

README for

TIBCO iProcess Client (JSP)

Version 9.2.0

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1 About This Version

Version 9.2.0 of the TIBCO iProcess Client (JSP) introduces some new features - see [section 3.1](#). It also includes a number of changes and fixes which have been incorporated into the product since the initial version 1.1(0.0) release - see [section 7](#) on [page 14](#) for more information.

Note - If you have received this version as an upgrade, you should check that it provides the features or fixes you require and then upgrade immediately. If you are in any doubt about whether you should upgrade to this version, please contact TIBCO Support Services for further assistance.

2 Compatibility with Other Staffware Products

The table below lists other Staffware products with which the TIBCO iProcess Client (JSP) has direct compatibility requirements, and the versions of those products that are compatible with this version of the TIBCO iProcess Client (JSP).

Note - Certified versions have been successfully tested by TIBCO for compatibility with this version of the TIBCO iProcess Client (JSP). Compatible versions have not been formally certified, but have no known incompatibilities with this version of the TIBCO iProcess Client (JSP).

| Product | Certified Version(s) | Compatible Version(s) |
|---------------------------|----------------------|-----------------------|
| SPO Java Client | Version 10.2.0 | Version 10.2.0 |
| Step Definition Converter | Version 9.2.0 | Version 9.2.0 |

When you use any of these products with this version of the TIBCO iProcess Client (JSP), TIBCO recommend that you use the latest compatible version of each product.

If you are currently using a version of one of these products that is:

- *earlier than any of those listed*, you must upgrade to a compatible version before using this version of the TIBCO iProcess Client (JSP).
- *later than any of those listed*, please refer to the Readme for that product/version to determine if it is compatible with this version of the TIBCO iProcess Client (JSP). If the Readme does not provide a definitive answer, please contact the TIBCO Support Services for further assistance.

3 New Features

The following new features have been introduced since the initial TIBCO iProcess Client (JSP) Version 1.1(0.0).

3.1 Version 9.2.0

The following is a brief description of the new features introduced in this release.

3.1.1 Support for SPO Failover Has Been Implemented ([CR 17138](#))

You can use the **SPOServerBackup** configuration parameter to specify a back-up SPO server. This means that when the TIBCO iProcess Client (JSP) detects that the SPO server it is connecting to has failed, it will attempt to connect to the SPO server specified in the **SPOServerBackup** configuration parameter.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.1.2 Support for SPO Director Has Been Implemented ([CR 17137](#))

You can use the **UDPPortNumbers** configuration parameter to enable the TIBCO iProcess Client (JSP) to browse for SPO Directors.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.2 Version 9.1(5.0)

3.2.1 TIBCO iProcess Client (JSP) can be Viewed on Mac OS (CR 16228)

Support has been added for viewing the TIBCO iProcess Client (JSP) using Internet Explorer 5 (IE5) on the Mac operating system.

3.2.2 New Change Password Page and Button (CR 16307)

When logging in to the TIBCO iProcess Client (JSP), the login page displays a **Change Password** button. This enables you to change your login password.

If your password expires or has already expired when you log in, you are redirected to the Change Password page.

3.3 Version 9.1(1.4)

The following is a brief description of the new features introduced in this release.

3.3.1 A New Top Level Entry has Been Added to the menu.xml File (CR 15984)

A new entry called **toplevel** has been added to the **menu.xml** file. This enables you to define a custom menu item at the top level of the tree rather than having to add it under a menu section name. For example, using the **section name** entry, a menu item called **Document Search** must be created under a menu section name, for example **Case Functions**. This means that to access the **Document Search** menu item, you have to click **Case Functions** and then drill down to the **Document Search** menu item. Using the **toplevel** entry, you can create the **Document Search** menu item at the top level of the tree.

