

# **TIBCO Silver<sup>®</sup> Mobile**

## **Server Release Notes**

*Software Release 2.1*  
*February 2014*

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# Contents

<b>Preface</b> .....	<b>vii</b>
Related Documentation .....	viii
TIBCO Silver Mobile Documentation .....	viii
Other Documentation and Help: .....	viii
Typographical Conventions .....	ix
Connecting with TIBCO Resources .....	xi
How to Join TIBCOCommunity .....	xi
How to Access All TIBCO Documentation .....	xi
How to Contact TIBCO Support .....	xi
<b>Release Notes</b> .....	<b>1</b>
New Features .....	2
Release 2.1.0 .....	2
Release 2.0.0 .....	2
Release 1.1.0 .....	4
Changes in Functionality .....	6
Release 2.0.0 .....	6
Deprecated and Removed Features .....	7
Migration and Compatibility .....	8
Closed Issues .....	9
Known Issues .....	10



# Preface

TIBCO Silver<sup>®</sup> Mobile is a platform for running HTML5-based mobile web apps within a managed device and server runtime environment. Enterprise capabilities are provided via built in services and APIs. Portal, security, real-time data, and native device services are accessible via JavaScript and Java APIs for the client and server, respectively.

## Topics

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- [Related Documentation, page viii](#)
- [Typographical Conventions, page ix](#)
- [Connecting with TIBCO Resources, page xi](#)

## Related Documentation

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This section lists documentation resources you may find useful.

### TIBCO Silver Mobile Documentation

The following documentation can be found on the TIBCO download site:

- **Silver Mobile Install Guide** Describes how to install Silver Mobile Server for Windows and Unix.
- **Silver Mobile User Guide** Provides information on the key concepts, server and client API, examples, server admin console, server configurations and so on.

### Other Documentation and Help:

Additional sources of help include:

- **API Reference** For information on the server side API see the JavaDoc on the server at `SilverMobile/SDK/java/apidoc/index.html`.



## Typographical Conventions

The following typographical conventions are used in this manual.

Table 1 General Typographical Conventions


Convention	Use
<i>TIBCO_HOME</i>	Many TIBCO products must be installed within the same home directory. This directory is referenced in documentation as <i>TIBCO_HOME</i> . The default value of <i>TIBCO_HOME</i> depends on the operating system. For example, on Windows systems, the default value is C:\tibco.
code font	Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example:  Use MyCommand to start the foo process.
<b>bold code font</b>	Bold code font is used in the following ways: <ul style="list-style-type: none"> <li>• In procedures, to indicate what a user types. For example: Type <b>admin</b>.</li> <li>• In large code samples, to indicate the parts of the sample that are of particular interest.</li> <li>• In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, MyCommand is enabled: MyCommand [<b>enable</b>   disable]</li> </ul>
italic font	Italic font is used in the following ways: <ul style="list-style-type: none"> <li>• To indicate a document title. For example: See <i>TIBCO ActiveMatrix BusinessWorks Concepts</i>.</li> <li>• To introduce new terms. For example: A portal page may contain several portlets. <i>Portlets</i> are mini-applications that run in a portal.</li> <li>• To indicate a variable in a command or code syntax that you must replace. For example: MyCommand PathName</li> </ul>
Key combinations	Key names separated by a plus sign indicates keys pressed simultaneously. For example: Ctrl+C.  Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc, Ctrl+Q.
	The note icon indicates information that is of special interest or importance, for example, an additional action required only in certain circumstances.

Table 1 General Typographical Conventions (Continued)



Convention	Use
	The tip icon indicates an idea that could be useful, for example, a way to apply the information provided in the current section to achieve a specific result.
	The warning icon indicates the potential for a damaging situation, for example, data loss or corruption if certain steps are taken or not taken.

Table 2 Syntax Typographical Conventions

Convention	Use
[ ]	<p>An optional item in a command or code syntax.</p> <p>For example:</p> <pre>MyCommand [optional_parameter] required_parameter</pre>
	<p>A logical OR that separates multiple items of which only one may be chosen.</p> <p>For example, you can select only one of the following parameters:</p> <pre>MyCommand param1   param2   param3</pre>
{ }	<p>A logical group of items in a command. Other syntax notations may appear within each logical group.</p> <p>For example, the following command requires two parameters, which can be either the pair param1 and param2, or the pair param3 and param4.</p> <pre>MyCommand {param1 param2}   {param3 param4}</pre> <p>In the next example, the command requires two parameters. The first parameter can be either param1 or param2 and the second can be either param3 or param4:</p> <pre>MyCommand {param1   param2} {param3   param4}</pre> <p>In the next example, the command can accept either two or three parameters. The first parameter must be param1. You can optionally include param2 as the second parameter. And the last parameter is either param3 or param4.</p> <pre>MyCommand param1 [param2] {param3   param4}</pre>

## Connecting with TIBCO Resources

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### How to Join TIBCOCommunity

TIBCOCommunity is an online destination for TIBCO customers, partners, and resident experts, a place to share and access the collective experience of the TIBCO community. TIBCOCommunity offers forums, blogs, and access to a variety of resources. To register, go to <http://www.tibcommunity.com>.

