July 2008

A quarterly newsletter for Unisys ClearPath customers

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SOA Put to the Test

ClearPath Connection recently had the pleasure of speaking with George Gray, Deputy Chief Operations Officer for the Georgia Technology Authority (GTA). Gray's organization provides data center and telecommunications services for many state agencies, including the departments of Corrections, Revenue, and Human Resources, as well as the Georgia Bureau of Investigation (GBI). GTA oversees a complex infrastructure composed of Unisys ClearPath Dorado and IBM mainframes, 200+ UNIX® servers (most of which run Sun Solaris), and more than 400 servers running Microsoft® Windows®, including three Unisys ES7000 enterprise servers.

A Unisys customer for more than 35 years, Gray was only too happy to discuss how his organization is leveraging its legacy applications and data on ClearPath systems to participate in a service-oriented architecture.

ClearPath Connection: What are the most critical IT issues facing the Georgia Technology Authority today?

George Gray: First and foremost is delivery of effective and cost-effective services, and we are in the midst of addressing this via a significant outsourcing initiative, similar to ones recently completed in Texas and Virginia. Second is interoperability. Sharing information across all of our diverse platforms and applications is a challenge.

ClearPath Connection: Tell us how your organization got started with SOA.

George Gray: While the acronym SOA is new, any IT organization with multi-platform applications such as ours has already done "the ancestor of SOA," that is getting diverse software applications on different platforms to talk to each other. When we first implemented our GBI system on the predecessor to a ClearPath server in 1979, we needed to pull license registration data from another application running on an IBM system. So, we developed a service-to-service interface all those years ago.

What makes SOA different are the standards that have been developed over the past 10 to 15 years, which make connecting services far easier. Prior to these standards, the interfaces were proprietary and hand-crafted. And as our environment grows more and more complex, the value of standards is clear. About four years ago, GTA deployed webMethods as our data integration platform. Now any project that needs or provides a data feed uses webMethods as a connector.

ClearPath Connection: How did GTA come up to speed with SOA?

George Gray: We started building our SOA skills in 1995 with Open/OLTP (now called Open Distributed Transaction Processing or Open DTP). We used Open/OLTP to integrate the Offender Tracking Information System (OTIS), which tracks all people in prison or on probation or parole, with a third party document management solution running on a Microsoft Windows NT® platform. The idea was to automatically generate the paperwork needed to admit, transfer, or release prisoners by pre-filling it with data from the OTIS database. Unfortunately, the integration using SOA never deployed for reasons not related to the technology. However, the project was a great learning experience and the Open DTP product worked well. >>

Next we participated in a Beta test for a new Unisys web-enabling solution, Web Transaction Server (Web TS.) Unisys borrowed a number of our screen definitions and used the Web TS Java Client to upgrade the user interface from green screen to a true graphical user interface (GUI). We used Web TS in native mode to do a proof-of-concept showing how OS 2200 transactions could be accessed from a web browser.

This proof-of-concept work proved very valuable for a 2005 project to help police agencies across the state comply with uniform crime reporting mandates. We needed to modernize data input into GBI and entering data through a web browser looked like an easy, low-cost solution. So, we took what we learned from the Beta test with Unisys and used that knowledge to provide web access to a service running on our ClearPath system. Fifteen Web TS programs were developed that use a small DMS database to store crime reporting input data. The solution has been running for two years and we are continuing to enhance it. GTA's experience with Web TS has been very positive. It's a great tool for taking COBOL applications and making them completely browser based.

ClearPath Connection: Do you have any other examples of deploying SOA services using applications and data on your ClearPath system?

