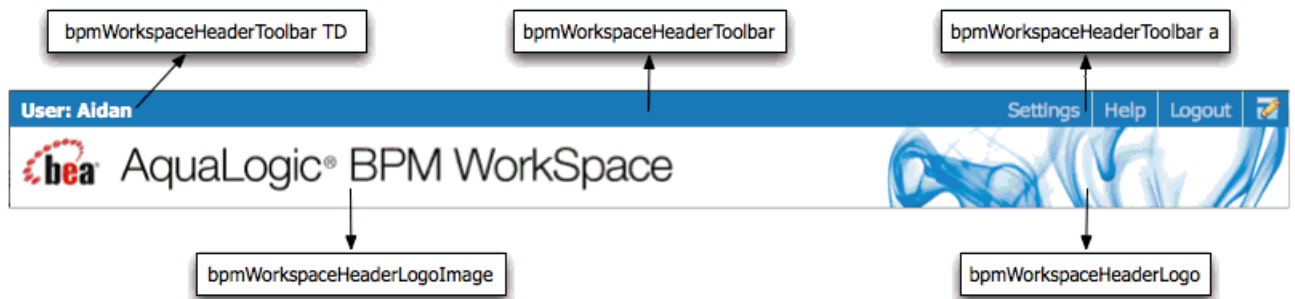
To change the appearance of the login screen, follow the procedures described in [Customizing ALBPM WorkSpace Login Screen](#) on page 9.



## ALBPM WorkSpace Header CSS Classes

The following diagram shows the IDs of the CSS classes used to render the different components of the header.

To change the appearance of the header, follow the procedures described in [Customizing ALBPM WorkSpace Login Screen](#) on page 10.



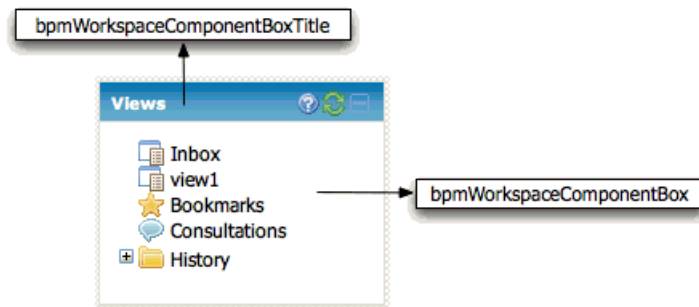
## ALBPM WorkSpace Panels CSS Reference

The following section contains diagrams that show the CSS classes used to render the elements that make up ALBPM WorkSpace panels.

To change the default CSS file, follow the procedure described in [Changing ALBPM WorkSpace Default CSS File](#) on page 8.

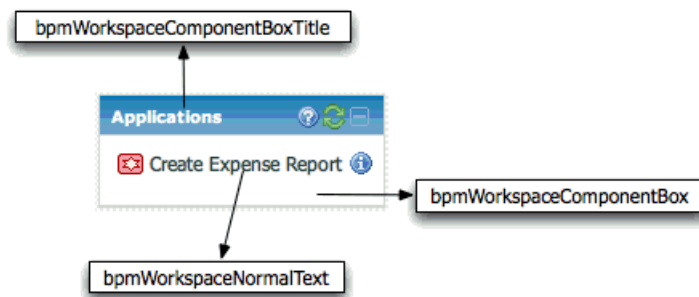
### Views Panel CSS Classes

This diagram shows the IDs of the CSS classes used to render the content of the Views panel.



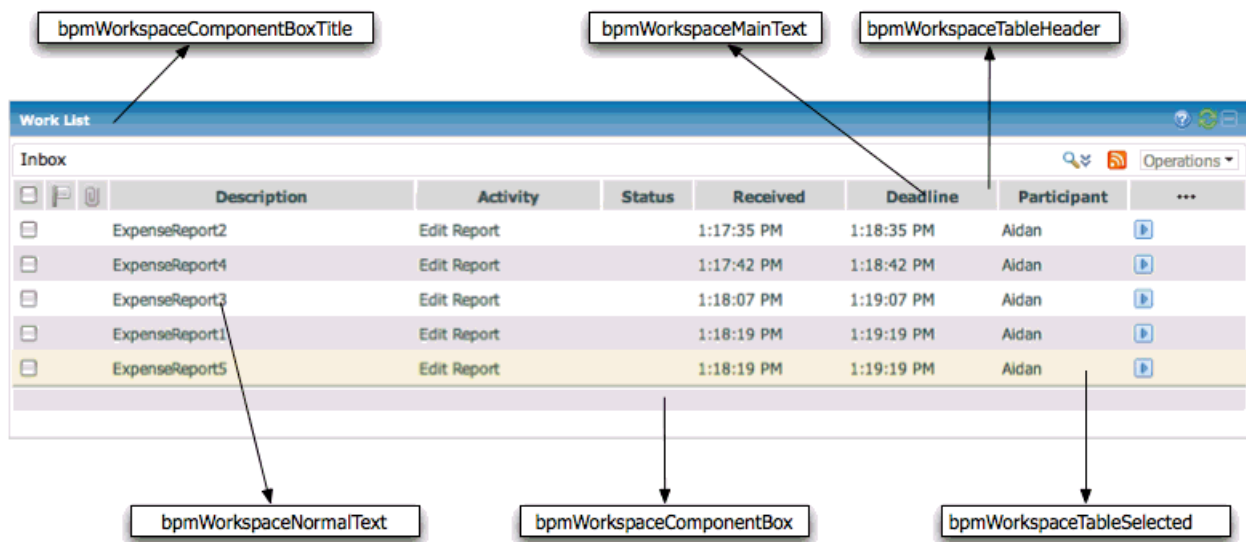
### Applications Panel CSS Classes

This diagram shows the IDs of the CSS classes used to render the content of the Applications panel.



