

DATABridge

Extract and Transform MCP Host Data for Improved Analysis and Decision Support

Leverage ETL technology for improved decision support and data warehousing

In your organization, you require access to business critical information in order to make faster, more informed decisions, while gaining significant insight into the key performance indicators that drive your business. As organizations expose the information located in database systems to better serve their business intelligence (BI) initiatives, security, data integrity, cost, and performance are all top concerns.

Most decision-making tools and BI support relational databases only, creating challenges for organizations with Unisys ClearPath MCP servers and its non-relational DMSII database. Attachmate® DATABridge™ provides businesses with a comprehensive ETL (Extract, Transform, Load) solution for securely integrating Unisys® MCP DMSII and non-DMSII data to a secondary system—making business information easily accessible for the purpose of analyzing and processing, while simultaneously conserving host resources.

With DATABridge, production data can easily be integrated within a relational database such as Oracle,® DB2, or

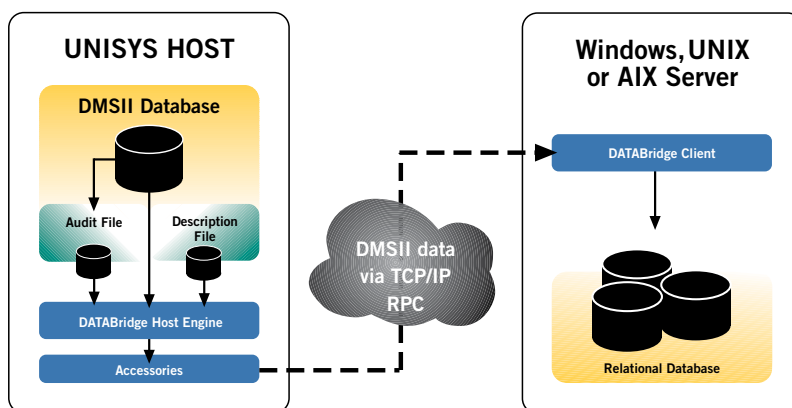
Microsoft® SQL Server—or another DMSII database located on an entirely different Unisys host system. And because DATABridge clients for DB2, SQL Server, and Oracle support a breadth of operating environments including Windows Vista™, Windows XP, Windows 2003, Windows 2000, UNIX, AIX, SUSE Linux, and Red Hat Linux, DATABridge solutions fit seamlessly into your existing infrastructure. Streamlining organizational decision-making has never been easier.

Exercise and maintain complete control while maximizing ETL benefits

Accessing company data in a timely manner provides a competitive edge in today's corporate environment; but access is often difficult. Customized reporting ties up MIS and utilizes mainframe resources that could otherwise handle transaction processing. Using DATABridge to dynamically integrate DMSII data with a SQL Server, DB2, or Oracle database provides organizations with relational data that can be manipulated more easily and completely than customized reporting.

KEY BENEFITS

- NEW** Client side management console
- NEW** Ability to run the client as a service or a Daemon
- NEW** Multi-threaded clients significantly increase processing speed
- NEW** Support for Windows Server 2008
- Securely automate Unisys MCP data replication
- Seamlessly integrate both DMSII and non-DMSII data with Oracle, Microsoft SQL, and other relational databases
- Leverage support for a variety of database client platforms: Windows, AIX, Solaris, HP-UX, SUSE Linux, and Red Hat Linux
- Audit Mirroring for real-time data recovery
- High Speed File Transfer to lower the use of mainframe resources



Here, the non-relational DMSII database is replicated to a target relational database on a Windows, UNIX, or AIX server.

Unlike other solutions that support ETL technology via separate modules, DATABridge delivers an entirely cohesive, all-in-one ETL solution, allowing extraction, transformation, and loading to take place simultaneously without the use of additional utilities. The DATABridge approach to extraction and replication is direct and in real-time, so you aren't creating additional files that would increase backend overhead.

Database administrators have complete control over what gets extracted because DATABridge provides granular filtering, both at the data source and the data target. DATABridge also supports cascade filtering, allowing administrators to filter at multiple levels—ensuring that the data received by each group within an organization is entirely customized for their needs.

DATABridge can clone a DMSII database in its entirety, or can limit replication to selected datasets or further filter down to individual records and items within specific datasets. The cloned database is refreshed at user-defined intervals and only changed records are updated. Since only changed records are transferred from the original to the destination database, updates can be executed more frequently with minimal host system overhead. This information can then be reported on, queried, or analyzed for better informed corporate decision-making.

DATABridge also supports automatic, event-driven updates as well as the capability to read and decipher DMSII audit trails, ensuring that both the source and destination databases can be synchronized at a given point in time. This provides an ideal solution for relational database synchronization with DMSII end-of-day processing or other scheduled events—ensuring the integrity of replicated data.

Securely publish MCP host data for convenient web-based access

When published to an intranet or extranet, MCP host data can be accessed via web browser. Using DATABridge to replicate DMSII data onto a relational database for convenient web-based access enables organizations to front-end that data with any of the web publishing tools available today.