### How to Access All TIBCO Documentation

After you join TIBCOCommunity, you can access the documentation for all supported product versions here:

<http://docs.tibco.com/>

### How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, please contact TIBCO Support as follows.

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

<http://www.tibco.com/services/support>

- If you already have a valid maintenance or support contract, visit this site:

<https://support.tibco.com>

Entry to this site requires a user name and password. If you do not have a user name, you can request one.



# Release Notes

Check the TIBCO Product Support web site at <https://support.tibco.com> for product information that was not available at release time. Entry to this site requires a username and password. If you do not have a username, you can request one. You must have a valid maintenance or support contract to use this site.

## Topics

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- [New Features, page 2](#)
- [Changes in Functionality, page 6](#)
- [Deprecated and Removed Features, page 7](#)
- [Migration and Compatibility, page 8](#)
- [Closed Issues, page 9](#)
- [Known Issues, page 10](#)

## New Features

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This section lists features added since the last major (1.0) release of this product.

### Release 2.1.0

- Silver Mobile Server supports a RESTFul API for managing various objects.
- Silver Mobile Clients now support caching the messages and events in offline mode.
- Server Admin console will display current user sessions.
- Silver Mobile Clients support API for retrieving all registered applications from the server.
- Silver Mobile server supports case-insensitive user accounts.
- Updates made on admin console are recorded in the internal database.
- Silver Mobile Core now supports the option to show the tab bar all the time.
- Silver Mobile Core now supports the option to open all links in the client.
- Silver Mobile client will notify the app and clean up the data when the user is disabled.
- Silver Mobile Client now supports Cordova 3.1.0.

### Release 2.0.0

- Event and Message now uses two different ids. SilverMobile Clients do not work with older versions of servers and vice versa.
- SilverMobile Clients now fully support Cordova API.
- SilverMobile Clients now can function in complete offline mode.
- SilverMobile messages can now be pushed to mobile devices when SilverMobile clients are not running.
- SMClient API is added to replace SMApplication.
- Android Tablets now support iPad look and feel.
- SMConnect supports new functions for deleting events and messages.
- SilverMobile Core provides options to hide/show Tab navigation bar and Message windows for Custom SilverMobile clients.
- Smengine supports customizable functions for debugging with Cordova.

- All legacy browsers that support HTML5 webkit (windows and blackberry for example) can use mobile web apps deployed to SilverMobile and get login, portal view, security and message/event features. They won't get native device capabilities.
- Customers can implement Cordova plugin extension with rebranded SilverMobile Client.
- getUnreadMessageCount function is moved to SMMessaging API.
- Application directories on the server have separate permissions and are open by default.
- SilverMobile supports two factor authentication for the clients and server.
- SilverMobile Core supports a custom start page for login and application navigation.
- The rebranded SilverMobile Client now supports custom portal page.
- Common java scripts such as smengine.js are now moved to webapps/js directory.
- iOS SilverMobile Core provides a project creation script for creating a rebranded client Xcode project.
- SilverMobile Client log can be configured from the server
- The document for SilverMobile JavaScript API is moved to doc directory in server.
- SilverMobile Core now supports an option for disabling the error dialog.
- SilverMobile Core provides blank login html page by default.
- Silver Mobile Client will use the same User Agent as the mobile browser.
- Smengine.js now works in the browsers on the Mobile devices.
- The number of retries and the delay for network connection error is configurable for the Silver Mobile Client.
- Last Login field is added to the User table and the field is updated every time the user logs onto the server.
- SilverMobile server provides smengine.js in minimized and debug versions.
- All existing examples are replaced by simplified versions
- SilverMobile Client will clear the local cache when the App is saved.