### Work List Panel CSS Classes

This diagram shows the IDs of the CSS classes used to render the content of the Work List panel.



### Instance Detail Panel CSS Classes

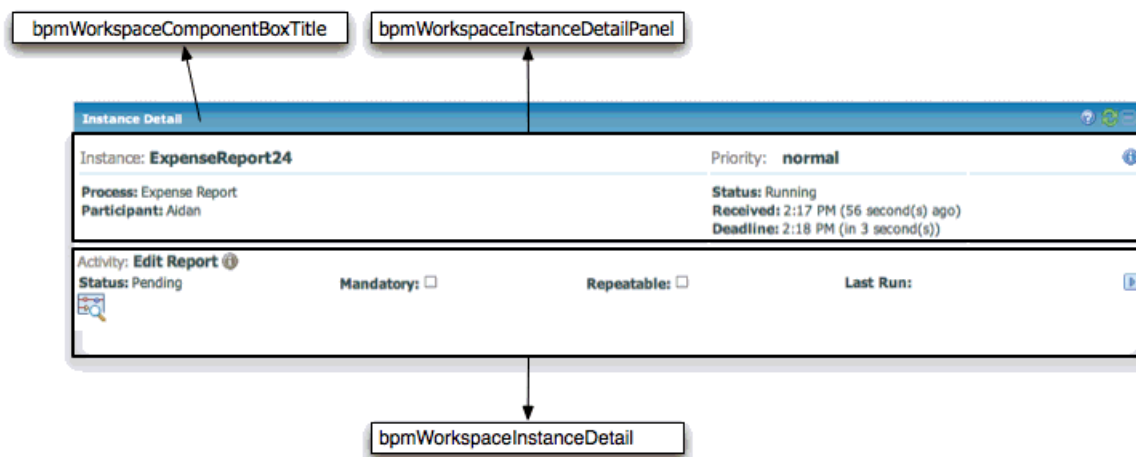
This section shows the CSS classes used to render the information displayed in the Instance Detail panel.

The Instance Detail panel is divided into two parts. The upper part contains information about the instance. The lower part contains a tab panel. Each tab contains a table that shows information about one of the following:

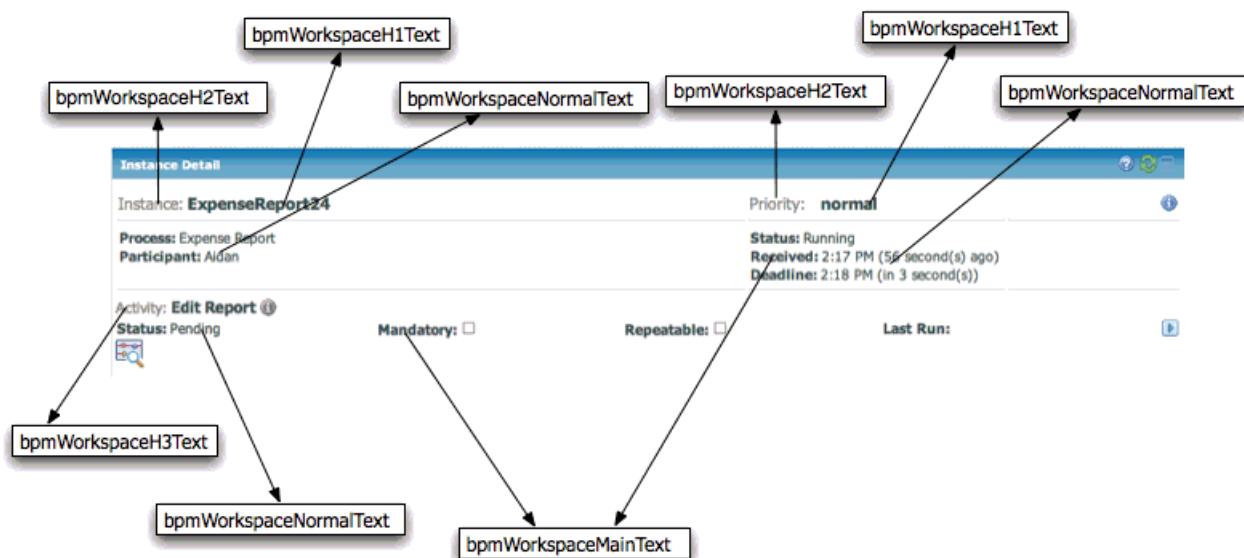
- Optional Tasks
- Notes

- Attachments
- Consultations
- Audit Trail

The following diagram shows the IDs of the CSS classes that define the colors of the upper part of the instance detail panel, where the instance information is displayed.

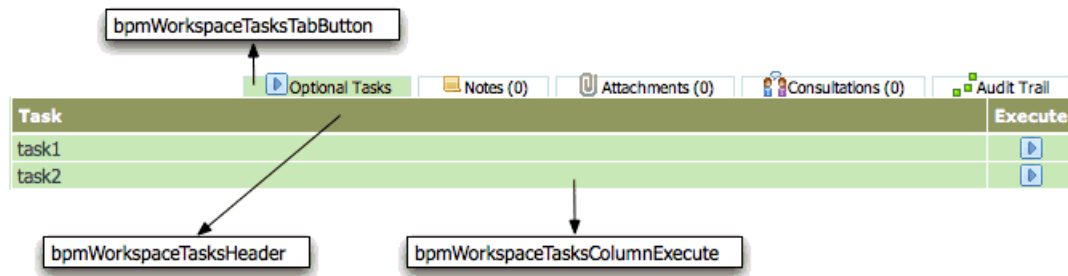


The following diagram shows the IDs of the CSS classes that define the fonts used to display the instance information.