George Gray: We're also using Java Virtual Machine (JVM) on the Dorado, with the open source JBoss Application Server as the application execution environment. Our computerized criminal history (CCH) solution was replatformed on UNIX several years ago and its interfaces with the Corrections and OTIS applications on the Dorado had to be maintained. As I mentioned earlier, GTA now mandates that data feeds come through webMethods, so we needed to find a way to make existing OS 2200 transactions available as SOA services that webMethods could understand and talk to. We don't have JVM skills in-house, so we contracted with Unisys to write a Java wrapper around key OS 2200 transactions so that they could be exposed as SOA services. This SOA integration uses the Unisys TIP connector to wrap TIP transactions and expose them as Web Services. The wrappers also convert COBOL data structures to XML. Finally, OS 2200 COBOL programs can also call out to SOA services with this work.

ClearPath Connection: How's the performance of that portion of your SOA?

George Gray: Well, JVM is known for needing a good bit of processing power regardless of the platform it's running on – and that's what we have seen here. However, we recently licensed a ClearPath system with metering, so we put extra power where it's needed and when it's called for.

ClearPath Connection: Did GTA look at SOA from an overall portfolio perspective or as a tactical initiative to address a specific pain point?

George Gray: It started as tactical. However, once we made webMethods our portfolio-wide connector that put us in a position to take a more overarching view.

ClearPath Connection: What percentage of your applications will eventually participate in a SOA?

George Gray: That's tough to answer for certain. We are always going to have the need for applications to talk, so just about everything we do going forward will use some type of SOA approach. >>

ClearPath Connection: How are SOA services governed from a budgeting perspective? Who owns the lifecycle creation and management of a SOA service?

George Gray: The cost is shared. Our webMethods team develops the connection routines and the various agencies write and maintain the connectors on their ends to talk to the integration platform.

ClearPath Connection: What kind of technical hurdles have you faced with your SOA efforts?

George Gray: We were an early adopter of Open DTP and I had a lot of support from the Unisys engineering team in Roseville for that project. As for Web TS, we only had minor issues that were resolved very quickly. We love Web TS – it's a lean, mean solution that works.

ClearPath Connection: How did you educate yourself and the GTA team about SOA?

George Gray: We are dyed-in-the-wool members of UNITE and more than 90 percent of our education comes from faithfully attending the annual conference. For example, we first learned about Open DTP in 1994 at the UNITE conference.

ClearPath Connection: What are the greatest benefits SOA has offered to the State of Georgia?

George Gray: SOA helps us to make diverse applications work together and interoperate without having to totally rewrite those solutions.

ClearPath Connection: What advice would you give to other organizations that are looking to leverage their ClearPath applications in a SOA?

George Gray: Don't rewrite if you can wrap!

Thanks so much to George Gray for sharing his experiences with SOA in a ClearPath environment. To learn more about the "many ways to SOA" using ClearPath, check the eCommunity website: ecommunity.unisys.com

ClearPath MCP Release 12.0 – Much More Than a Tech Refresh

ClearPath Connection readers know better than anyone that mainframe applications are here to stay. The pursuit of business agility to meet the ever-changing demands of your market means your current systems and applications are more valuable than ever. In fact, according to a recent Gartner survey of 1,500 CIO's, "legacy modernization, upgrade, or enhancement" was identified as the fourth highest IT priority for 2008.[1]

The path to agility starts with examining the state of your infrastructure today and identifying ways to leverage existing technology investments as the basis for creating an open, secure, SOA-enabled IT environment. Incremental development and delivery strategies are essential capabilities as you plan migration to a flexible architecture where critical applications are accessible across all core business processes throughout the enterprise.

ClearPath MCP Release 12.0 gets you there faster. More than a technology refresh, MCP 12.0 delivers a comprehensive solution for managing a SOA built on mainframe assets. It fully integrates 125+ products, includes many updates and added features, and offers **new products** that deliver benefits in the areas of **SOA, RTI, and security** – all built to enable competitive advantage in today's global market.

MCP 12.0 also offers significant enhancements to existing technology – resulting in the ability to address the wider array of challenges you face while building a SOA-enabled environment. In addition to the ClearPath MCP operating system, the release includes a Transaction Server and an Enterprise Database Server, as well as a complete portfolio of middleware, application development tools, and system management utilities.

