

SAP® MaxDB™ Enterprise Edition

NEW

SAP DBMS now also available for professional use outside the SAP Business Suite

The database management system SAP MaxDB is now also licensed as Enterprise Edition for professional use outside the SAP world. Thus, SAP users already using SAP Business Suite applications on a MaxDB runtime license, are being presented with an entirely new perspective: As of now they can tap into all the benefits of a full license product ideal for applications also outside the SAP world—including professional support and the maintenance commitment of SAP.

Infolytics AG is currently the only authorized SAP OEM partner entitled to sell this license. In addition to the original DBMS software from SAP, the bundle *SAP MaxDB Enterprise Edition* also includes Infolytics' own product, *Mobile DB Monitor for SAP MaxDB* for the remote monitoring of databases.

There are many good reasons for the use of SAP MaxDB outside the Business Suite:

► Full License

The Enterprise Edition is *the* license for all SAP users who would like to take advantage of “their” DBMS also outside the world of SAP applications at a reasonable cost, but at the same time do not want to or cannot do without professional support, and full software maintenance. This entitlement is even more significant when self-developed, MaxDB-based applications are passed to a third party—possibly even outside of the own company—with full support obligation.

► Professional service

SAP SE naturally does not supply maintenance for the free *Community Edition* and is also not offering help desk support anymore. This is different with the Enterprise Edition: Of course it is not free of charge, but nevertheless reasonably priced, yet with full maintenance. The mandatory maintenance agreement covers everything from help desk up to last-level support (for which SAP is responsible).

► Service offers à la carte

Those who wish to roll out their database applications within their company, or those who would like to license applications based on MaxDB as a Value Added Reseller to third parties, need professional support. Be it, in the form of specialized training, as conceptual consulting on database design, or through targeted

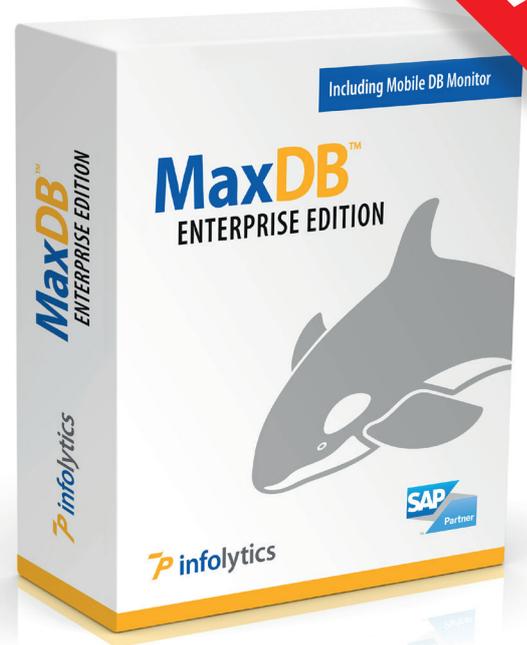
DBMS tuning support, Infolytics offers the entire portfolio first-hand with designated MaxDB experts. The offer is completed by professional help dealing with the migration of data and applications from any relational database to MaxDB.

► Flexible pricing models

The SAP MaxDB Enterprise Edition is licensed depending on the application scenario according to two different models. The *on-premise license* is aimed at companies that operate the DBMS software in-house, or to Value Added Resellers (VAR) who market their own application solution bundled with the SAP database to end users. The *ASP license*, however, is intended for application service providers running a data center and offers such as *software as a service*. Pricing is either CPU-based (from 1,750 € per CPU with 4 cores) or seat-based (base price: 80 € per concurrent user; minimum quantity: 20). If a site has several servers (CPUs/cores) or larger numbers of users, quantity discounts are granted, and for very large installations the *value contract model* is available.

► Commitment to platform variety

SAP MaxDB continues to support all SAP relevant platforms and will also remain so for many years due to the usual SAP maintenance guarantee. Unlike other database systems, which are discontinuing the support for operating systems with apparently decreasing market significance, SAP MaxDB runs equivalently on servers like HP-UX (Itanium 64) or IBM AIX (Power).



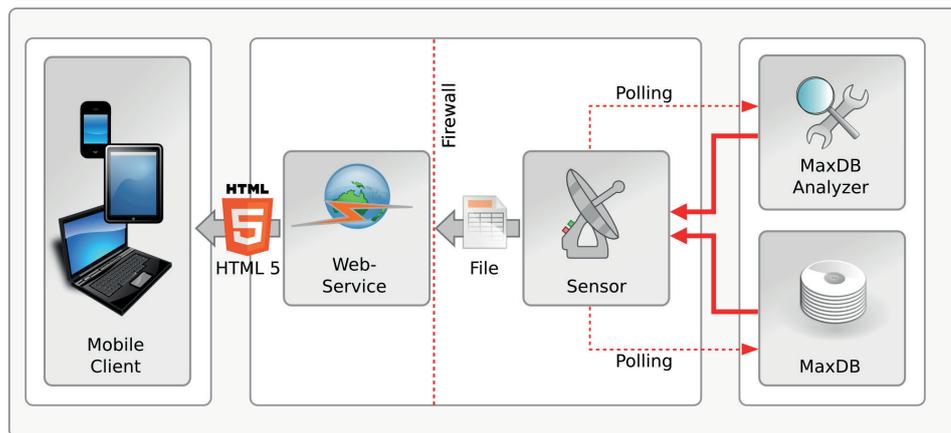
Infolytics Mobile DB Monitor: Comfortable remote database monitoring with alert function