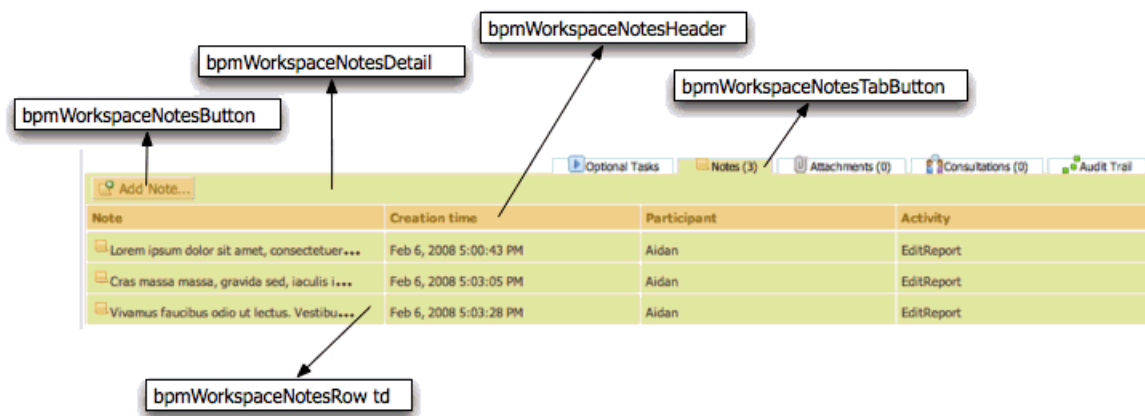
### Instance Detail Tasks Table

The following diagram shows the IDs of the CSS classes used to render the table that displays the optional tasks for the selected instance.



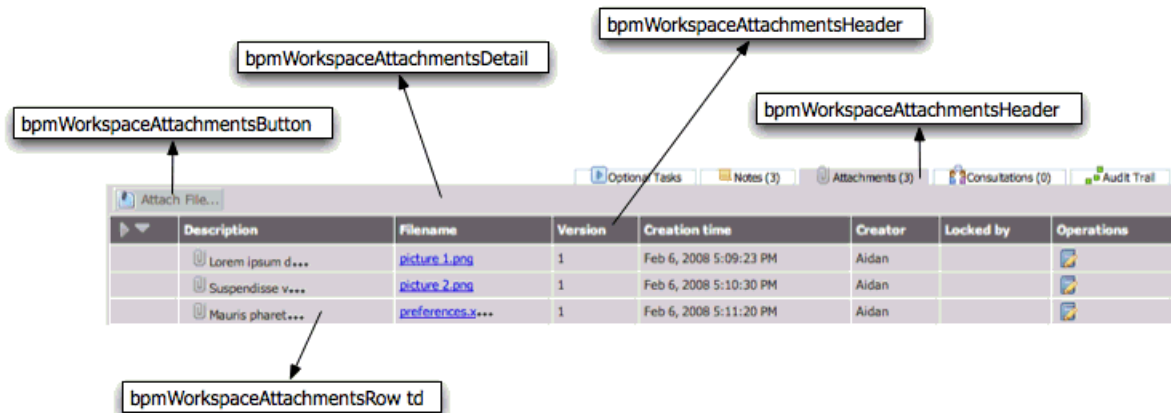
### Instance Detail Notes Table

The following diagram shows the IDs of the CSS classes used to render the table that displays the notes for the selected instance.



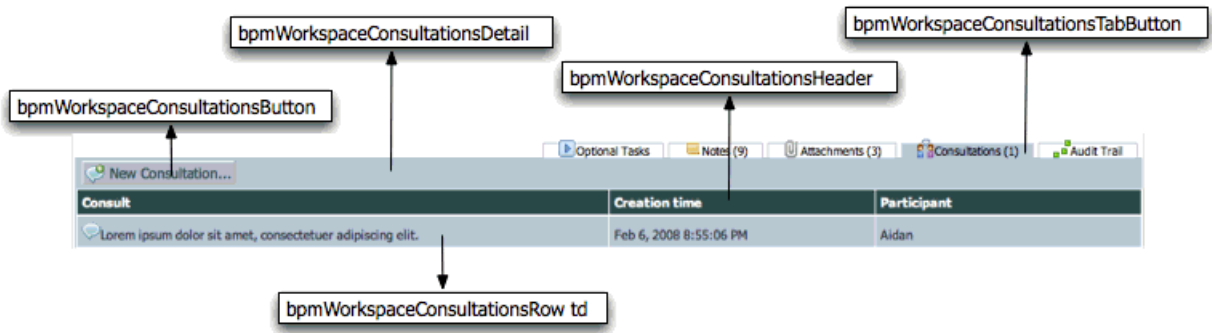
### Instance Detail Attachments Table

The following diagram shows the IDs of the CSS classes used to render the table that displays the attachments for the selected instance.



