

EXPERT INSIGHTS

THE MOBILE PLATFORM THAT OPENS THE DOORS OF THE SI



Access to company data for mobile applications is a recurring topic that still raises the same questions:

- How to cross the door of my SI?
- How secure access to business services?
- How to exhibit my data to my mobile applications?
- How federate services around a single entry door?
- How to optimize data flow?
- How to access data on mobile offline while preserving the business logic application?

An application must be able to consume data from different systems. Many companies have had an approach SOA (Services Oriented Architecture) in recent years. The mobile platform allows to build on existing services and create new services connected to data or enterprise business applications.



MBaaS the mobile platform (Mobile Backend as a Service) published by Convertigo Company addresses these issues.

How to cross the door of my SI?

An application consumes services typically only accessible from the internal network of the company. The opening in the DMZ (Demilitarized Zone) to several services poses a security problem by overexposure. The implementation of an MBaaS platform can open only one access door offering a set of services. Comment sécuriser l'accès aux services métiers ?

How secure access to business services?

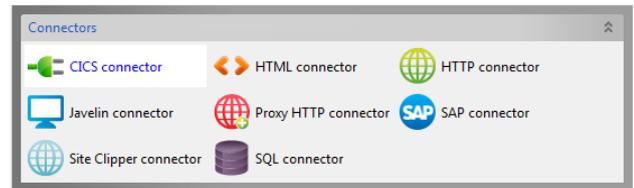
The MBaaS platform is available on the https protocol and supports authentication based on various services such as LDAP directories or identity federation based on SAML or OAuth protocols.

Access to services available on the platform requires authentication to be proposed by the mobile application.



How to exhibit my data to my mobile applications?

The server component of the platform MBaaS Convertigo provides a set of connectors to access databases and enterprise business applications. The data can then be sent as such or transformed with sequences to change the format and / or reduce the volume of flow that will be consumed by mobile applications.



How federate services around a single entry door?

The server, central point of the MBaaS platform hosts all services for all mobile business applications. The services can be shared or dedicated to mobile applications. Applications access a single server accessed by DMZ.

How to optimize data flow?

The data provided by the connectors can be transformed to target only the information needed by the application. The server has a storage space to cache data for responding to requests of applications with optimized response times.

How to access data on mobile offline while preserving the business logic application?

The platform includes a synchronization technology based on local databases and NoSQL server to allow mobile users to manage and edit data locally on the mobile. When the network connection is alive, the data is synchronized by triggering trades shares on the server for their updates in the "back end".

Additional information

The Convertigo platform consists of an IDE (Eclipse-based design tool that allows you to compile hybrid multiplatform mobile applications and creating services or sequences), a J2EE server application (the MBaaS platform) and SDK for development of native iOS applications, Android, Windows Phone and Xamarin.

Econocom is a partner company of Convertigo as an integrator of the solution, guaranteeing a level of expertise in the implementation of MBaaS platform. The partnership was signed in response to our feedback integration of the platform.

More information on the platform by visiting this link:

<http://download.convertigo.com/webrepository/Marketing/ConvertigoTechnologyOverview.pdf>





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Jean-Philippe Valentin has over 23 years' experience in IT. Passionate about new technologies and particularly new devices, Jean-Philippe is a specialist in mobile app development, from Microsoft Windows Mobile to Windows 10 Universal Apps, and from iOS and Android platforms to cross-platform tools (Apache Cordova/Xamarin). He joined Econocom-Osiatis's Digital Application Services BU in May 2004 as a Consultant and Mobility Expert and as such is in charge of building and promoting the Mobility offering and managing the mobile development teams at the Services centre in Lyon.

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