



Release Bulletin

Sybase Brand Mobiliser 1.3

SP01

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Product Summary

Sybase® Brand Mobiliser enables consumers to use their mobile phones to interact with mobile applications by sending and receiving short message service (SMS) messages.

The Brand Mobiliser Web UI provides tools for visually composing mobile applications, testing using a built-in simulator, and deploying to the processing engine, ready to be used by mobile consumers. You can modify applications in real time to meet changing business needs, and redeploy them without disrupting service availability.

New Features for Brand Mobiliser 1.3

Sybase® Brand Mobiliser 1.3 includes new enhanced Javadoc and a default setup for development mode.

Redesigned State API with Better Javadoc

The State SDK has been completely revised to make it easier to use. The API documentation has been enhanced to provide more usage details. The previous State SDK no longer works in Brand Mobiliser 1.3. Existing states need to be refactored and recompiled with the new SDK. A new `AbstractDynamicMenu` provides a simpler base class to write a Send Menu state.

Documented in *Brand Mobiliser API Reference*.

Default Setup for Development Mode

The default setup of Brand Mobiliser refers to the setup after unzipping the software package and starting the server using the `bin/run` or `bin/run.sh` scripts, without modifying the configuration files. The development mode uses the embedded database with the database objects stored in the `derby` folder. To run in a production environment, reconfigure the development mode by pointing to the production database, reconfiguring the assigned port, setting up SSL and encryption, and so on.

Documented in *Brand Mobiliser Installation Guide > Setting up a Production System*.

Product Summary

Supported Hardware and Software

Brand Mobiliser hardware and software requirements include databases, operating systems, and Web browsers.

Supported Database Platforms

These database platforms have been tested and certified with Brand Mobiliser version 1.3.

Database	Version
Oracle	10g and 11g
IBM DB2	9.7.2

The standard Brand Mobiliser tiered architecture contains:

- Application layer
- Database layer

Database-tier minimum requirements are:

- 2 CPU cores
- 8 GB memory
- 50 GB storage

On average, the following records require the specified amount of disk space; however, sizes reflect data-file usage only, and do not include other RDBMS system files; for example, redo, undo, archive, and so on.

- Standard customer account record – 4 KB.
- Standard authorization record – 5.6 KB.

Server Requirements

Each Brand Mobiliser host must meet the requirements for operating system and JDK version.

Table 1. Supported Operating Systems

Operating System	CPU	JDK Version
Red Hat Linux 5.5	64-bit	1.6 or 1.7 (latest patch)

Supported Hardware and Software

Operating System	CPU	JDK Version
IBM AIX 6.1.0.6	64-bit	JRE 1.6.0 IBM J9 2.4 AIX ppc64

Supported Web Server Components

Brand Mobiliser version 1.3 SP01 has been tested and certified with these Web server components.

Table 2. Supported Web Server Components

Component	Version
SMPP Protocol	3.4
Mozilla Firefox	3.6+
Google Chrome	10+
Microsoft Internet Explorer	8+

Upgrading to Brand Mobiliser 1.3 SP01

Upgrade Brand Mobiliser Version 1.3 by installing support pack 01.

The name of the software patch file is `brand-patch-1.3-PATCH1.zip`.

1. On the deployment system, in *BRAND_HOME*, create a `patches` directory.
SAP® recommends that you keep a separate directory with applied patches, as a reminder of the current application version.

2. Copy `brand-patch-1.3-PATCH1.zip` to the `patches` directory, and unzip the file.

The `brand-patch-1.3-PATCH1` directory is created.

3. In the *BRAND_HOME*/`patches/brand-patch-1.3-PATCH1` directory, create a `backup` directory.
4. Copy the *BRAND_HOME*/`conf/config.properties` file to the `backup` directory.
5. Copy the contents of the *BRAND_HOME*/`patches/brand-patch-1.3.1-PATCH1/bundle/application` directory to the *BRAND_HOME*/`bundle/application` directory.