An example of a **menu.xml** file that uses the **toplevel** entry is shown below:

```
<?xml version="1.0" encoding="UTF-8" ?>
- <menu>
  <title>Custom Menu Section</title>
  - <section name="Menu Section 1">
    <item href="test1.jsp" tooltip="Tool Tip 1">Menu Item 1</item>
    <item href="test2.jsp" tooltip="Tool Tip 2">Menu Item 2</item>
    <item href="test1.jsp" tooltip="Tool Tip 3">Menu Item 3</item>
    <item href="test2.jsp" tooltip="Tool Tip 4">Menu Item 4</item>
  </section>
  - <section name="Menu Section 2">
    <item href="test1.jsp" tooltip="Tool Tip 1">Menu Item 1</item>
    <item href="test2.jsp" tooltip="Tool Tip 2">Menu Item 2</item>
  </section>
  - <toplevel name="Test">
    <item href="test1.jsp" tooltip="Tool Tip 1">Menu Item 1</item>
    <item href="test2.jsp" tooltip="Tool Tip 2">Menu Item 2</item>
  </toplevel>
</menu>
```

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information about adding custom menu items.

3.4 Version 9.1(1.3)

The following is a brief description of the new features introduced in this release.

3.4.1 Using the GET and POST Methods for Retrieving Login Information (CR 15714)

You can now use both the GET and POST methods for retrieving log in information from the TIBCO iProcess Client (JSP). The GET method means that form data is encoded (by a browser) into a URL while the POST method means that the form data appears within a message body.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.4.2 Support for Case Start Precedence is Introduced (CR 15482)

Case start precedence determines the precedence order used to select which version of any sub-procedure is started by the case. To set case precedence in the TIBCO iProcess Client (JSP), you need to set the **xSubProcPrecedenceType** variable.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.4.3 Defining an Audit Case List Filter (CR 15251)

You can define an audit case list filter from the **Audit** Window. Setting an audit case list filter enables you to enter search criteria so that you can find a specific case or a range of cases to view.

Please refer to the *Using the TIBCO iProcess Client (JSP)* guide for more information.

3.4.4 Specifying How Sub-Lists are Loaded in the TIBCO iProcess Client (JSP) (CR 15157)

Pre-loading lists can affect performance when you have a large number of users or a user that has a large number of work queues when logging in to the TIBCO iProcess Client (JSP). By setting the **pre-loadlists** variable to **false**, the lists are only loaded, for example, when a user clicks on the **Work Queue** option.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.4.5 Support for Memos is Introduced (CR 15155)

Fields whose field type is **Memo** are now supported. This means you can now enter memo data into a memo field from the TIBCO iProcess Client (JSP). Previously, memo fields were not displayed.

Please refer to the *Using the TIBCO iProcess Client (JSP)* guide for more information.

3.4.6 Improved Performance for the Work Queue Search (CR 15154)

The performance of the Work Queue Search has been improved by enabling you to specify:

- the types of cases to search for by setting the **inactivecasesearch** variable.
- the number of work items that are displayed in the work item list by setting the **maxworkitem-search** variable.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.4.7 New Log Level Called TIMING (CR 15021)

A new log level called TIMING has been added to log how long it takes for the TIBCO iProcess Client (JSP) pages to execute.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.5 Version 9.1(1.0)

The following is a brief description of the major new features in this release.

3.5.1 Changing the Default Folder Display (CR 13705)

You can amend the default folder display. To change the default folder display, uncomment and amend the **menuoption** entry in the configuration file and choose all or a combination of the folders to display, depending on your requirements.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.5.2 Changing the Default Display (CR 13410)

You can amend the default work queue display. To change the default work queue display, uncomment the **default display** entry in the configuration file and choose all or a combination of the Staffware fields listed, depending on your requirements.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.5.3 Defining a New First Page (CR 13390)

When you first login to the TIBCO iProcess Client (JSP), the Queue Summary is displayed by default. To change this, add a **firstpage** entry to the configuration file, specifying the filename of the new first page.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.5.4 Defining Custom Menu Items (CR 13116)

You can define one or more new menu options to be appended to the bottom of the list of folders on the left hand side of the TIBCO iProcess Client (JSP) window.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.5.5 Internationalization Supported (CR 12999)

The Staffware Process TIBCO iProcess Client (JSP) now supports other languages. If you want to configure the TIBCO iProcess Client (JSP) to support one or more languages for the user interface, you must create a **messages.properties** file for each language you want the TIBCO iProcess Client (JSP) to support.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* guide for more information.