As an add-on to the MaxDB DBMS, the *Enterprise Edition* provides *Mobile DB Monitor*, a monitoring tool for operational applications running on SAP MaxDB. It serves DBAs who constantly require to keep an eye on the state of their production databases and serves as a remote monitor for all database instances. The particular advantage of the solution: Mobile DB Monitor can be used with HTML5-enabled Web browsers also outside the firewall. On mobile devices such as smart phones or tablets—and all of this without an “app”.

The monitor keeps the fill level of data and log volumes of MaxDB databases, the processor and memory utilization of the servers, and other relevant parameters under surveillance. In doing this, the monitor makes use of the data that *Database Analyzer* provides. Status bars indicate in traffic light colors the degree to which thresholds are reached. Should a database instance be in the “offline” status or a critical threshold value is exceeded, the monitor signals this immediately by e-mail or Twitter.

The software consists of two components: A sensor, running on the back-end which senses current state information using polling at configurable intervals. The collected data is aggregated and formatted to reports that are current up-to-the-second. A Web service provides the information then in the form of HTML5 pages. At the same time the server-centralized architecture offers a high degree of safety. Since the browser can only retrieve information from the Web service, there is no possibility to invade the underlying systems.

The sensor architecture is designed so that it can also be used for the monitoring of other software systems. New sensors can be implemented as a plug-in with little development effort.



With the add-on Mobile DB Monitor, a sensor permanently keeps MaxDB database instances under surveillance and provides the latest status data available via a Web service to mobile devices with HTML5 browsers.

Does migration to MaxDB still make sense?

In making its HANA announcement, SAP AG has documented its intention to enter the database business even stronger. It is obvious that SAP with HANA want to first replace the databases underlying the BW systems and plan to migrate the transaction systems to HANA at a later stage. This not only affects the “foreign” systems Oracle, DB2 and SQL Server, but also SAP’s own (Sybase) ASE and MaxDB.

Regardless of whether you want to jump on the HANA bandwagon or not, it pays to keep the running costs for the operation of SAP systems as low as possible. For example, through the replacement of existing systems by the MaxDB database which is, in its maintenance, significantly less expensive. This is especially true when a hardware procurement is pending or the operating system platform is to be changed.

Last but not least: There is some evidence that a future migration from MaxDB to HANA will take place more smoothly than from other database systems.

Help desk also for the Community Edition

Infolytics has a dedicated offer: help desk support, which helps in all matters relating to MaxDB. Also ideal for MaxDB users who have no need for a full license, and for whom the free *Community License* sufficiently suits their purposes.

Enhancements in current versions

The current versions 7.8 and 7.9 are providing a number of new features that will help to increase the performance of MaxDB instances—in some cases drastically—to optimize the use of computing resources, or to improve data security; including:

Auto Shrink of Data Volumes

The *Database Manager* command *auto_shrink* automatically deletes data volumes, if the filling rate is below a configured threshold level.

Faster CREATE INDEX

Index creation time is improved, because temporary result sets are read asynchronously via pre-fetching plus *clustered read* is supported, if needed pages are located in the same volume area.

Compressed and encrypted backups

Automatic compression/decompression of backups plus automatic encryption/decryption of backups is now supported (NB: encryption/decryption of backups requires *SAPSECULIB*).

Parallel log writing

Additional *log partitions* can be added at any time to enable parallel log writing with the benefit of possibly speeding up log write I/O.

Data cache pinning for tables

Two optional settings *[NO]CACHE* for the *CREATE TABLE* statement were introduced to either keep that table longer in data cache or remove it earlier than usual. The database parameter *DataCachePinAreaThreshold* specifies the maximum percentage of data cache reserved for tables with the *CACHE* attribute.

Adjust usable CPUs during online operation

The database parameter *UseableCPUs* allows to dynamically increase/decrease the CPU limit for the SAP MaxDB process.

Improved locking during UPDATE STATISTICS

Instead of having a share lock set until all samples for a table have been collected, now locks are set and released for each sample, which allows other tasks to access the data in between.

Dependable platform variety for SAP MaxDB

Windows Server 2008/2012 (x86-64)
Linux SUSE SLES 11(x86-64/Power)
Linux Red Hat 6 (x86-64/Power)
Solaris 10/11 (SPARC/x86-64)
HP-UX 11.31 (IA-64)
AIX 6.1/7.1 (Power)

Information source Open MaxDB Group

There is a variety of information about SAP MaxDB by the user initiative Open MaxDB Group (OMDG) including a collection of links to the MaxDB-related pages on the SAP AG Website, and including the download links to the *Community Edition* and the *Community License*.
See: <http://open-maxdb-group.org>