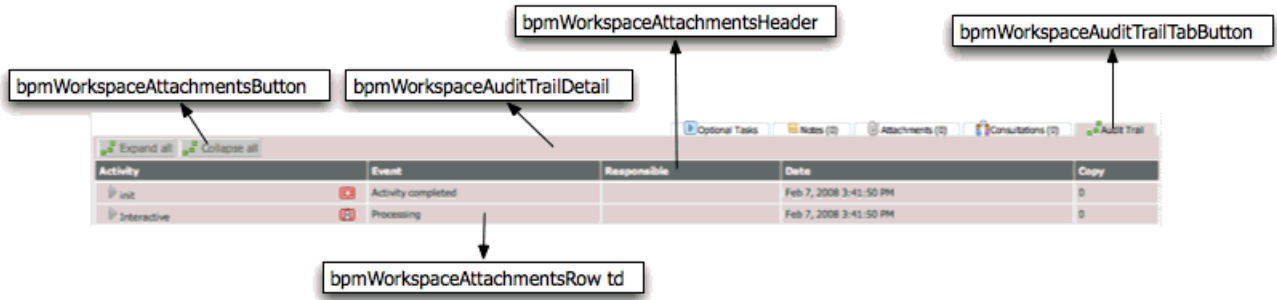
### Instance Detail Consultations Table

The following diagram shows the IDs of the CSS classes used to render the table that displays the consultations for the selected instance.



Instance Detail Audit Trail Table

The following diagram shows the IDs of the CSS classes used to render the table that displays the audit trail for the selected instance.



Interface WorkListDecorator Reference

You need to implement this interface to customize the appearance of the rows and/or cells in the Work List panel table. The class implementing this interface should contain the logic to decide how to render a row or a cell in the Work List panel. This logic is based on the instance information. The methods `getCellStyle()` and `getCellValue()` define how cells are rendered. The method `getRowStyle` defined the style used to render a complete row.

```
fuego.workspace.model.view.WorkListDecorator
```

getCellStyle()

Returns a `String` containing the CSS inline style to render the cell of the given column and row. If the return value is null the cell is rendered with ALBPM WorkSpace default style.

```
java.lang.String getCellStyle(java.lang.String viewId, fuego.papi.InstanceInfo instanceInfo, fuego.papi.Presentation.Column column, int rowIndex)
```

Example

The following `String` is an example of a valid return value:

```
"border:1px solid black;"
```

Parameters

- viewId - The view ID of the view assigned to the Work List Panel that is being rendered.
- instanceInfo - The `InstanceInfo` object that represents the intance being rendered.



- `column` - The `Presentation.Column` object that represents the column being rendered.
- `rowIndex` - The index of the row being rendered.

### Returns

The CSS inline style for the cell of the given column and row.

## getValue()

Returns the HTML for the given cell value. If the method returns NULL the original value will be rendered

```
java.lang.String getValue(java.lang.String viewId, fuego.papi.InstanceInfo instanceInfo,
fuego.papi.Presentation.Column column, java.util.Locale locale, java.lang.String
originalValue, int rowIndex)
```

### Note

If you need to include an image in the HTML you should copy the image to the directory `BEA/albpm6.0/enterprise/webapps/workspace/img` and access it in the following way:

```
img src='/img/imageFile'
```

### Parameters

- `viewId` - The current view Id
- `instanceInfo` - The current instance info
- `column` - The cell's column
- `locale` - The user's locale
- `originalValue` - The original HTML value
- `rowIndex` - The index of the row being rendered.

### Returns

The HTML for the given cell value.

## getRowStyle()

Returns the CSS inline style for the given row. If the method returns NULL the original style will be applied.

```
java.lang.String getRowStyle(java.lang.String viewId, fuego.papi.InstanceInfo instanceInfo,
int rowIndex)
```

### Example

The following String is an example of a valid return value:

```
"background-color:#FFC6BF; "
```

### Parameters

- `viewId` - The view ID of the view assigned to the Work List Panel that is being rendered.
- `instanceInfo` - The `InstanceInfo` object that represents the instance being rendered.
- `column` - The `Presentation.Column` object that represents the column being rendered.
- `rowIndex` - The index of the row being rendered.


### Returns

The CSS inline style for the given row.







## ALBPM WorkSpace Icons Reference

The following reference provides a list of the icons ALBPM Workspace uses, their file names, and descriptions of the message they convey.







ALBPM WorkSpace icons can be customized following the procedures described in [Customizing ALBPM WorkSpace Icons](#) on page 12.

 **Note:** Customized icons should respect the message conveyed by the original icon. Read the description field in this table carefully before designing your new icon.






### Panel










Icon Image	Key	Description
	DOCUMENTATION_ICON	Link to the process or activity documentation.
	DOCUMENTATION_ICON_OFF	Indicates the process or activity does not have associated documentation.
	HELP	Link to help.
	MINUS	Collapse panel.
	PLUS	Expand panel.
	REFRESH	Refresh panel content.

### Views








Icon Image	Key	Description
	VIEW_ATTACHMENT	Attachments view.
	VIEW_BOOKMARK	Bookmarks view.
	VIEW_CONSULTATION	Consultations view.
	VIEW_FOLDER	Folder view.
	VIEW_HISTORY	History view.
	VIEW_INSTANCE	Instances view.

### Work List Panel




Icon Image	Key	Description
	ARROW_DOWN_GRAY	Arrow in <b>Operations</b> dropdown list.
	ATTACHMENT_ICON	Attachment column in Work List panel.
	DASHBOARD_ICON	
	EXECUTE_ICON	Execute task.
	EXECUTE_LIST_ICON	Choose and execute task. Indicates that an activity has more than one task to execute.



Icon Image	Key	Description
	FEED_ICON	View RSS feed.
	GLOBAL_INSTANCE_LIST_ICON	Choose and execute global activity with instance access. Indicates that there is more than one global activity with instance access.
	GRAB	Indicates you can grab an instance.
	GRAB_MENU	Indicates there is more than one grab activity that allows you to grab this instance.
	NEW_PRESENTATION_ICON	Create a new presentation.
	OPERATIONS	Execute global activity with instance access.
	PRIORITY	Priority column in Work List panel.
	SEND_TO_ICON	Send instance to the next activity or send instance to a certain participant.
...	THREE_DOTS	Edit view presentation.
	WORKLOAD_ICON	Show process image that contains workload information.