3.5.6 New User Interface

This version of the TIBCO iProcess Client (JSP) has a new user interface. The user interface has been updated to make it more consistent with other Staffware products and to implement the product name changes that occurred in version 9.

The following enhancements have been made:

- Work queues are now grouped into User, Group, User Test and Group Test.
- Auto refresh of the work queue has been added. Work queues are now refreshed every 60 seconds.
- You can configure your personal work queue or group queue to be displayed as your default page view.
- You can use page links to navigate through your work queue.
- Staffware lists are now supported.

3.5.7 Queue Summary

The **Queue Summary** is displayed in the **Work Queues** folder. It enables you to monitor your work queues by showing you a graphical summary of your current workload across all your queues.

3.5.8 Searching for Work Items Within a Work Queue List

If you select a work queue in the **Work Queues** folder, you can use the **Search** facility to perform a search on the case description in the work queue.

3.5.9 Forwarding Work Items

If you select a work queue in the **Work Queues** folder, you can select a queue from the **Forward to Queue** box to forward a work item on to another queue without progressing the case. You can select as many work items as you need. If you want to forward all work items on the current page (to the same user), click the box at the top of the first column so that all the work items on the page are selected.

3.5.10 Audit Trail Filtering

If you view an audit trail for a case, you can filter your audit trails by system entries and user-defined entries.

3.5.11 Setting Filter, Display and Sort Criteria

You can control the way your queues are displayed by setting filter, display and sort criteria. The filter, display and sort options are available from the status bar.

Select:

- **Filter** to control which work items are displayed.
- **Display** to define which columns of information are displayed about each work item.
- **Sort** to define the order in which work items are displayed.

3.5.12 Searching for Work Items Across all Work Queues and Updating Case Priority

From the **Tools** folder, selecting **Work Queue Search** enables you to perform a search on the case description across all work queues. On clicking the work item, the details of the case are displayed. You can also change the priority of the work item.

*Note - You must have a **MENUNAME** attribute of either **ADMIN** or **MANAGER** to change case priority.*

3.5.13 Case Prediction

Case prediction enables you to accurately forecast outstanding and expected work items. To display case prediction, right click on the work item that you want to see case prediction for. The Case Prediction window is displayed.

3.5.14 Participation and Redirection

From the **Tools** folder, selecting **Queue Administration** enables you to set participation and redirection. Participation enables you to grant users access to another user or group queue. Redirection enables you to redirect all work items sent to one queue to an alternative queue.

3.6 Version 1.0

For details of the new features implemented in Version 1 of the product, please see the *Staffware Web Client (JSP Version) Version 1 Change History*, which you can find on the product CD in the **docs** folder.

4 Restrictions

4.1 Keep Button Looks Enabled on Forms (CR 17207)

When you open a work item in the TIBCO iProcess Client (JSP), the **Keep** button has a thicker line around the box than the **Release** button. This means it looks like it is enabled by default. However, it is not and you must physically select it to enable it.

4.2 Cannot Set Deadlines as a Filter in Access Criteria (CR 17185)

You cannot set up a filter to filter work items on deadline in Access Criteria. An **Error in expression syntax** error is displayed.

4.3 Multiple Browser Windows on Mac Share the Same Login Session (CR 16355)

On the Mac OS (using both IE5 and IE5.2), if you login using one browser window and then open a second browser window you are automatically logged in using the details from the first session. You will notice that all open browser windows share the same login session.

