

b4m



business
for mobile

Version 3.1.1 – 12.2022

Release Notes

1 Welcome to business4Mobile 3.1.1

Business4Mobile 3.1.1 is a Current Release (CR). The Current Release model allows customers to consume new features at the earliest possible juncture. This contrasts with the Stable Release, which guarantees stability in terms of the feature set within Business4Mobile.

2 Product Overview

Business4mobile is a solution for real-time access to any SQL compliant database like Microsoft SQL Server, Oracle, PostgreSQL, MySQL, IBM DB2, and API from a client connected to the Internet or from PC, MAC, Linux, iPad. The product is made up of 2 functional modules:

- **B4M-ADMIN:** This is the product administration interface. It is in this part that the management of data sources, folders, users, and the management of requests will be managed. The interface also handles client information, mail server configuration, general configuration such as the choice of the number of elements to be displayed on the data tables. The logs are also included in this part, they provide information about the users who have connected to the application and the users who have had to execute requests. Finally, the interface contains a dashboard.
- **B4M-CLIENT:** This is the user interface. This is where the list of folders to which the client has access is displayed. It is in the client area that he will be able to execute queries and visualize their results in the form of a data table and graphs. The user will be able to consult his dashboard and set the parameters of the queries he wants to see on his dashboard; this user interface is accessible on a web browser, a mobile tablet, or a smartphone.

For a more detailed description, please refer to the user manual.

3 What's new in version 3.1.1

The most visible changes in this new version consist of ergonomic improvements with a redesign of the interfaces to provide a more up to date and refined frontend.

However, the entire web server part has been revised, notably with a change in architecture, the use of new technologies or libraries. The result is: improved performance and increased interoperability thanks to the implementation of Restful APIs.



3.1 Version 3.1.1

3.1.1 Updated user interface

One thing immediately noticeable about B4M 3.1.1 is the new light theme.

User interface is built with Angular which is the major change in the new version.

3.1.2 Improvements

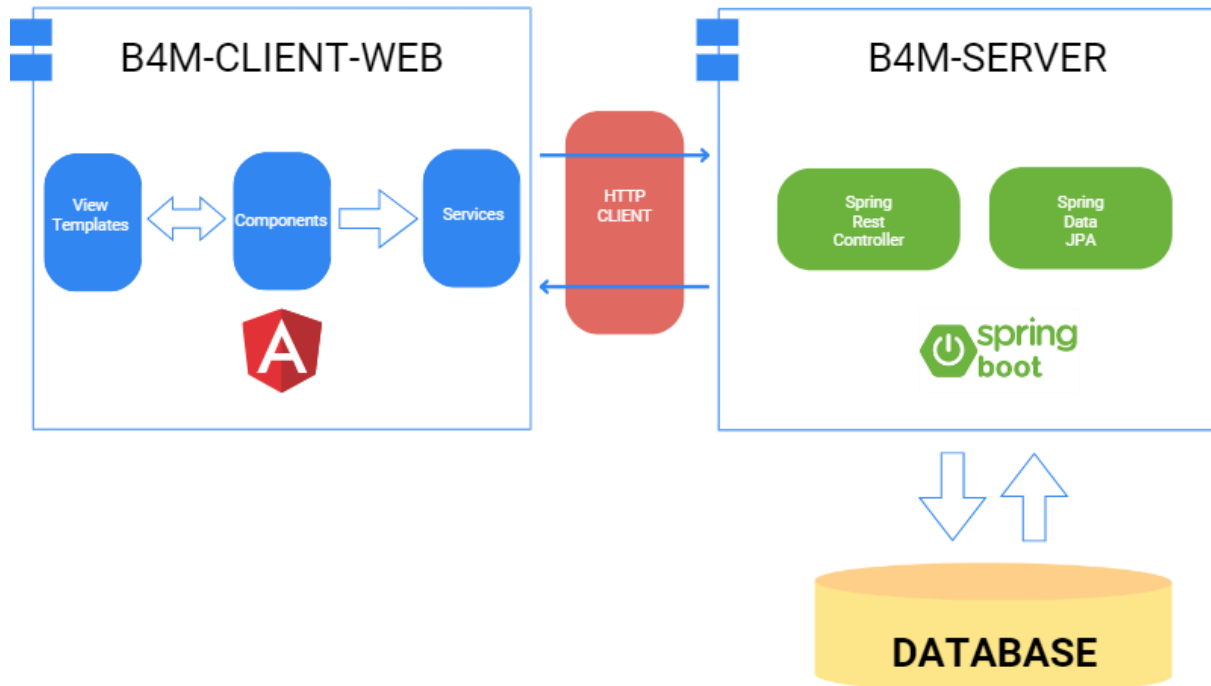
- 1-** We have added a button in B4M-CLIENT as in B4M-ADMIN allowing the user to see his dashboard.
- 2-** We have added a settings button on B4M-CLIENT to allow the user to configure his table. The configuration consists of choosing whether or not to display the list of queries, the graph section and the query result table section. If the graph and query result table sections are displayed, then we give the user the possibility to choose two graphs and two queries on each section to display them on his dashboard.
- 3-** The user himself can modify his own information on his profile and his password.
- 4-** When the user forgets his password, he can reset his password by email. This action is possible if the mail server configuration has been done on B4M-ADMIN.
- 5-** On B4M-ADMIN, the creation of a file and a request is divided into steps.
- 6-** We have divided the parameters of B4M-ADMIN into three tabs: the first tab allows the user to modify the client information; the second tab allows the user to configure the mail server; the last tab allows the user to choose the number of elements per page that each table should contain but also allows him to select the elements that should appear on his dashboard.
- 7-** We have added an interface allowing the user, if he is a super administrator, to see a table of the different users who have connected to the application and the users who have executed requests.
- 8-** API data sources have been added. This is an important evolution in data sources.
- 9-** The admin can now configure the mail server in B4M-ADMIN to send the results of requests.
- 10-** User login, query execution and other operations are now logged.



3.1.3 Architecture

The B4M application is now composed of three layers:

- 1- DATABASE (MYSQL)
- 2- B4M-SERVER (Backend server - Spring boot 2.7 - Java)
- 3- B4M-CLIENT-WEB (Frontend - Angular 13)



Prerequisites for installation:

- Java 11
- Maven v3.8.
- Web server (Apache or Nginx)
- [MySQL](#) or [MariaDB](#) database version 5 or higher.
- [Git](#).
- [NodeJS](#) v16.14.2
- [NPM](#) v8.5.0

For more details regarding installation process, refer to the installation guide (*)

In the previous version of the product, we separated B4M TOOLS and B4M ADMIN. In version 3.1.1, we merged the two modules into one module called B4M ADMIN.

3.2 New features

B4M 3.1.1 provides:

- A dashboard and a settings area on B4M ADMIN and B4M CLIENT.
- API like Data source.
- B4M is available in API.
- An area reserved for logs on B4M ADMIN.

3.2.1 Workaround

Thanks to the responsive design applied, the version 3.1.1 of the application will be accessed from a web browser for mobile devices (tablet, smartphone).