### Instance Status





Icon Image	Key	Description
	ABORTED	Indicates the instance was aborted.
	ACTIVITY_COMPLETED	Indicates the activity where the instance is sitting is completed.
	COMPLETED	Indicates the instance has completed the process flow.
	EXCEPTION	Indicates the instance is in an exception flow.
	GRABBED	Indicates the instance is grabbed.
	RUNNING	Indicates the instance is active. By default this key points to a blank image.
	SUSPENDED	Indicates the instance is suspended.

### Instance Priorities




Icon Image	Key	Description
	HIGH	High priority.
	HIGHEST	Very high priority.
	LOW	Low priority.

Icon Image	Key	Description
	LOWEST	Very low priority.
	NORMAL	Normal priority.









### Instance Detail Panel

Icon Image	Key	Description
	AUDIT_TRAIL_IMAGE	Shows process image with audit trail information.
	CHECK	Indicates the property is selected. Used for the mandatory and repeatable properties in the Instance Detail panel.
	CHECK_OFF	Indicates the property is not selected. Used for the mandatory and repeatable properties in the Instance Detail panel.
	USER	Instance assignment operations.




### Notes

Icon Image	Key	Description
	NEW_NOTE	Create a new note.
	NOTE	Notes tab icon in Instance Detail panel.
	NOTE_ICON	Icon in each row of the notes table.












### Attachments







Icon Image	Key	Description
	ATTACH	Icon in each row of the attachments table.
	CHECK_IN_EDIT_ATTACH	Check in attachment modifications.
	EDIT_ATTACH	Edit attachment.
	PAGE_ATTACH	Create a new attachment.
	PAGE_ATTACHMENT	Attachments tab icon in Instance Detail panel.
	PAGE_ATTACH_COLLAB_PAGE	Add a link to an attachment in Collab.
	PAGE_ATTACH_KNOWLEDGE_BASE	Add a link to an attachment in the knowledge base.
	RELEASE_EDIT_ATTACH	Release attachment lock.

## Consultations








Icon Image	Key	Description
	CONSULTATION_ICON	Icon in each row of the consultation table.
	NEW_CONSULTATION	Create a consultation.
	USER_COMMENT	Consultations tab icon in Instance Detail panel.

## Audit Trail Images











Icon Image	Key	Description
	AUDIT_TRAIL	Audit trail tab icon in Instance Detail panel.
	AUTOMATIC_ACT	Automatic activity icon used to display audit trail information.
	BEGIN_ACT	Begin activity icon used to display audit trail information.
	COMPENSATE	Compensate activity icon used to display audit trail information.
	CONDITIONAL	Conditional activity icon used to display audit trail information.
	END_ACT	End icon used to display audit trail information.
	GLOBAL_ACT	Global activity icon used to display audit trail information.
	GLOBAL_AUTOMATIC_ACT	Global automatic activity icon used to display audit trail information.
	GLOBAL_CREATION_ACT	Global creation activity icon used to display audit trail information.
	GRAB_ACT	Grab activity icon used to display audit trail information.
	INSTANCE_DASHBOARD_FLAG	Icon used to show instance current position in the process image.
	INTERACTIVE_ACT	Interactive activity icon used to display audit trail information.
	JOIN_ACT	Join activity icon used to display audit trail information.
	MEASUREMENT_START_NODE	Measurement mark start icon used to display audit trail information.
	MEASUREMENT_START_STOP_NODE	Start-stop measurement mark icon used to display audit trail information.
	MEASUREMENT_STOP_NODE	Measurement mark stop icon used to display audit trail information.
	NOTIFICATION_WAIT_ACT	Notification wait activity icon used to display audit trail information.


Icon Image	Key	Description
	PROCESS_CREATION_ACT	Process creation activity icon used to display audit trail information.
	PROCESS_NOTIFICATION_ACT	Process notification activity icon used to display audit trail information.
	SPLIT_ACT	Split activity icon used to display audit trail information.
	SPLIT_N_ACT	Split-N activity icon used to display audit trail information.
	SUBFLOW_ACT	Subflow activity icon used to display audit trail information.
	TERMINATION_WAIT_ACT	Termination wait activity icon used to display audit trail information.

## Search


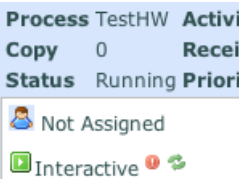
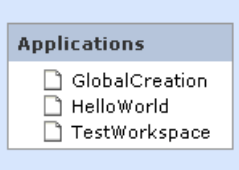
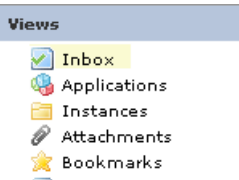

Icon Image	Key	Description
	CHANGE_MODE	Switches between the different available formats.
	CLOSE_SEARCH	Collapse search definition.
	CLOSED_FILTER	Opens the filter definition.
	OPEN_SEARCH	Expand search definition.
	OPENED_FILTER	Collapses the filter definition.
	REMOVE_ITEM	Removes a search condition.
	SAVE_VIEW	Save the filter used

## Panel Edition Mode

Icon Image	Key	Description
	ARROW_DOWN	Move panel down.
	ARROW_LEFT	Move panel to the left.
	ARROW_RIGHT	Move panel to the right.
	ARROW_UP	Move panel up.
	BIN	Remove panel.
	EXPORT	Export WorkSpace preferences.
	LAYOUT	Turn WorkSpace edit mode off.
	LAYOUT_EDIT	Turn WorkSpace edit mode on.
	PORTLET_ADD	Add a new panel.
	TO_EDIT_MODE	Edit panel preferences.