Realize the Benefits of RTI and SOA with Your Existing Mainframe Applications – and Do It Securely

RTI and SOA share similar objectives – both seek to maximize ROI. RTI seeks ROI opportunities at the infrastructure (hardware and system software) level and SOA at the business application level. These complementary initiatives present new opportunities to connect businesses with their customers, partners, and suppliers, while achieving greater flexibility and cutting costs. And, it's all in the name of improved business agility.

Achieving agility doesn't come without challenges – particularly in the area of security. Unlike other server operating environments, ClearPath MCP Release 12 includes a fully integrated set of software to SOA-enable applications and *securely deploy them in an RTI*.

There's not enough space in this newsletter to tell you *everything* about MCP 12.0. Read on to learn more about some of the great new capabilities you'll find in the key areas of SOA, RTI, and security. >>

[1] *Gartner, Inc. Press Release. "Gartner EXP Worldwide Survey of 1,500 CIOs Shows 85 Percent of CIOs Expect 'Significant Change' Over Next Three Years." January 23, 2008.*

SOA Highlights in MCP 12.0

***NEW* ClearPath ePortal Business**

ClearPath ePortal Business enables secure, automated deployment of applications in web, mobile, and Web Service environments with point-and-click SOA-enablement for entry-to-mid-range MCPvm servers. The product includes a 1U 19" rack mount appliance and one dual-core Intel® Xeon® (codename Woodcrest) 2.66 MHz processor. ClearPath ePortal Business has a capacity of ~1,000 users and ~2,000 transactions/minute overall and can be configured with up to four virtualized web personality modules.

ClearPath ePortal Business is available on the following servers:

- Libra 300, 400, 520
- CS7201, LX7100

JBoss Application Server 4.2.0

Develop and deploy rich, high performance Java applications in a secure RTI environment with the new release of this leading open source enterprise Java platform.

Database Operations Center

Reduce dependencies on DMSII design skills with the integration of Embarcadero ER/Studio, which provides the ability to modify DMSII database schemas without having to learn proprietary DASDL language constructs.

RTI Highlights in MCP 12.0

***NEW* Business Continuity Accelerator**

Business Continuity Accelerator helps ensure continuous availability of applications and data. It provides the automation that dramatically reduces the time, required skill level, and risk of human error associated with redeploying a workload. Just as importantly, it makes the process repeatable and predictable.

Business Continuity Accelerator works with a data replication product, such as EMC® Symmetrix® Remote Data Facility (SRDF®), EMC MirrorView®, Unisys SafeGuard Duplex, or host-based mirrored disk (an MCP O/S feature), to accelerate and automate the process of relocating an application workload and its associated data from a primary server to an alternate. Once the relocation is complete, it restarts the applications on the alternate server. The product has no distance limitations.

Relocate a workload and get it running on an alternate server in as few as 15 minutes – with Unisys Business Continuity Accelerator.

The actual time for your workload will be different – factors affecting recovery time include:

- Server capacity and configuration
- Number, capacity, and type of storage devices
- Number and size of databases
- Application characteristics
- Network characteristics

Unisys Business Continuity Accelerator can also help decrease the number of servers dedicated to business continuity by repurposing a server as necessary, such as from test and development. By scaling back the number of idle servers, the solution reduces costs, optimizes resources, and ensures greater risk protection. >>

Workload Management
Improve your ability to meet service level agreements (SLAs) and make it easier for people without ClearPath technical skills to manage MCP workloads with such enhancements as:
- Runaway program detection
- Batch job elapsed time completion goals
- I/O, COMS, and DMSII usage throttles
- A new conflicts and bottleneck report

TCP/IP Support for IPv6
Increase network scalability through the availability of additional network addresses.

TCP/IP High Performance Data Transfer
Improve throughput on reliable networks that have high latency.

Software License Management
Reduce the amount of time spent managing software license keys using improved reporting capabilities.