4.4 Sorting on Procedure Host in the Case List is Disabled (CR 16421)

In the audit case list of a procedure, sorting is disabled for both the **Procedure Host Name** and **Procedure Version** columns.

4.5 Forms Do Not Redraw Correctly on IE5 (CR 16547)

When using IE5, forms are sometimes not re-painted on screen correctly. For example, when selecting from a list or using the scroll bar the form moves and it does not redraw itself correctly. This results in a form that you cannot use until you keep and re-open it. This problem does not occur when using IE5.2.

4.6 Logging Out Not Working As Expected (CR 16546)

When logged into multiple versions of Staffware servers and you logout from one server, a Winsock error message is displayed and you are logged out of all the servers.

4.7 French messages.properties File is Not Being Used (CR 16600)

When using a French system setup on the Mac OS, the English messages file is used instead of the French **messages.properties** file.

4.8 Duplicate Step Names Are Removed From the Case Prediction List (CR 15801)

If you have steps in your Staffware procedure that have the same name, the duplicate step name is removed from the **Case Prediction List**. Staffware recommend that you assign unique names to steps in your Staffware procedures.

4.9 Date Format YY/MM/DD is Not Supported in the TIBCO iProcess Client (JSP) (CR 15677)

There are problems in the TIBCO iProcess Client (JSP) if your Staffware i/Process Engine is configured to use a date format of YY/MM/DD. The date format is not displayed correctly and when you enter a date, it will not be saved.

4.10 Problems with Special Characters in the Work Queue Case Description Search and Case Filtering (CR 15539)

The following table describes the problems with special characters when using the Work Queue Case Description Search and Case Filtering:

| Special Character | Type of Search | Description of Problem |
|-------------------|-------------------------|-------------------------------------------------------------------------------------|
| % | Case Description Search | Causes the JSP Page to crash |
| ¬, £ | Case Description Search | Causes the tool tips to display incorrectly |
| \, #, & | Case Description Search | Cause the tool tips to be displayed as blank |
| + | Case Description Search | Displays as a space in the tool tip |
| #, &, +, ¬, £ | Case Description Search | Fails to return any cases |
| ¬, “ | Access Criteria: Filter | Not supported. They are automatically stripped out of the filter if you enter them. |
| \ | Access Criteria: Filter | Displays as a space in the tool tip |

4.11 Winsock Errors Can be Displayed When Logging in to Multiple Nodes (CR 15634)

If you are using the TIBCO iProcess Client (JSP) to log in to multiple Staffware iProcess Engines which have different version numbers, you may receive winsock errors. To avoid the winsock errors, you should avoid setting default views on your work queues.

4.12 No Error Message Given When Case Prediction Fails Due to Looping Procedure (CR 14125)

If Case Prediction fails due to a procedure being in an infinite loop, no error message is given. An empty prediction list is returned instead.

4.13 Checking For Duplicate Items When Using Prediction Does Not Work For Some Procedure Loops (CR 14124)

When using Case Prediction, the checking for duplicate items does not work in instances where the procedure has a valid loop but has a step of the loop outstanding in a Work Queue.

4.14 Changing Case Priority Fails (CR 13791)

If you change the Case Priority from within the TIBCO iProcess Client (JSP), the new value is not saved. This is a problem within the SPO Server. Check your SPO Server readme file to see if this problem has been resolved in the version you are using.

4.15 A message.properties File Must Exist to Support Other Languages (CR 13115)

If you want to configure the TIBCO iProcess Client (JSP) to support one or more languages for the user interface, you must create a **messages.properties** file for each language you want the TIBCO iProcess Client (JSP) to support. If you do not have a specific **messages.properties** file for each language, the default **messages.properties** file is used. The default **messages.properties** file is in English. This means that, even if you have your web browser configured to use a different language, if you do not have the relevant **messages.properties** file for that language, the TIBCO iProcess Client (JSP) defaults to English.

