



BMMsoft EDMT SOLUTION WITH HP, INTEL AND SYBASE

Managing and analyzing data from all sources – structured and unstructured

Solution brief

Headline-making problem

Research shows that more data will be created in the next 12–18 months than has been created during the entire human history. This is the “Big Data” problem—and these growing data volumes and accompanying analyses are causing headaches.

As more data is generated, it must be stored and must meet increasingly strict compliance regulations. In addition, as information is gathered from more sources—structured and unstructured—business intelligence solutions must be able to access and analyze it. And as the storage ecosystem continues to grow at a very rapid rate, every organization searches for new ways to cut storage costs.

Today BMMsoft, together with HP, Intel® and Sybase, have a remedy for all these “Big Data” challenges, all at once.

Resolving your “Big Data” problems

By working together, we offer EDMT—E-mails, Documents, Multimedia and Transactions—the only solution available today that provides large-scale storage and cross analytics to meet all “Big Data” challenges, utilizing both structured and unstructured data. The result is the EDMT Solution, a superior solution for Social Network Analysis, Audit, Fraud Detection, eDiscovery, Data Retention and Compliance, CRM, Security Threat Analysis, Money Laundering, and other applications that require heavy cross-analysis of structured and unstructured data.

This advanced solution leverages the power of HP Converged Infrastructure—where best-

in-breed software, powerful scale-up Intel/Linux servers and highly reliable storage work together seamlessly to enhance your IT infrastructure and resolve your “Big Data” problems.

Your solution benefits

- **Advanced data analysis.** Social Network, Audit, Fraud Detection, eDiscovery, Data Retention and Compliance, Security, Threat Analysis, Money Laundering, CRM, and other applications that require in-depth cross-analysis of structured and unstructured data.
- **Real-time data ingest and instant search.** The EDMT Solution is able to capture e-mails (with attachments), files and database transactions in real time and make them available for searching in under two seconds. Basic searches produce results in less than a second, while complex cross analyses are completed in 1–300 seconds.
- **Massive scalability and flexibility.** The EDMT Solution can capture tens of terabytes (TB) of data per day, and it is certified to handle over a petabyte (PB) of data. Unlike other solutions that have a fixed disk-to-server ratio, the EDMT Solution can be configured with any storage (72–40,000 TB) and any number of servers (1–12,000). Such flexibility enables effective data management for even the largest global corporations.
- **Greater storage efficiency.** Independent testing shows that the EDMT Solution demonstrates a 91% reduction in storage size, cost and power usage when compared to conventional solutions. Such storage efficiency is achieved by combining single-instance storage (SIS),
- lossless data compression, deduplication and a highly efficient data access pattern that reduces I/O to disks. For \$1, the EDMT Solution can store, search and cross-analyze 10,000 e-mails or 1 million SMS or 5 million (150-byte-wide) DB records.
- **Better data security.** Unlike traditional file systems used by most content management or archive applications, the EDMT Solution is built on a relational database backend that is inherently secure from outside hackers and malicious code attacks. The EDMT Solution “shreds” data (by distributing and encrypting it) in a manner that is undecipherable to an intruder.
- **Continuous e-mail and file backup.** The EDMT Solution captures e-mails as soon as they are received or sent by the e-mail server, providing continuous real-time e-mail backup. This eliminates the potential problem of data loss between backups. Restores of the e-mail server are fast and selective (e.g., Call Center data first).
- **Reactivation or deletion of data from tape archives.** The EDMT Solution can cost-effectively reload archived data from tapes, and in doing so can reactivate records that would otherwise be inaccessible for analysis. During that process, expired or unnecessary data can be deleted to reduce legal and other liabilities.
- **Ability to do more with less.** In today’s uncertain economy and shrinking IT budgets, the EDMT Solution does “more with less.” Multiple jobs can be completed with a single tool, which reduces purchase, training and support costs. Using a single, multi-functional



and fully integrated solution requires a smaller IT team to perform multiple tasks. And the fully-integrated functions in this flexible solution enable you to meet new, unforeseen demands, rather than spend time customizing multiple products and introduce integration and data exchange problems.

- **Flexible Deployment model.** EDMT Solution can be deployed on-premise, hosted or in the cloud.