Icon Image	Key	Description
	TO_VIEW_MODE	Stop editing panel preferences.

### Add Panel Preview

Icon Image	Key	Description
	DASHBOARD_PREVIEW	Dashboard panel preview.
	INSTANCE_DETAIL_VIEW_PREVIEW	Instance Detail panel preview.
	MENU_ACTION_PREVIEW	Applications panel preview.
	MENU_VIEW_PREVIEW	Views panel preview.
	PRESENTATION_VIEW_PREVIEW	Work List panel preview.

### Internal Use

These following keys correspond to icons used internally by the product. You must not try to modify them. Doing so may cause ALBPM WorkSpace to behave abnormally or may have no visible consequences.

- APPLICATION\_ICON
- ARROW\_RIGHT\_GRAY
- CHECK2
- DETAIL\_ICON
- DOCUMENTATION\_VIEW\_PREVIEW
- EXCLAMATION
- EXECUTE\_BIG\_ICON
- EMPTY
- GLOBAL\_INSTANCE\_ICON

- PORTLET\_ICON
- RECOVER\_PRESENTATION\_ICON
- SEARCH\_PREVIEW
- TIME
- TOOLBAR\_ICON
- VIEW\_APPLICATION
- VIEW\_PREVIEW
- WORKSPACE\_PREVIEW

## ALBPM WorkSpace Labels and Text Messages Reference

The following reference is a list of the text messages and labels used by ALBPM WorkSpace applications.

The default messages of the text messages and labels can be changed following the procedures described in [Customizing ALBPM WorkSpace Labels and Text Messages](#) on page 14.

Message	Key
%(COMPANYBPM) - %(WORKSPACE)	WEBAPP_TITLE
%0 Instances	INSTANCE_NUMBER
%0 priority	PRIORITY1
A dashboard execution panel	DASHBOARD_TYPE_DESCRIPTION
A menu with the actions	MENU_ACTION_TYPE_DESCRIPTION
A menu with the views	MENU_VIEW_TYPE_DESCRIPTION
Abort	ABORT_INST
Aborted	ABORTED
Activity	ACTIVITY
Activity ID paramater not found.	GLOBAL_ACTIVITY_ID_PARAM_NOT_FOUND
Activity documentation	ACTIVITY_DOCUMENTATION
Add	ADD_LINK
Add Note...	ADD_NOTE
Add Panel	ADD_NEW_PORTLET
Add column	ADD_COLUMN
All	ALL_APPLICATION_VIEWS
All participants in the role	ALL_PARTICIPANTS_IN_ROLE
Application Community Preferences	APPLICATION_COMMUNITY_PREFS
Applications	MENU_ACTION_TYPE_LABEL
Apply	APPLY
Are you sure you want to delete the view?	VIEW_DELETE_CONFIRMATION
Are you sure you want to save the view?	VIEW_SAVE_CONFIRMATION
Ascending	ASCENDING
Assign	ASSIGN
Assign to Participant	ASSIGN_TO



Message	Key
Assign to me	SELECT_INST
At least one Instance Scope must be specified.	INVALID_INSTANCE_SCOPE
At least one process must be selected	SELECT_A_PROCESS
Attach File...	ATTACH_FILE
Attach a new file	ADD_ATTACHMENT
Attachment	ATTACHMENT
Attachment Detail	ATTACHMENT_DETAIL
Attachment columns content length	ATTACHMENTS_CONTENT_LENGTH
Attachments	ATTACHMENTS
Attachments (%0)	ATTACHMENTS1
Audit Trail	AUDIT_TRAIL
Automatic Login	AUTO_LOGIN
Available Columns	AVAILABLE_COLUMNS
BPM Workspace	WORKSPACE
Bookmark	BOOKMARK_INST
Broadcast Event	BROADCAST_EVENT
Callback Javascript function name paramater not found.	COLLAB_JS_CALLBACK_NAME_PARAM_NOT_FOUND
Cancel	CANCEL_LINK
Cannot perform the grab. Not all the instances can be grabbed from the same Grab activities	CANNOT_PERFORM_GRAB
Cannot process next task because process instance '%0' is still in the automatic activity '%1' after waiting '%2' milliseconds.	NOT_ABLE_TO_PROCESS_NEXT_INSTANCE
Case sensitive	CASE_SENSITIVE
Change the time format	CHANGE_TIME_FORMAT
Change to current participant mode	TO_CURRENT_USER_MODE
Change to select participant mode	TO_SELECT_USER_MODE
Check in	CHECK_IN_ATTACH
Check in edited attachment	CHECK_IN_EDIT_ATTACH
Close	CLOSE
Close search	CLOSE_SEARCH
Collaboration Document ID paramater not found.	COLLAB_DOC_ID_PARAM_NOT_FOUND
Collapse all	COLLAPSE_ALL
Column Chooser	COLUMN_CHOOSER
Column Format	COLUMN_FORMAT
Column Size	COLUMN_SIZE
Column size must be a numeric value	COLUMN_SIZE_MUST_BE_NUMERIC
Columns	COLUMNS
Completed	COMPLETED