The contents are JAR and WAR files.

6. Update the Brand Mobiliser configuration:

- a) Open the *BRAND_HOME*/`conf/config.properties` file, and locate these lines:

```
${aims.app.dir}/mobiliser-brand-jpa-1.3.1.jar
${aims.app.dir}/mobiliser-brand-jpa-eclipselink-1.3.1.jar
${aims.app.dir}/mobiliser-brand-processing-1.3.1.jar
${aims.app.dir}/mobiliser-brand-rest-core-1.3.1.war
${aims.app.dir}/mobiliser-brand-webadmin-ui-1.3.1.war
```

- b) In each line, update the version number to 1.3.2, and save your changes:

```
${aims.app.dir}/mobiliser-brand-jpa-1.3.2.jar
${aims.app.dir}/mobiliser-brand-jpa-eclipselink-1.3.2.jar
${aims.app.dir}/mobiliser-brand-processing-1.3.2.jar
${aims.app.dir}/mobiliser-brand-rest-core-1.3.2.war
${aims.app.dir}/mobiliser-brand-webadmin-ui-1.3.2.war
```

7. Optional. Update the Apache Derby database. If you are patching a production system that uses a database other than Apache Derby, skip this step.

Brand Mobiliser includes an embedded Derby database out of the box. The default configuration runs using the embedded database, and is intended for use in development environments. The default configuration is not recommended for production environments.

The Derby database that was released with Brand Mobiliser version 1.3 was missing scripts that are required for setting unique column constraints for some tables.

To update the database, use one of these methods:

