



plug bi PLUGBI SERVER

The Smart Engine for Your Ultra Agile Enterprise

The PlugBI artificial intelligence (AI) engine's unique ability to turn your business teams' visual specifications into application logic holds the key to the platform's "no code, no programming" promise. PlugBI Server is the runtime server for all your PlugBI apps. Its unique architecture enables in-memory management of the data sets ("PlugBI Business Views") required by your apps, generation of all application logic per your business teams' visual specifications, and their runtime execution.

Intelligent In-Memory Data Management

Leveraging a breakthrough in-memory architecture, PlugBI Server is the scalable engine that lets you address all your application needs (transactional, business intelligence, collaborative, simulation, performance management and even Big Data) via a single software platform in the hands of business teams. At runtime, unstructured data sets are retrieved from the PlugBI Business Data Lake, and PlugBI Business Views are built and stored in-memory – for ultra fast consumption by all your PlugBI apps.

The PlugBI Server ensures all transactions written to in-memory PlugBI Business Views are relayed in real-time into the underlying PlugBI Business Data Lake's persistent store.

Smart Generation of All Application Logic

Using the powerful PlugBI Designer plug-in for Excel, business teams visually specify their apps' interfaces. The PlugBI Server's exclusive artificial intelligence (AI) engine then turns those visual specs into web application logic. PlugBI apps offer best-in-class support for all existing enterprise information management paradigms including transactions, reporting, dynamic dashboards, portals, collaboration, what if scenarios, simulations and performance management.

Your apps' interfaces can offer basic features (dropdown, inputs, tips, notifications, alerts...), advanced functionality (workflow, dynamic menus, dynamic calculation, simulation, visual indicators...) and even widgets (charts, maps, gauges, dynamic arrays, ad-hoc tables with filter, process...) Apps with full read, input and calculation capabilities are possible on the largest data sets ("Big Data").

Runtime Execution of All Your PlugBI Apps

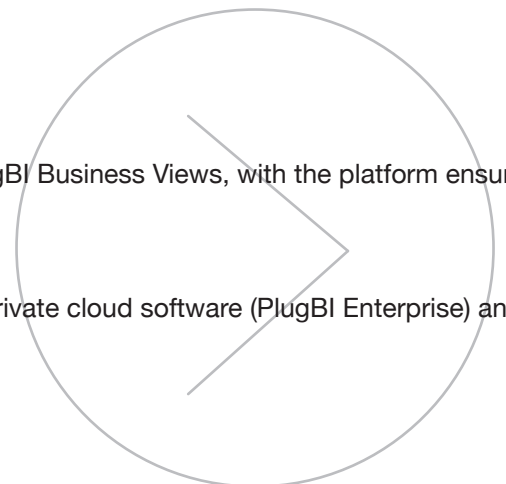
At runtime, PlugBI Server executes all apps at scale against in-memory PlugBI Business Views, with the platform ensuring all transactions are safely committed into the data lake.

Available as Software or Platform-as-a-Service

The PlugBI platform is available as traditional "installable" on-premises or private cloud software (PlugBI Enterprise) and as an elastic cloud-based Platform-as-a-Service (PlugBI Cloud).

"PlugBI has allowed us to build applications that perfectly reflect our working practices and streamline our business practices."

Director of Operations at leading
high street retailer



PlugBI allows companies to enjoy the best of private, hybrid and public cloud architectures. Your apps developed in the cloud can rapidly be moved to an on-premises instance, and the opposite is possible as well.

PlugBI Cloud

The global Platform-as-a-Service (PaaS) version of the PlugBI platform supports deployments of any size, from workgroup apps serving just a few colleagues to enterprise-wide systems accessed by thousands of end users.

PlugBI Cloud's online data storage capabilities support any data set size, from simple apps with just a few gigabytes of data to large Big Data stores in support of today's most voluminous CRM apps for instance.

PlugBI Enterprise

The installable software version of the platform lets you set-up PlugBI instances in your data center or private cloud. Our Professionals Services team offers architectural and hardware guidelines that ensure on-premises or private cloud implementations scale to support your business needs.

Enterprise Scalability and Performance

Whether you choose to deploy your PlugBI system in house or take advantage of the elastic PlugBI Cloud solution, our Big Data architecture lets you handle virtually unlimited data volumes. A PlugBI Enterprise customer recorded the following performance metrics:

- o In-memory compute of PlugBI Business View: 250,000 rows in 10 seconds
- o Simple web dashboards: 2 charts in less than 1 second.
- o Simple web reporting dashboards: up to 9,000 indicators calculated in less than 4 seconds.
- o Export of MS Excel table in less than 1 second.
- o Display of data entry screen in less than 1 second.
- o Saving of data entry form (roughly 50 data entry fields) in less than 4 seconds.
- o Nearly instantaneous validation of a workflow step.

Key Features

1. In-memory data management ("PlugBI Business Views")
2. Creation of app logic per business teams' visual specifications
3. Support for transactional, collaborative, embedded BI, simulation and Big Data apps
4. Scalable runtime execution of all PlugBI apps
5. Data integrity management
3. Fine-grained user permission management

Key Benefits

- „No code, no programming“ enterprise-grade web apps.
- Best-in-class transactional, collaborative, embedded BI, simulation, performance management and Big data capabilities.
- Enjoy the best of private, hybrid and public cloud architectures.
- Enterprise scalability, availability and performance

Software Requirements

PlugBI Enterprise is a standard three-tier J2EE web application running against customers' relational or NoSQL database of choice. Software requirements for a typical installation are:

- o PlugBI Server and PlugBI Data Lake Builder running on a standard Tomcat server or any J2EE server of choice (Oracle Fusion Middleware, IBM Websphere).
- o An HTTP Apache server, in support of multi-instance deployments and to address possible reverse proxy needs.
- o A Microsoft IIS server if there is a need to connect PlugBI to a Microsoft Active Directory LDAP Server.
- o A relational (Oracle, Microsoft SQL Server) or NoSQL database (HBase, Hadoop) to house the PlugBI Business Data Lake.
- o Microsoft Excel 2003 and up for domain experts and consultants who create applications.

Hardware Requirements

While hardware requirements vary based on end user count and the volume of data in the PlugBI Business Data Lake, a typical recommended hardware set up for an on-premises PlugBI Enterprise instance is as follows:

- o Processor: **Core i3 or above**
- o Architecture: **64 bit**
- o RAM: **24 GB DDR3 ECC**
- o Disk: depends on your PlugBI Business Data Lake size
- o Server network card: **10 Gbps**