Please refer to the *Customizing the TIBCO iProcess Client (JSP)* for more information.

4.16 Unsupported Features (CR 12120)

The following areas of Staffware functionality are not supported in this release and therefore should not be used when designing procedures for use with the TIBCO iProcess Client (JSP):

| Function | Behavior in TIBCO iProcess Client (JSP) |
|----------|--------------------------------------------------------------------------------------------------------------------------------|
| Tables | Staffware tables will not work. The key field will appear as a standard input field and subsequent table fields will be blank. |

| Function | Behavior in TIBCO iProcess Client (JSP) |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Expressions | Expression evaluator functions will be ignored. <i>Note - Conditions on forms are supported, so any expression that does not contain an expression evaluator function will be supported. (This includes the use of brackets and complicated conditions.) For example:</i> [Field Text] [= > <] [Field Text] |
| Scripts | Scripts cannot be called from the TIBCO iProcess Client (JSP). They will be ignored. |
| Attachment Fields | Attachment fields will appear with the message "Attachment field (not supported)". |
| Application Fields | Application fields will appear as a button but will give a message saying "Application fields are not supported in this version of the Web Client". |

4.17 Setup Buttons Do Not Display Correctly on AIX (CR 10022)

If you are installing the TIBCO iProcess Client (JSP) on AIX, when you run the **setup.sh** file, the **Back**, **Next** and **Cancel** buttons at the bottom right of the installer dialogs sometimes appear partially hidden. (This depends on which window manager you are using.) If you cannot see the text on the buttons, they are - in order from left to right - **Back**, **Next** and **Cancel**.

5 Known Issues

5.1 Internet Explorer 5 on Mac Does Not Allow Blank Drop-Down Lists

On the Mac OS, **xDefValidations** is ignored and is always set to 1, i.e. the first value in a drop-down menu will always be selected by default.

5.2 Pop-up Help is Not Always Displayed Correctly on Mac with IE5

Pop-up help is sometimes not displayed correctly when using IE5 on the Mac OS. However, running IE5.2 on MacOS X corrects this problem.

5.3 Tables Adjust Their Width Themselves in IE5

When using IE5, table widths are adjusted automatically so you may get display problems. Also, setting the width of the table to 100% only works on IE5.2.

5.4 Caching Problem with IE5 on Mac OS

There is a known problem with caching in IE5, where all settings to NOT cache any pages are ignored and therefore some pages may get cached. This affects both IE5 and IE5.2 on the Mac.

5.5 Prediction Window Cannot Be Started on Mac OS

Because the Mac platform use a mouse with a single button, you cannot right click and start the prediction window in the current architecture.

5.6 No Warning When Redirecting to Another Page From a Form

When using IE5 on the Mac OS, there is no warning when redirecting to another page from a form. Usually the warning “Are you sure you want to navigate away from this page?” message is displayed.

5.7 Keep/Release Behaves Differently on IE5 and IE5.5

The Keep and Release buttons behave differently depending on the version of Internet Explorer you use:

- On versions prior to IE5.5, when a form is opened, the **Keep** and **Release** buttons are not disabled. Verification of data occurs when a button is clicked. If any required data is missing, an error message is displayed and stops the page progressing any further.
- On IE5.5 or later, the buttons are disabled and the field data is verified when the field changes.

6 Other Information

6.1 Error When a Work Item is Processed During an SPO Failover

When a work item is processed, the TIBCO iProcess Client (JSP) first checks to see if it has a valid connection to an SPO server before processing the work item. If the SPO server fails while the work item is being processed it can cause:

- the work queues to appear unavailable
- a **CESStorageClientImpl::AsyncRequestHandler:Access is denied** error message to be displayed.

Clicking **Refresh** re-enables access to the work queues.

6.2 Other TIBCO iProcess Client (JSP) Documentation

For more information about how to use the TIBCO iProcess Client (JSP), please refer to the *Using the TIBCO iProcess Client (JSP)* guide and the *Customizing the TIBCO iProcess Client (JSP)* guide. These guides are available in PDF format in the *TIBCO Staffware User Documentation Library*.