- Back up and upgrade – if there is nothing in the current database that you need, or if you can reproduce everything easily:
 - a. Copy the *BRAND_HOME*/derby/mwiz2 directory to the /backup directory that you created in step 3. Backing up the directory enables rollback if needed.
 - b. Copy the /mwiz2 directory from *BRAND_HOME*/patches/brand-patch-1.3.1-PATCH1/derby to *BRAND_HOME*/derby.
- Export applications, back up, and upgrade – if you have multiple applications that cannot be easily reproduced:
 - a. Export your applications to XML files. You can reimport the XML files after the database has been upgraded. See the *Brand Mobiliser Developer Guide* for information about how to export and import applications.
 - b. After you export your applications, follow the "Back up and upgrade" instructions, above.
- Patch with SQL scripts – if you cannot use either of the first two methods:
 - a. Download SQL client software that can connect to the database using JDBC, for example, Squirrel SQL. You need access to the embedded database file located in the *BRAND_HOME*/derby/mwiz2 directory.
 - b. Run the following scripts:

```
ALTER TABLE M_LANGUAGES ADD CONSTRAINT LANGAUGES_UQ_NAME UNIQUE (NAME);
ALTER TABLE M_PERMISSIONS ADD CONSTRAINT PERMISSIONS_NAME_UQ UNIQUE
(NAME);
ALTER TABLE M_USERS ADD CONSTRAINT USERS_UQ UNIQUE (USERNAME);
ALTER TABLE M_CLIENTS ADD CONSTRAINT CLIENTS_UK_NAME UNIQUE (NAME);
ALTER TABLE M_CLIENT_MSISDNS ADD CONSTRAINT CLIENT_MSISDNS_UQ UNIQUE
(MSISDN);
ALTER TABLE M_PLUGIN_INSTANCES ADD CONSTRAINT M_PLUGIN_INSTANCES_UQ
UNIQUE (NAME);
ALTER TABLE M_CUSTOMERS ADD CONSTRAINT CUSTOMERS_UQ_EMAIL UNIQUE (EMAIL);
ALTER TABLE M_CUSTOMERS ADD CONSTRAINT CUSTOMERS_UQ_MSISDN UNIQUE
(MSISDN);
ALTER TABLE M_CUSTOMER_ATTRIBUTES ADD CONSTRAINT CUST_ATTR_UQ UNIQUE
(CLIENTS_ID, CUSTOMERS_ID);
ALTER TABLE M_SESSIONS_ACTIVE ADD CONSTRAINT SESSIONS_ACTIVE_UQ UNIQUE
(CUSTOMERS_ID, CLIENTS_ID);
ALTER TABLE M_SESSION_ATTRIBUTES ADD CONSTRAINT SESSION_ATTRIBUTES_UQ
UNIQUE (SESSIONS_ID, KEY2);
ALTER TABLE M_SMAPP_STATE_TYPES ADD CONSTRAINT SMAPP_STATE_TYPES_UQ
UNIQUE (NAME);
ALTER TABLE M_SMAPP_STATE_ATTRIBUTES ADD CONSTRAINT
M_SMAPP_STATE_ATTRIBUTES_UK1 UNIQUE (SMAPP_STATES_ID, VERSION_ID,
ALTER TABLE M_SMAPP_STATE_LANGS ADD CONSTRAINT M_SMAPP_STATE_LANGS_UK1
UNIQUE (SMAPP_STATES_ID, LANGUAGES_ID, VERSION_ID);
ALTER TABLE M_SMAPP_APPLICATIONS ADD CONSTRAINT SMAPP_APP_FK_SN_UQ UNIQUE
(SHORT_NAME, VERSION_ID, CLIENTS_ID);
ALTER TABLE M_SMAPP_TRANSITION_TYPES ADD CONSTRAINT
```

```

SMAPP_TRANSITION_TYPES_UQ UNIQUE (NAME);
ALTER TABLE M_MENU_PAGES ADD CONSTRAINT MENU_PAGES_UQ UNIQUE (CLIENTS_ID,
SHORTNAME, VERSION_ID);
ALTER TABLE M_MENU_PAGES_LANGS ADD CONSTRAINT MENU_PAGES_LANGS_UQ UNIQUE
(LANGUAGES_ID, VERSION_ID, MENU_PAGES_ID);
ALTER TABLE M_MENU_TEXT_TYPES ADD CONSTRAINT TEXT_TYPES_UQ UNIQUE (NAME);
ALTER TABLE M_MENU_TEXTS_LANGS ADD CONSTRAINT MENU_TEXTS_LANGS_UQ UNIQUE
(LANGUAGES_ID, VERSION_ID, MENU_TEXTS_ID);
ALTER TABLE M_PATTERN_TYPES ADD CONSTRAINT PATTERN_TYPES_UQ_NAME UNIQUE
(NAME);
ALTER TABLE M_PROGRAM_EVENTS ADD CONSTRAINT PROGRAM_EVENTS_FK_SN_UQ
UNIQUE (ID, VERSION_ID, CLIENTS_ID);
ALTER TABLE M_PROGRAM_EVENT_SCHEDULE ADD CONSTRAINT
PRG_EVENT_SCHED_FK_SN_UQ UNIQUE (ID, VERSION_ID, PROGRAM_EVENTS_ID);
ALTER TABLE M_SUBSCRIBER_MASTER ADD CONSTRAINT UNIQUE_MSISDN UNIQUE
(MSISDN, LIST_ID)

```

8. Start Brand Mobiliser:

- On Windows – run .bat
- On Linux or AIX – run start

If Brand Mobiliser is already running, restart it – run restart.

To stop Brand Mobiliser – run stop.

To get the status of Brand Mobiliser – run status.

Known Issues for Brand Mobiliser

Learn about known issues and apply workarounds for Sybase® Brand Mobiliser.