## Release 1.1.0

- Support offline mode: Users have the option to continue using the app when the mobile device is in offline mode.
- Support location tracking Javascript API: SMGeolocation supports tracking the current location of the mobile device. The updated positions are automatically sent as events to the server.
- Support Video Javascript API: SMMedia interface is added to support capturing videos and displaying a thumbnail for the video. The captured video is stored locally as a URI.
- Show messages when an app badge is tapped in the Portal View: Mobile devices will switch to Message List View when the message badge for an app is tapped in the Portal View.
- Support error handling for the Javascript API: SMApplication supports error callback that clients can register in order to receive general errors.
- New navigation interface for the mobile devices: iPhone and Android now use a tab bar for easier navigation to different views.
- Support single app mode: When a user who only has access to one app logs onto the Silver Mobile client, the client bypasses the Portal View and goes directly to the App View for that app. The Portal View is not accessible for that user until s/he reconnects with more than one app assigned, even if the apps available to that user change while s/he is logged on. If the user loses access to the sole app s/he is automatically logged off.
- Expand & contract the login view on mobile devices: The login view now exhibits accordion-like behavior. A more/less control is displayed above the login fields. When the user brings up the client for the first time, or any time after clearing out user data, all the login fields are displayed. The control allows the user to switch to 'less' fields. On subsequent logins, only the user name and password fields are displayed. The server name, use SSL, and remember user fields are hidden. The hidden login fields can be displayed if the user clicks "more".
- Streamlined message notifications on Android: An application will only have one notification outstanding regardless of the number of messages received. The notification is cleared after clicking on the notification.
- SMMessaging and SMConnector now support the sending of JSON data as a message. These messages are not visible to the user. A "data" field has been added to the SMMessaging input parameter to support this functionality.
- SMConnector supports new interfaces for listening to events and messages sent to the server.



- Support authentication by external source: Silver Mobile Server can authenticate against an external source implemented as the new hook mechanism.
- Support Message list and message view customization on the mobile devices: Different color styles can be used for messages and message lists windows.
- SMEvents and SMMessaging use JSON strings as the input parameters.
- Support re-branding of Silver Mobile Clients: Silver Mobile Client can be customized with company specific looks and be submitted to app stores.
- The functionality provided in smengine-sencha.js and smengine-jqm.js are now merged into smengine.js.
- SMAApplication supports additional functions: 1.eventGroup property: Returns the event group for the app. 2.showMessageListView function : Opens the native message list view for the app. 3.unreadMessageCount function: Gets the number of unread messages for the app.
- Javascript API to support file upload: SMFile API is added for uploading files.
- Display both the client and core library versions in the about screen: The About window will display both the Client version and the Core version.
- Support sending events to multiple applications: The eventGroup field has been added to Silver Mobile Applications so that multiple Silver Mobile Applications can be listening on the same event channel. Events sent to any single application in the group will be sent to all the applications in the group.
- Redesign of iPad UI: iPad now uses a split view controller interface. The App View is displayed on the entire iPad Screen. The Portal View is displayed in a sliding popover view on the left side of the screen. As in 1.0, the message list for an app may be displayed via a long press action sheet from the app's entry from the Portal View. The message list is now displayed in a popover view, as is the about page. The toolbar at the top of the screen provides buttons to refresh the app, display messages, show the about page, and logout from the client.

## Changes in Functionality

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This section lists changes in functionality since the last major (1.0) release of this product.

### Release 2.0.0

- silvermobileready event is no longer fired - use Cordova 'deviceready' event instead.
- SMApplication JavaScript API is replaced by SMClient. SMApplication is removed.
- SMFile JavaScript API is replaced by Cordova FileTransfer object. SMFile is removed.
- SMGeolocation JavaScript API is renamed to SMLocationTracking.

## Deprecated and Removed Features

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- The Public Directories feature in System Settings has been removed. The server will only enforce protected directory settings through the application settings.

## Migration and Compatibility

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- `sm-cordova-api*.2.2.0.js` is upgraded to `sm-cordova-api*.js`. The client pages need to change the javascript accordingly.
- Silver Mobile 2.1 Clients are not compatible with 2.0 Silver Mobile Server due to Cordova upgrade.
- Silver Mobile Server does not support Red Hat Linux 4.0 any more.
- Silver Mobile 2.0 is not compatible with version 1.1 and migration is not possible. See the installation guide for more information.

## Closed Issues

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The table in this section list issues that were closed in the named releases.

Closed in Release	Key	Summary
2.1	SMP-1025	SM client displays 20 extra pixels at the bottom of the page on iOS7.
2.1	SMP-909	Setting Safari "Block Cookie" to Always caused iOS Silver Mobile Client to fail.
2.1	SMP-925	Android Silver Mobile Client aborted when logout.

## Known Issues

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There are no known issues in this release.