In addition, the *Using the TIBCO iProcess Client (JSP)* guide is available from the TIBCO iProcess Client (JSP) itself (in HTML format). Click **Help** on the main TIBCO iProcess Client (JSP) window to view the guide.

6.3 Product Name Change

The product name for this release has changed from the TIBCO Staffware Process JSP Web Client to the TIBCO iProcess Client (JSP) in line with the naming convention of other TIBCO products.

6.4 TIBCO Staffware Version Number Changes

The format of the version number for this release of the TIBCO iProcess Client (JSP) has changed from 9.n(n.n) to 9.n.n.n in line with the versioning convention of other TIBCO products.

6.5 Latest Product Information

For the latest TIBCO Staffware Process Suite product information, please refer to the TIBCO Support Services web site at <http://www.tibco.com/services/support/>.

6.6 Re-Branding of Staffware Software and Documentation

Staffware software and documentation is currently undergoing a re-branding exercise. For example, the Staffware iProcess Engine is now called the TIBCO Staffware iProcess Engine. Until this exercise is complete there may be some naming inconsistencies in the Staffware software and documentation.

7 Change History

The following Change Requests (CRs) have been implemented since the initial release, Version 9.1(1.0), of the TIBCO iProcess Client (JSP).

7.1 Version 9.2.0

| CR Number | Description |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CR 17196 | <i>If the TIBCO iProcess Client (JSP) cannot find a default view, for example, because no default view has been set, a message is logged in the log file. This results in the log file filling up with unnecessary null pointer exceptions.</i> Corrected. |
| CR 17042 | <i>If the SPO server goes down, the TIBCO iProcess Client (JSP) throws null pointer and socket exceptions and you must re-login to connect.</i> Corrected. The TIBCO iProcess Client (JSP) checks for a valid connection and automatically retries the connection if it is lost. |
| CR 17138 | <i>Implement support for SPO failover.</i> Implemented. See section 3.1.1 on page 3 for more information. |
| CR 17137 | <i>Implement support for SPO Director.</i> Implemented. See section 3.1.2 on page 4 for more information. |

7.2 Version 9.1(6.1.1)

| CR Number | Description |
|-----------|---------------------------------------------------------------------------------------------|
| CR 17100 | <i>The JSP Web Client is not disconnecting from the SPO Server correctly.</i> Corrected. |

7.3 Version 9.1(6.1)

| CR Number | Description |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CR 17047 | <i>The JSP Web Client should re-try when connecting to the SPO Server.</i> Corrected. The JSP Web Client will now re-try 10 times when logging in to the SPO Server. <i>Note - If you try to login to a server that is unavailable there will be a significantly longer delay than was previously experienced.</i> |
| CR 17046 | <i>Need to verify all pages for connections and disconnections to the SPO Server.</i> Corrected. |

7.4 Version 9.1(6.0)

| CR Number | Description |
|-----------|----------------------------------------------------------------------------------------------------------------|
| CR 16992 | <i>The JSP Web Client is not disconnecting from the SPO Server on all pages that require it.</i> Corrected. |