Bug #	Description
N/A	<p>Issue: An error appears on the console when Brand Mobiliser is started in Windows using the default out of the box configuration, for example:</p> <pre data-bbox="302 477 1185 581">Wed Oct 10 12:05:47 PDT 2012 Thread[FelixStartLevel,5,main] java.io.FileNotFoundException: C:\..\log\derby.log (The system cannot find the path specified)</pre> <p>By default, the location of the Derby database error log is configured for Linux.</p> <p>Workaround: In the <code>derby.properties</code> file, change the location to:</p> <pre data-bbox="302 685 1185 720">derby.stream.error.file=..\log\derby.log</pre>
N/A	<p>Issue: Event application end time is not honored.</p> <p>An event continues to run with an expired Active To date. This can occur when the event stop date and time are later than the event application Active To date.</p> <p>Workaround: Set the event stop date and time to coincide with the event application Active To date.</p>

Obtaining Help and Additional Information

Use the Product Documentation site and online help to learn more about this product release.

- Product Documentation at <http://sybooks.sybase.com/> – online documentation that you can access using a standard Web browser. You can browse documents online, or download them as PDFs. The Web site also has links to other resources, such as white papers, community forums, maintenance releases, and support content.
- Online help in the product, if available.

To read or print PDF documents, you need Adobe Acrobat Reader, which is available as a free download from the *Adobe* Web site.

Technical Support

Get support for SAP® products.

If your organization has purchased a support contract for this product, then one or more of your colleagues is designated as an authorized support contact. If you have any questions, or if you need assistance during the installation process, ask a designated person to contact Technical Support as specified in your contract:

- Sybase Technical Support or the Sybase subsidiary in your area
- SAP Technical Support

Customers with an SAP support contract can obtain support for this product at the SAP support site, <http://service.sap.com/sybase/support>. You can also find information about Sybase support migration at this location (login may be required).

Customers with a Sybase support contract can obtain support for this product at <http://www.sybase.com/support> (login required).

Downloading Product Updates

Get maintenance releases, support packages and patches, and related information.

- If you purchased the product directly from Sybase or from an authorized Sybase reseller:
 - a) Go to <http://www.sybase.com/support>.
 - b) Select **Support > EBFs/Maintenance**.
 - c) If prompted, enter your MySybase user name and password.
 - d) (Optional) Select a filter, a time frame, or both, and click **Go**.

Obtaining Help and Additional Information

- e) Select a product.

Padlock icons indicate that you do not have download authorization for certain EBF/Maintenance releases because you are not registered as an authorized support contact. If you have not registered, but have valid information provided by your Sybase representative or through your support contract, click **My Account** to add the “Technical Support Contact” role to your MySybase profile.

- f) Click the **Info** icon to display the EBF/Maintenance report, or click the product description to download the software.
- If you ordered your product under an SAP contract:
 - a) Go to <http://service.sap.com/swdc> and log in if prompted.
 - b) Select **Search for Software Downloads** and enter the name of your product. Click **Search**.

Product and Component Certifications

Certification reports verify Sybase product performance on a particular platform.

To find the latest information about certifications:

- For partner product certifications, go to http://www.sybase.com/detail_list?id=9784
- For platform certifications, go to <http://certification.sybase.com/ucr/search.do>

Accessibility Features

Accessibility ensures access to electronic information for all users, including those with disabilities.

Documentation for this product is available in an HTML version that is designed for accessibility.

Vision impaired users can navigate through the online document with an adaptive technology such as a screen reader, or view it with a screen enlarger.

HTML documentation has been tested for compliance with accessibility requirements of Section 508 of the U.S Rehabilitation Act. Documents that comply with Section 508 generally also meet non-U.S. accessibility guidelines, such as the World Wide Web Consortium (W3C) guidelines for Web sites.

Note: You may need to configure your accessibility tool for optimal use. Some screen readers pronounce text based on its case; for example, they pronounce ALL UPPERCASE TEXT as initials, and MixedCase Text as words. You might find it helpful to configure your tool to announce syntax conventions. Consult the documentation for your tool.

For information about how Sybase supports accessibility, see the Sybase Accessibility site: <http://www.sybase.com/products/accessibility>. The site includes links to information about Section 508 and W3C standards.

You may find additional information about accessibility features in the product documentation.

Obtaining Help and Additional Information