Message	Key
Condition	CONDITION
Conditions	CONDITIONS
Consult	CONSULT_INST
Consultations	CONSULTATIONS
Consultations (%0)	CONSULTATIONS1
Copy	COPY
Correct the following error(s)	INVALID_CONDITIONS
Creation time	CREATION_TIME
Creator	CREATOR
Dashboard	DASHBOARD_TYPE_LABEL
Date	DATE
Day(s)	DAYS
Deadline	DEADLINE
Default Applications	DEFAULT_APPLICATIONS_WITH_COLON
Default View	DEFAULT_VIEW
Delegate	DELEGATE
Delegate to Participant	DELEGATE_TO
Delete View	VIEW_DELETE_DIALOG_TITLE
Descending	DESCENDING
Description	VIEW_DESCRIPTION
Description field is greater than (%0)	DESCRIPTION_MAX_SIZE
Description field is required	DESCRIPTION_REQUIRED
Detail content	DETAIL_CONTENT
Dialog Window	DIALOG
Different file, please check this	CHECK_IN_DIFFERENT_FILE
Display	DISPLAY
Do you really want to abort the instance?	ABORT_INSTANCE_WARNING
Document	KB_PAGE_SUBTITLE
Documentation	DOCUMENTATION
Download	DOWNLOAD_ATTACH
E-mail	MAIL
Edit Mode Off	TO_NORMAL_MODE
Edit Mode On	TO_EDIT_MODE
Edit attachment	EDIT_ATTACH
Edit presentation	EDIT_PRESENTATION
Edit view	VIEW_EDIT
Edition time	EDITION_TIME
Enable Automatic Login	ENABLE_AUTO_LOGIN

Message	Key
Enter new Password	ENTER_NEW_PASSWORD
Enter old Password	ENTER_OLD_PASSWORD
Enter some content for the note, you cannot add one without it.	NOTE_WITHOUT_CONTENT
Enter the text for a new note	NEW_NOTE
Enter values for Parametric conditions.	VIEW_PARAMETERS
Error on download attachment	ATTACHMENT_DOWNLOAD_ERROR
Error on upload attachment	ATTACH_UPLOAD_ERROR
Escalate	ESCALATE
Escalate to Participant	ESCALATE_TO
Event	EVENT
Exception from %0 error message %1	EXCEPTION_FROM
Execute	EXECUTE
Execution	EXECUTION
Execution Type	EXECUTION_TYPE
Execution dialog height	EXECUTION_DIALOG_HEIGHT
Execution dialog width	EXECUTION_DIALOG_WIDTH
Expand all	EXPAND_ALL
Export preferences	EXPORT_PREFERENCES
Filename	FILENAME
Fixed Presentation	FIXED_PRESENTATION
Format	FORMAT
Format Pattern	FORMAT_PATTERN
Free Format Presentation	FREE_FORM_PRESENTATION
From activity	ACTIVITY_FROM
Full name	FULL_NAME
General	GENERAL
Global Application	GLOBAL_APPLICATION
Grab	GRAB_INST
Grab activity	GRAB_ACTIVITY
Help	HELP
Hidden?	VIEW_HIDDEN
Hide	HIDE
Id	ID
Image	IMAGE
Image and Label	IMAGE_AND_LABEL
In '%0' the second value must be higher than the first one.	WRONG_VALUES_FOR
In Process	IN_PROCESS
In a separated Instance Detail Panel	PORTLET_DETAIL

Message	Key
Inside the Instance Table	INLINE_DETAIL
Instance	ITEM
Instance Detail	INSTANCE_DETAIL_VIEW_TYPE_LABEL
Invalid collab doc ID	INVALID_COLLAB_DOC_ID
Invalid combination of Instance Scope options.	ILLEGAL_STATUS_SCOPE
Invalid external URL	INVALID_EXTERNAL_URL
Invalid or duplicated	INVALID_ID
Label	LABEL
Language	LANGUAGE
Last Run	LAST_RUN
Link from Collaboration	ADD_LINK_TO_COLLAB
Link from Knowledge Directory	KNOWLEDGE_BASE_ATTACH
Listen to	LISTEN_TO
Loading...	LOADING
Locked by	LOCKED_BY
Login	LOGIN
Login name	LOGIN_NAME
Logout	LOGOUT
Mandatory	MANDATORY
Match all conditions	MATCH_ALL_CONDITIONS
Menu Type	MENU_TYPE
Message(s)	MESSAGES
Move down	MOVE_DOWN
Move left	MOVE_LEFT
Move right	MOVE_RIGHT
Move up	MOVE_UP
Name	NAME
New Consultation...	NEW_CONSULTATION
New Presentation	NEW_PRESENTATION
Next	NEXT
No	NO
No Processes were found. Log in again and contact your system administrator if the problem persists.	NO_PROCESSES_FOUND
No dashboard has been selected	NO_SELECTED_DASHBOARD
No dashboards were found	NO_AVAILABLE_DASHBOARD
No documentation for this activity	NO_ACTIVITY_DOCUMENTATION
No documentation for this process	NO_PROCESS_DOCUMENTATION
No instance has been selected	NO_INSTANCE_SELECTED

Message	Key
No view has been selected	NO_SELECTED_VIEW
No views were found	NO_VISIBLE_VIEWS
None	NONE_DASHBOARD
None of the participants that match the search criteria have been assigned to the role for this activity.	NO_PARTICIPANT_MATCHES_ROLE
Not valid integer.	NOT_VALID_INTEGER
Note	NOTE_WITH_COLON
Notes	NOTES
Notes (%0)	NOTES1
Notify me by e-mail when new process instances arrive	NOTIFY_NEW_INSTANCES
Number of instances	NUMBER_OF_INSTANCES
Ok	OK
Operations	OPERATIONS
Optional Tasks	OPTIONAL_TASKS
Panel Description	PORTLET_DESCRIPTION
Parent view	VIEW_PARENT
Participant	PARTICIPANT_WITH_COLON
Password	PASSWORD
Passwords must mach	WRONG_PASSWORDS
Peer assignment	PEER_ASSIGNMENT
Peer assignment to Participant	PEER_ASSIGNMENT_TO
Popup Window	POPUP
Presentation	PRESENTATION
Presentation Columns	PRESENTATION_COLUMNS
Presentation Id	PRESENTATION_ID
Preview Image	PREVIEW_IMAGE
Principal not found	PRINCIPAL_NOT_FOUND
Priority	PRIORITY
Process	PROCESS
Process Image	PROCESS_IMAGE
Process documentation	PROCESS_DOCUMENTATION
Processes	PROCESSES
Re-Login	RE_LOGIN
Re-type Password	RE_TYPE_PASSWORD
Reassign	REASSIGN
Reassign to Participant	REASSIGN_TO
Reassign to me	REASSIGN_TO_ME
Received	RECEIVED