Security Highlights in MCP 12.0

***NEW* Locum SecureAudit**
Locum SecureAudit is an enterprise-class security reporting solution. It analyzes the SUMLOG file, which is used by the MCP to log system activity, and produces a comprehensive set of security reports that are
- **Relevant:** each report targets a specific security issue
- **Non-technical:** jargon is avoided
- **Readable:** layouts are clear and easy to follow
- **Concise:** extraneous information is omitted
- **Fast-executing:** information is quickly and efficiently processed

Each report can include one or more log files and cover a specific time interval. Locum SecureAudit can produce standard reports on the following activities, events, and conditions:
- Security Violations
- Logon Violations
- MCS Initializations
- Disk File Accesses
- Program Executions
- System Commands
- Password Changes
- Rejected Passwords
- Window Accesses
- COMS CFILE Changes
- File Status Changes
- Run-time Usercode Changes
- Installation Records
- Userdatafile Changes
- Security Policy Changes
- Privileged Actions
- Miscellaneous Security Actions
- Session Information

Locum SecureAudit is an ideal solution for security administrators, auditors, and regulators who are responsible for tracking and reporting on security events and violations. >>

NEW Ways to Protect Sensitive Data

As data security breaches become more frequent and more sophisticated, public concern for data protection is on the rise. MCP 12.0 includes three important new features to help you protect sensitive data:

- **Tape encryption enhancements** protect sensitive data from databases being backed up to tape with DMSII dump to disk, and incremental, accumulated dumps.
- **TCP/IP support for IPsec** protects data-in-motion between computers through encryption and/or authentication of data at the packet level using IPv6.
- **FTP support for explicit TLS/SSL** protects files being transferred between computers using the File Transfer Protocol and explicit, dynamic negotiation of the Secure Sockets Layer (SSL) or Transport Layer Security (TLS) protocols.

Permanent Directory Databases

Improve security on development systems through the enablement of common database access without having to use common usercodes or chargecodes.

Case-Sensitive Passwords

Provide stronger, more flexible user identification and access control by increasing the number of possible passwords.

Get Started with MCP 12.0 Today

Driving your business to the next level means being flexible enough to respond to the dynamics of change quickly and efficiently – while keeping costs aligned with business requirements. However, facing such change can seem overwhelming without a clear vision. A phased approach helps you define how to build solutions that yield great benefits while minimizing business disruption and risk along the way.

Transforming your mainframe applications of today to a SOA-based foundation of tomorrow is more than a good technical solution – it's a smart business decision that preserves your existing investments and frees up resources for other projects.

To learn more about what MCP 12.0 has to offer, visit the eCommunity.

Looking for more about development tools from Unisys? Sign up for Developing *Agility*, a quarterly newsletter dedicated to helping organizations obtain maximum value from Agile Business Suite (AB Suite) and Enterprise Application Environment (EAE).

SOA and ClearPath: Extending the Value for Increased Business Agility

In a new series of technical white papers, you will:

- Learn of the basics of SOA
- Get a deeper understanding of how to leverage SOA with your ClearPath Dorado or Libra environments
- Find out how to minimize risk, complexity, and cost by using a building block approach that incorporates industry standards to extract the inherent business value of legacy technology

DOWNLOAD

Service-Oriented Architecture: Delivering for Business

SOA provides the flexibility required to support the dynamic nature of today's business and IT environments. In this white paper, which provides a great introduction to SOA, you'll discover how SOA can enhance the development of IT initiatives for more efficient delivery of services-based, enterprise-class business solutions – supporting goals that include enhanced productivity, re-use of existing systems for increased agility, and improved risk mitigation.

DOWNLOAD

Service-Oriented Architecture: ClearPath Systems in SOA

Building a SOA doesn't mean moving away from your mainframe technology. Learn more about the characteristics and requirements of a SOA – and the Unisys approach of integrating existing investments, such as Unisys ClearPath and other applications and databases, into your overall SOA strategy. Case studies offer examples of how well-designed architectural frameworks leveraging mainframe assets provide a solid foundation for building distributed applications – resulting in improved collaboration among systems, as well as increased adaptability, security, and flexibility.