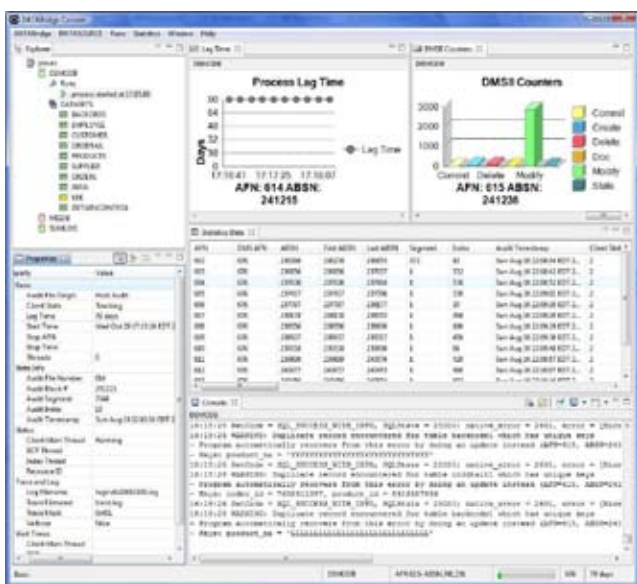
Controlled access of replicated DMSII host data to a web-enabled relational database enables customers, partners, and prospects to gain access to information without compromising the host system. Host security is never breached by unknown users.

Replicate DMSII to a development system

Replicating MCP host data to a development system safeguards the transaction processing of the production system and protects data integrity by enabling developers access to a mirror image of production data. Developers can also protect sensitive data by configuring DATABridge to replicate only selected portions of the database. Separate data filters can be established for each client, assuring that only the appropriate data is distributed.

Improve applications development

Data replication improves the applications development process



The DATABridge client side management console provides a new user interface for ease of use.

SYSTEM REQUIREMENTS

- ETL for Unisys MCP DMSII and flat file data
- Seamless integration of host data within Oracle, Microsoft SQL, and other relational databases
- Full and partial database replication support
- Selective filtering
- Automatic, event-driven update and notification support
- Dynamic configuration allows changes without program restart
- Trace file monitoring for debugging and displaying performance statistics
- Server activity monitoring
- Co-developed with Joe Joseph & Associates, Inc.

Inclusive DATABridge components

- DATABridge Host
- DATABridge Plus
- DATABridge FileXtract

DATABridge client options

- DATABridge Client for Oracle on Windows
- DATABridge Client for SQLServer on Windows
- DATABridge Client for Oracle on HP-UX
- DATABridge Client for Oracle on SunOS
- DATABridge Client for Oracle on Linux
- DATABridge Twin for Unisys MCP Systems
- DATABridge DMSII Client for Unisys MCP Systems
- DATABridge Client for Oracle on IBM® AIX
- DATABridge Client for IBM DB2 on IBM AIX

Add on Components:

- DATABridge Enterprise Server
- DATABridge Audit Mirroring
- DATABridge High Speed File Transfer

DATABridge host requirements

- Any Unisys MCP System supporting MCP v47.1 or later
- DMSII v47.1 or later

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by filtering and formatting DMSII data into a form that is usable by off-the-shelf applications. Since most packaged applications are based on relational database models, replicating data from a DMSII database to a relational database makes that data all the more easy to manipulate.

Automate processes with other DATABridge components:

DATABridge Audit Mirroring for real-time data recovery

The DATABridge Audit Mirroring component can aid in disaster recovery by mirroring audit files in the background to a Windows platform or secondary MCP, and minimize the time it takes for data recovery. You now have the ability to recover your data in near real-time, resulting in a fast response point objective (RPO).

DATABridge High Speed File Transfer to lower the use of mainframe resources

You can lower your costs with the DATABridge High Speed File Transfer component. It can significantly minimize the use of your mainframe resources when transferring files through DATABridge. High speed file transfer helps eliminate most MCP overhead to transfer text, printer, and data files.

DATABridge Plus for near real-time data replication performance

DATABridge Plus is a host component that enables near real-time replication of DMSII databases. With standard DATABridge, DMSII database updates are provided to the target database after the current audit file has been closed. To speed up the process, DATABridge Plus provides continuous database updates between DMSII audit file closures—delivering near real-time data for decision support, web access, and other data access needs.

DATABridge Plus unobtrusively reads the current audit file and delivers updates to the relational database or replicated DMSII database in near real-time. Organizations that keep audit files open for extended periods of time can expect accurate, up-to-the-minute decision support data.

DATABridge Plus eases processing loads and reduces overhead with

smaller, periodic audit file updates. The updating process is smooth, eliminating peaks and valleys in network bandwidth.

DATABridge FileXtract for non-DMSII data replication

Organizations need the capability to replicate non-DMSII information from the Unisys MCP host for processing and analysis. DATABridge FileXtract™ allows businesses to do just that. FileXtract empowers organizations to analyze file data within application files, COMS TTrail (Communications Transaction Trails), system summary log, and other supported files. Sample Reader libraries are provided and configured to replicate data files into Oracle, SQL Server, and DB2.