Message	Key
Refresh	REFRESH
Release edit attachment	RELEASE_EDIT_ATTACH
Remarks	REMARKS
Remarks field is greather than (%0)	REMARKS_MAX_SIZE
Remote scripting for %(FUEGO_OBJECT) presentations	USE_FO_SCRIPTING
Remove	REMOVE
Remove assignment	UNASSIGN_INST
Remove column	REMOVE_COLUMN
Repeatable	REPEATABLE
Request not gatewayed. Add this servlet to the gateway space.	NOT_GATEWAYED_REQUEST_ERROR
Responsible	RESPONSIBLE
Restore Filter	RESTORE_FILTER
Resume	RESUME_INST
Save	SAVE
Save As...	VIEW_SAVE_AS
Save View	VIEW_DIALOG_TITLE
Save View As	VIEW_SAVE_AS_TITLE
Search	SEARCH
Search - %0	SEARCH_WITH_VIEW
Search Instances	SEARCH_TYPE_DESCRIPTION
Search participant	SEARCH_USER
Select a Collaboration Document	SELECT_COLLAB_DOC
Select a Collaboration Project	SELECT_COLLAB_PROJECT
Select a Collaboration Project and Folder	SELECT_PROJECT_AND_DOC
Select a Knowledge Directory Document	KB_PAGE_TITLE
Select a Participant	SELECT_PARTICIPANT
Select a default view for your community.	WORKLIST_COMMUNITY_PREFS_DETAIL
Select file	SELECT_FILE
Select the Document from Knowledge Directory	SELECT_KB_DOC
Select the Locale for upload	SELECTED_LOCALE_UPLOAD
Select the default applications(s) for your community. Hold down the Ctrl key to select multiple values.	APPLICATION_COMMUNITY_PREFS_DETAIL
Selected Instance	SELECTED_INSTANCE
Send	SEND_INST
Send Back	BACK_INST
Send To	SEND_TO
Send to type	SEND_TO_TYPE
Settings	SETTINGS

Message	Key
Show	SHOW
Show Instance Detail	SHOW_DETAIL
Show Instances	SCOPE_PANEL
Show hidden views	SHOW_HIDDEN_VIEWS
Size	SIZE
Sorted by	SORTED_BY
Sorting	SORTING
Specify a valid value for '%0'	NULL_VALUE_FOR
Status	STATUS
Storage Type	STORAGE_TYPE
Suspend	SUSPEND_INST
Task	TASK
Task %0 executed	TASK_XX_EXECUTED
The default view cannot be a Folder View or Applications View.	SYSTEM_DEFAULT_NOT_VALID
The instance detail view	INSTANCE_DETAIL_VIEW_TYPE_DESCRIPTION
The instance is currently assigned to %0.	INSTANCE_ASSIGNED_TO
The instance is currently assigned to you.	INSTANCE_ASSIGNED_TO_YOU
The instance is not currently assigned to a participant.	INSTANCE_NOT_ASSIGNED
The instances view	VIEW_TYPE_DESCRIPTION
The instances view formatted as the associated presentation	PRESENTATION_VIEW_TYPE_DESCRIPTION
The number of participants meeting the submitted search criteria exceeds the maximum number of allowed search results\	MAX_SIZE_PARTICIPANT_SEARCH
There are no valid and possible outgoing transitions from this activity	NOT_VALID_TRANSITION
There was an unexpected error. Log in again and contact your system administrator if the problem persists. You can click on the detail button for the technical cause of the error.	UNEXPECTED_ERROR_MSG
Time Zone	TIME_ZONE
To activity	ACTIVITY_TO
Toogle instances selection	TOGGLE_INSTANCES_SELECTION
Type	TYPE
UID	UID
Unassign	UNSELECT_INST
Unassigned	UNASSIGNED
Unexpected Error	UNEXPECTED_ERROR
Ungrab	UNGRAB_INST
Use Browser's time zone	BROWSER_TIME_ZONE
Use System Default	USE_SYSTEM_DEFAULT
User	USER

Message	Key
Username	USERNAME
Version	VERSION
View	APPLICATION_VIEW
View Feed	VIEW_FEED
View full attachment's detail	VIEW_FULL_ATTACH_DETAIL
View full note's content	VIEW_FULL_NOTE
Views	VIEWS
Visible Views	VISIBLE_VIEWS
Work List	VIEW_TYPE_LABEL
Work List Community Preferences	WORKLIST_COMMUNITY_PREFS
WorkSpace	CONTAINER_TYPE_LABEL
Yes	YES
You have logged out successfully.	LOGOUT_DESCRIPTION
You must select a Document for link	NO_LINK_TO_ADD
You must select a file to upload	NO_UPLOAD_FILE_SELECTED
You must select a participant to assign the instance to it	ASSIGN_WITHOUT_PARTICIPANT
You must select a participant to consult.	NO_PARTICIPANT_SELECTED
Your login session has expired	SESSION_EXPIRED
and	AND
assigned to	PARTICIPANT_SCOPE
is parametric	IS_PARAMETRIC
now +/-	INTERVAL_TIME
status	INSTANCE_SCOPE