

HIGH-SPEED BI PLATFORM WITH ORACLE TIMESTEN IN-MEMORY DATABASE AND ORACLE BUSINESS INTELLIGENCE

Fujitsu M10 server is a flexible and scalable system that delivers high performance and high availability for mission-critical enterprise applications. It is the ideal platform to grow with expanding business requirements.

UNMATCHED SCALABILITY,
MAINFRAME RELIABILITY, AND
INDUSTRY-LEADING VIRTUALIZATION

KEY FEATURES

- This enterprise server has up to 64 processors (up to 1,024 cores) and huge memory capacity (up to 64 TB) for superior enterprise application performance.
- The new SPARC64 X+ processor up to 3.7 GHz and 3.0 GHz SPARC64 X processor, with supercomputer technology, provides the highest level of performance for resource intensive enterprise workloads such as OLTP, ERP, BIDW, SCM, and CRM.
- With Fujitsu M10-4S, performance can be further enhanced by connecting multiple units together like building blocks. Furthermore, Fujitsu M10-4S supports mixed SPARC64 X unit and X+ unit in a single system.
- Software-on-chip instructions on the SPARC64 X and X+ processor accelerate key database functions.
- Flexible resource configuration using, physical partitioning, Oracle VM Server for SPARC and Solaris Zones virtualization technologies.
- The CPU core activation feature economically and rapidly delivers on capacity requirements along with increases in throughput, making it possible to have gradual increases in performance.

Combine Various Data Sources to Develop New Business Opportunities

Next level IT systems not only require support for decision-making, optimization, and productivity improvements, but also the ability to combine various types of data and develop new business opportunities. Currently the following challenges remain with existing technology:

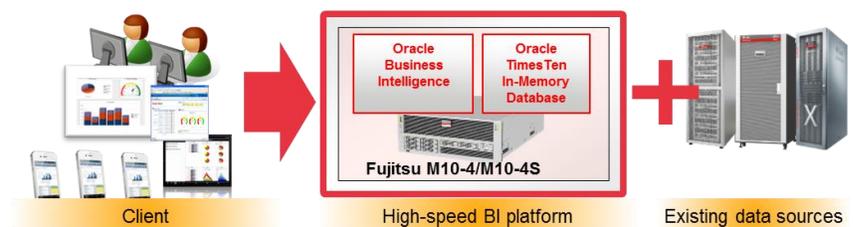
1. Processing performance: Performance degradation as data volumes increase
2. Information use: Support for various types of media that continues to diversify



Combine various data sources to develop new business!

By simply combining Fujitsu M10 and Oracle middleware to the existing data resources, a high-speed BI platform can be formed (Oracle TimesTen In-Memory Database^{*1} and Oracle Business Intelligence^{*2}).

1. By switching to in-memory with Oracle TimesTen In-Memory Database, and with the high-speed and large memory of Fujitsu M10, high-speed responses can be possible even with increased data volumes.
2. With Oracle Business Intelligence's latest user interface, support is available for various uses, including mobile devices. Even with an increase in users, Fujitsu M10-4 and M10-4S can be configured with up to 64 cores per chassis, providing optimum scalability.
3. By centralizing information onto a BI platform, individual tasks can be minimized and costs reduced without altering the existing database.



BI: Business Intelligence

(*1) What is Oracle TimesTen In-Memory Database?

Database software designed to operate in the application tier and store all data in physical memory.

(*2) What is Oracle Business Intelligence?

A comprehensive software suite of analysis tools designed to help you better grasp and understand the condition of your business.

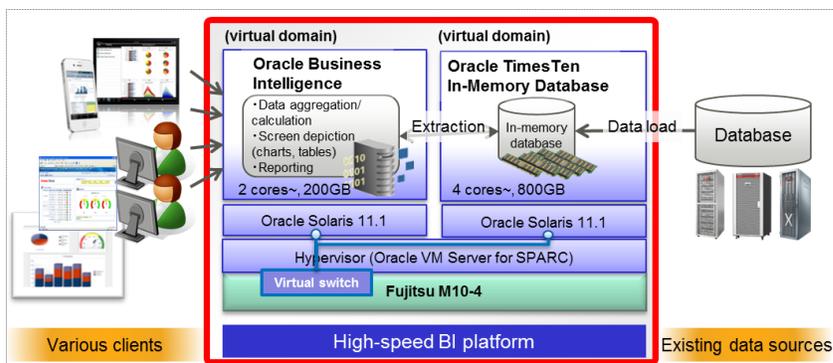
Speed up Decision Making with New Fujitsu M10 Technology

The combination of Fujitsu M10 + Oracle TimesTen In-Memory Database + Oracle Business Intelligence, can dramatically increase decision-making efficiency.

- **Big memory, 2x that of an IA server (max 4TB on a 4-CPU system)**
A large-scale in-memory database can be achieved that has the capacity to analyze larger volumes of data. With Fujitsu M10-4, using a minimum of 4 activated cores, up to 4TB of memory can be installed per chassis.
- **High-speed response**
In-memory databases are sped up thanks to the low latency memory and wide memory bandwidth of SPARC64 processors.
Utilizing Oracle VM Server for SPARC virtualization technology and running TimesTen with BI on a virtual domain, communication between TimesTen and BI will occur within the unit. This thereby delivers greater speeds and a higher performance. Performance is even further enhanced thanks to Fujitsu M10's Software on Chip design.
- **Server consolidation + optimal licensing**
With a normal PC server, licenses are required for all CPUs when Oracle TimesTen In-Memory Database and Oracle Business Intelligence are implemented into a virtual environment. However with Fujitsu M10, licenses only need to be purchased for CPUs where a product is assigned by Oracle VM Server for SPARC, thereby optimizing licensing fees. Additionally, leveraging the scalability of Fujitsu M10 can ensure server consolidation is possible even with the existing databases.

Configuration example

Registered users: 500 (100 simultaneous users), average BI dashboard screen response time: approx. 1 second, BI result cache hit rate: assuming 50%



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