Like DATABridge, FileXtract replicates data to a secondary system, such as a UNIX or Windows server, so the production data source is never impacted. FileXtract leverages industry standard reporting tools including Microsoft Access, Excel, and Crystal Reports for effortless reporting projects.

DATABridge Enterprise Server for increased efficiency

DATABridge Enterprise Server (DBE) significantly conserves mainframe resources by offloading current host processing to a Windows Server. DBE can be installed on either the Server portion of a Unisys MCP hosted mainframe or on a separate machine altogether that has visibility to the mainframe disk units. The DBE resides between DATABridge Host and your choice of DATABridge clients, performing all host-related processing and I/O operations before sending data onto client systems.

With the implementation of DBE, data cloning and update speeds are significantly faster as a direct result of the reduction in host overhead. DBE processes an audit file only once before parsing data out to subsequent clients. Its ability to create necessary filters ensures that each client receives only the updates that needed. Its intuitive graphical interface makes viewing various sources and database layouts easy.

SYSTEM REQUIREMENTS

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DATABridge Windows client requirements

Hardware

- Pentium® PC (400 MHz or higher with multiple CPU configuration recommended)
- 1 GB of RAM (2 GB Recommended)
- 100 MB of disk space (in addition to disk space needed for the DMSII data)
- OR -

- Unisys ES7000

Operating System

- One of the following:
 - Windows Vista
 - Windows XP pro
 - Windows 2000 Workstation
 - Windows 2008 Server
 - Windows 2003 Server
 - Windows 2000 Servers
- One of the following:
 - Microsoft SQL Server 2008 v10
 - Microsoft SQL Server 2005 v9.0 SP1 or SP2
 - Microsoft SQL Server 2000 v8.0 SP1, SP2, SP3 & SP4
 - Microsoft SQL Server v7.0
 - Oracle v9i, or v10g

DATABridge UNIX and Linux client requirements

- One of the following systems:
 - Sun Microsystems™ SPARCstation™ running SunOS™ v5.8 or newer, and Oracle v9i, v10g or 11g
 - HP® 9000/700 or 800 Series machine running HP-UX v10.x or newer, and Oracle v9i, v10g, or 11g
 - HP Itanium running HP-UX v11.x and Oracle 10g (release2)
 - Red Hat Linux, SUSE Linux, UBUNTU Linux, Intel platforms, v7.1, Linux kernel 2.6 or later, and Oracle v9i, v10g or 11g
 - IBM pSeries® running AIX 5L or newer, and Oracle v9i or 10g OR DB2® v8.x (8.2 recommended)

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DATABridge Twin Client for host-to-host cloning of an entire DMSII database

DATABridge Twin Client performs a logical host-to-host cloning of an entire DMSII database to a secondary DMSII database. It replicates datasets from the primary database and performs continuous updates to the secondary database. Because DATABridge Twin Client makes an identical cloned database of the primary database, host applications written for the primary database can seamlessly be used on the secondary.

Just like the Windows and UNIX clients, DATABridge Twin can be used to alleviate the production host from time-consuming, query-intensive applications or to facilitate application testing.

DATABridge DMSII Client for selective cloning

The DMSII Client also provides a logical cloning of a DMSII database to another DMSII database at any given moment with one significant difference: the DMSII Client performs selective cloning while performing its replications and updates to create a unique secondary database different from the primary. The DMSII Client supports row and column filtering and the ability to re-clone a structure after reorganization on the primary database.

Using this client, you can send customized data from one host to multiple hosts, potentially servicing hundreds or even thousands of end users.

DATABridge improves BI analysis and lowers costs

DATABridge assists an organization's decision-makers by integrating critical information to accomplish BI analysis. By moving selected data from the host down to a relational database or multiple databases, organizations can analyze specific trends, combine data from several external sources, and generate a wide variety of analysis for decision support.

DATABridge also facilitates the ability for decision-makers to store large amounts of historical data on a UNIX or Windows system. Using DATABridge, they can offload storage of historical data to maximize host transaction processing performance. Due to its native architecture, DATABridge is also ideal for high volume environments as it can easily accommodate thousands of transactions and subsequent updates simultaneously unlike so many other ETL products.

DATABridge empowers database administrators and decision makers with the tools and information they require to improve business agility, all while offloading expensive queries and processing from the host.

About Attachmate

Attachmate delivers advanced software for terminal emulation, application integration, and secure communications. Our NetIQ® business provides solutions for management of applications, enterprise systems, security, compliance, and operational VMware. With our technologies, more than 65,000 businesses worldwide are putting their IT assets to work in new and meaningful ways. www.attachmate.com.

SYSTEM REQUIREMENTS

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- 100 MB of disk space (in addition to disk space needed for the DMSII data)
- 1 GB RAM (2GB Recommended)

DATABridge IBM AIX client requirements

- IBM pSeries®
- 512 MB of RAM (1GB recommended)
- 100 MB of free disk space for DATABridge Client
- AIX 5L or newer



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