DOWNLOAD

DOWNLOAD

Middleware Strategy and Products for ClearPath OS 2200 and ClearPath MCP Systems

For organizations trying to extract maximum business value out of existing applications and infrastructure investments – SOA middleware offers a fast path. Each white paper is written for a particular ClearPath operating environment and provides a better understanding of the architectural concepts that support SOA and the role of middleware as the enabling technology. These in-depth technical briefs feature products currently available for integration with ClearPath OS 2200 and ClearPath MCP systems and offer insights into future ClearPath developments.

Business Information Server Marks 40 Years of Solutions

This year Unisys Business Information Server (BIS) (a.k.a. The MAPPER System) celebrates 40 years of providing solutions to enterprises all over the world. BIS is known for pushing the limits of IT, so who can blame us for taking a short trip down memory lane?

Like so many successful products, BIS started as a solution to a problem – not a solution looking for a problem. In today's world of desktop PCs, it's hard to imagine a time when business users didn't have the ability to search, sort, total, and list data at will. But in 1968 that was the situation. Only programmers could provide that capability – and they were in as short a supply then as they are today. Enter BIS – which put the power of basic data reporting into the hands of non-technical business people. With a few simple BIS commands, corporate data could be easily manipulated into actionable information.

> *"BIS has just been a wonderful tool for us and we don't foresee it going away ever. It's something that's going to be there for us for a long time into the future."*
>
> Verlin Scheer
> Vice President of Information Technologies
> North Star Mutual

Forty years is a true test for any software product – and BIS has evolved to meet the demands of a changing marketplace time and again. Over the years, BIS has morphed from a simple, manual (and somewhat cryptic) tool for viewing and manipulating data to a powerful scripting language that automates many processes. Its simple ad-hoc reporting capabilities have transformed into a powerful graphical point-and-click environment. BIS immediately leveraged the Internet and wireless technologies when they emerged. Today BIS embraces SOA – continuing a long tradition of leveraging industry innovations. And those who know BIS well, know that it can process millions of transactions per day – and many enterprises continue to run all of their operations with it.

In 1968, few would have envisioned using BIS to check an account balance or inventory location through a mobile phone or the Internet. But that's the power of BIS and Unisys commitment to keeping it strong. Congrats BIS on a long track record of great achievement! Keep on evolving and pushing the limits of IT.

Tell us about your BIS memories. Drop us a note: BISMarketingTeam@unisys.com. We'll bring them with us to UNITE 2008 and share them with other members of the BIS family as we mark the 40th.

Product News

ClearPath Servers Win the Gold

Every year the staff at SearchDataCenter.com seeks out the "best of the best" when it comes to technology products for mission-critical environments. And we're very proud to announce that they named Unisys ClearPath Dorado Model 400 and ClearPath Libra Model 400 servers as the 2007 Gold Award winner in "Large servers (multi-processor systems)" category.

Here's what they had to say: "The Unisys ClearPath Dorado Model 400 and ClearPath Libra Model 400 lead our best multi-processor server systems category. The Dorado and Libra run their own O/S in addition to Microsoft Windows 2003 and two Linux distributions. Tack that onto a capacity-on-demand feature for the boxes, and **it's just the right combination of old and new technology** going into this multiprocessor box."[2]

To learn more about the award, visit www.SearchDataCenter.techtarget.com.