Red Hat Enterprise Linux – helping you do more

A critical component of the EDMT Solution, Red Hat Enterprise Linux is an enterprise platform well-suited for a broad range of applications across the IT infrastructure. The latest release, Red Hat Enterprise Linux 6, represents a new standard for Red Hat by offering greater flexibility, efficiency and control. It works across a broad range of hardware architectures, hypervisors and clouds. Corporations and agencies that standardize on Red Hat Enterprise Linux are free to focus on building their businesses, knowing they have a platform that delivers more of what they need.

- **More reliable.** Worry less when you choose Red Hat Enterprise Linux.
- **More open.** Run the applications your business needs on the platforms you choose.
- **More comprehensive.** Standardize on the platform that covers it all.

Sybase IQ for text analytics and reporting

As a highly optimized text and analytics server, Sybase IQ is designed specifically to deliver superior performance for mission-critical mixed text and analytic applications on HP's industry-standard hardware and operating systems.

The pioneering column-based architecture in Sybase IQ has been proven in the most challenging real-world text searching workloads. Sybase IQ effectively handles

large volumes of ad hoc, mixed BI and text analytic queries and hundreds of concurrent users with ease—making it the ideal engine for the EDMT Solution.

BMMsoft's EDMT Server application and professional services

BMMsoft's EDMT Server is a state-of-the-art application for integrating, accessing and analyzing both structured and unstructured data from within a single SQL datastore.

In addition to software, BMMsoft also provides professional services. Highly trained on HP servers and storage products, as well as Sybase IQ and Red Hat Linux software, BMMsoft professionals can design and deploy a customized EDMT Solution that meets your unique needs.

Bringing it all together – HP Converged Infrastructure

Underlying the EDMT Solution are HP Converged Infrastructure servers and storage. These products, used in conjunction with technologies from our partners, work together seamlessly to deliver the flexibility, scalability and resiliency you need to support your IT environment. The EDMT Solution is optimized to run with:

- **HP ProLiant DL980 servers for Linux:** Featuring the HP PREMA Architecture with Smart CPU Caching, a redundant system fabric and the latest 10-core Intel Xeon® E7 Processors, HP ProLiant DL980 servers are built to handle the largest x86 enterprise environments with confidence. The HP DL980 provides the performance, reliability, ease of management and long-term stability—along with a well-defined roadmap—required for the EDMT Solution. On the high end of the EDMT spectrum, with 4K and 16K systems, the HP DL980 is the best “building block” when 10s and 100s of enterprise-grade servers are needed.

- **HP P2000 Storage Systems:** Providing large, expandable storage for minimal cost, HP P2000 systems include high-performance 8 Gb FC, Combo FC/iSCSI, 6 Gb SAS, 1 Gb or 10 GbE iSCSI connected arrays. High performance, excellent reliability and low maintenance cost combined, with a clear upgrade path, make the HP P2000 an excellent storage platform for the EDMT Solution.

In summary

The EDMT Solution from BMMsoft based on HP, Intel and Sybase is designed to:

- Store, index and search structured and unstructured data equally well; other solutions handle either text or SQL processing, but none do both well except the EDMT Solution.
- Provide a superior solution for Compliance, Data Retention, eDiscovery, Fraud Detection, Audit, CRM, Social Network Analysis, Security Threat Analysis, Money Laundering and other applications that require heavy cross-analysis of structured and unstructured data
- Enhance collaboration; allows cross-access and cross-analysis of data
- Drive ultra-low TCO; very green; requires 91% less storage size and electricity costs; eliminates 5000 tons of CO2 per year
- Provide massive data scalability; 1 PB of data is compressed to 250 TB on a disk.
- Handle up to 10 billion transactions and 500+million files and e-mails per hour
- Provide instant response times for “pin-point” queries against 1 PB of data

Your next steps

Contact your HP representative today and arrange for an assessment of your IT environment. Discover how the EDMT Solution can create a massively scalable platform for handling your “Big Data” problems.

For more information, please visit www.bmmsoft.com, www.hp.com/go/ci and www.intel.com/products/processor/xeon/index.htm.



Get connected

www.hp.com/go/getconnected

Get the insider view on tech trends, alerts, and HP solutions for better business outcomes

Share with colleagues



Become a fan on >>

Follow on >>

© Copyright 2011 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel, Xeon, the Intel Inside logo and the Intel logo are trademarks of Intel Corporation in the U.S. and other countries.

4AA3-7895ENW, Created October 2011