7.5 Version 9.1(5.0)

| CR Number | Description |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CR 16653 | <i>The Logout button can still be selected after logging out. The server you just logged out of is still displayed in the drop-down box. If you select this server and click Logout again, the following error is displayed:</i> Error: 0 >= 0 Corrected. |
| CR 16610 | <i>Login can happen twice on the same server if the Login button is double-clicked.</i> Corrected. Once the Login or Change Password button is clicked, both buttons are disabled. |
| CR 16579 | <i>The use of old style autologin strings in webclient.properties for servers that are configured to be static causes an "Invalid Parameter" error message.</i> Corrected. Only the new style autologin strings (containing the SWNode tag) are accepted. When an old style autologin string is used, the following error is displayed: Invalid Parameter Type |
| CR 16575 | <i>When opening access criteria pages any previously set access criteria are removed and the default settings are applied. Also, a default view cannot be set for login.</i> Corrected. |
| CR 16413 | <i>The JSP Web Client does not connect to secure (https:) web sites.</i> Corrected. |
| CR 16307 | <i>The JSP Web Client should enable a user to change their password on login when their password expires.</i> Implemented a new change password page and button. See section 3.2 on page 5 . |
| CR 16228 | <i>The JSP Web Client can now be viewed on the Mac OS using Internet Explorer 5 and IE 5.2.</i> Implemented. See section 3.2 on page 5 . |
| CR 16206 | <i>When using composite fields in conditions on a form, the SDC does not convert the field correctly in the JSP code.</i> Corrected. |
| CR 16202 | <i>The custom menu displays incorrectly. When a custom top level menu is shown and more than one node is logged in, a gap appears between the + symbol and the item links. Also, the top level menu items are listed under each node but the node description is not displayed as a section heading i.e. in red.</i> Corrected. |

7.6 Version 9.1(1.4)

| CR Number | Description |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CR 16115 | <i>Setting Sort Criteria on a work queue does not work. A blank screen is always displayed.</i> Corrected. |
| CR 15984 | <i>Implement a new toplevel entry to the menu.xml file.</i> Implemented. See section 3.3.1 on page 5 for more information. |
| CR 15965 | <i>The Staffware Process JSP Web Client does not work when deployed on Web-sphere 5.0/5.1 with MQ series configured.</i> Corrected. |

7.7 Version 9.1(1.3)

| CR Number | Description |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CR 15714 | <i>Implement support for the GET and POST methods for retrieving login information from the JSP Web Client.</i> Implemented. See section 3.4.1 on page 6 for more information. |
| CR 15641 | <i>Cannot open sw_warn and sw_error messages from swadmin's work queue.</i> Corrected. |
| CR 15482 | <i>Implement support for Case Start precedence.</i> Implemented. See section 3.4.2 on page 6 for more information. |
| CR 15251 | <i>Implement Audit Case List Filtering.</i> Implemented. See section 3.4.3 on page 6 for more information. |
| CR 15157 | <i>Implement support for specifying how sub-lists should be loaded into the JSP Web Client.</i> Implemented. See section 3.4.4 on page 6 for more information. |
| CR 15155 | <i>Implement support for Memo fields.</i> Implemented. See section 3.4.5 on page 6 for more information. |
| CR 15154 | <i>Improve the performance of the Work Queue Search by specifying the type of cases you search for and the amount of work items that are displayed on the page.</i> Implemented. See section 3.4.6 on page 6 for more information. |
| CR 15021 | <i>Add a new log level called TIMING to log how long it takes the JSP Web Client Pages to execute.</i> Implemented. See section 3.4.7 on page 7 for more information. |

7.8 Version 9.1(1.0)

| CR Number | Description |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CR 13705 | <i>Implement support for changing the default folder display.</i> Implemented. See section 3.5.1 on page 7 for more information. |
| CR 13410 | <i>Implement support for changing the default display of work queues.</i> Implemented. See section 3.5.2 on page 7 for more information. |
| CR 13390 | <i>Implement support for changing the first page that is displayed when you login in to the JSP Web Client.</i> Implemented. See section 3.5.3 on page 7 for more information. |
| CR 13116 | <i>Implement support for defining custom menus.</i> Implemented. See section 3.5.4 on for more page 7 information. |
| CR 12999 | <i>Implement support for internationalization.</i> Implemented. See section 3.5.5 on page 7 for more information. |

7.9 Version 1.1(0.0)

For details of the CRs implemented in Version 1 of the product, please see the *Staffware Web Client (JSP Version) Version 1 Change History*, which you can find on the product CD in the **docs** folder.