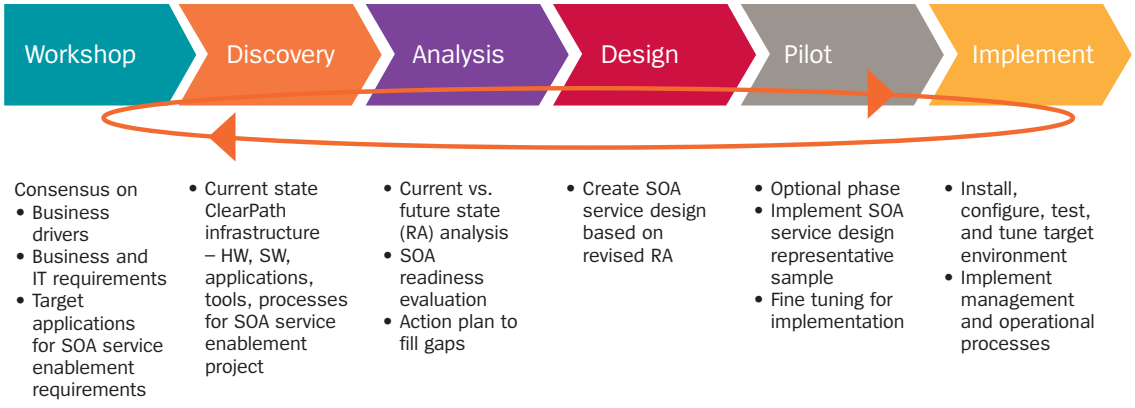
SOA for ClearPath Consulting Services

The SOA for ClearPath program includes **enabling technologies, reference architectures (RAs), and consulting services** that help you achieve better business agility for your ClearPath applications.

"Doing SOA right" takes more than a trial-and-error approach. That's why Unisys offers a range of services to help you take advantage of the many technology options – and in ways that make the most business and technical sense for your organization. No matter where you are in your SOA transformation phase, Unisys has the consulting services and expertise to guide you.

SOA for ClearPath consulting services portfolio help you take a structured approach to evolving applications from the current "as is" state to a future "to be" state by following a four-phase approach:

SOA for ClearPath Service Process



To learn more about SOA for ClearPath services and delivery methodology, please view our presentation on the eCommunity. >>

[2] *SearchDataCenter.com. http://searchdatacenter.techtarget.com/productsOfTheYearCategory/0,294802,sid80_tax309517_ayr2007,00.html . June 9, 2008.*

Relativity Modernization Workbench – Enterprise Edition Now Available

To reduce the complexity of your applications and increase the reuse of valuable IT assets, Unisys has partnered with Relativity Technologies to bring its Modernization Workbench to our ClearPath MCP and OS 2200 customers. The tool enables renovation of your complex ClearPath-based systems by helping to re-architect existing COBOL code.

The Enterprise Edition release of the Modernization Workbench offers support for a multi-user client/server model, which facilitates easier modernization information sharing across multiple projects. Key benefits include:

- Global access to best-of-breed technology for modernization and maintenance
  - Shared insights limit miscommunications
  - Source code remains protected behind firewalls
- A powerful, scalable platform so that even the largest ClearPath applications can be included in the Modernization Workbench repository
- Improved governance
  - Management can monitor and enforce corporate standards with remote teams to ensure software quality
  - Business users can efficiently translate requirements into development action

The workbench helps document and inventory your COBOL application assets. Doing so enables you to streamline applications by removing unused code and transform them into services for use in a SOA. The workbench is integrated with the SURE software configuration management solution to help you control and manage the modernization process.

For more information, please visit the eCommunity.

OS 2200 PRODUCT NEWS

ClearPath OS 2200 Cipher API Card Now Available for ClearPath Dorado 100 and 200 Systems

Encrypting your sensitive data ensures that even if it falls into the wrong hands, it won't be usable without your encryption key. ClearPath OS 2200 Cipher API is a program-callable subsystem that lets you encrypt your sensitive data using your choice of several industry-standard cryptography algorithms, specifically:

- Advanced Encryption Standard (AES)
- Triple DES (3DES)
- Data Encryption Standard (DES) (no longer recommended except for compatibility with previously encrypted data)

Encryption using Cipher API offers data confidentiality at a data element, record, or file level. Calls to the Cipher API originate from your OS 2200-based program according to the needs of the particular application. Originally released in 2005 as a software implementation, the API added support for an optional hardware accelerator, the Cipher API Card, for ClearPath Dorado 300 and 400 servers in October 2007. The Cipher API Card was recently qualified for Dorado Model 100 and 200 systems. The Cipher API Card is a U.S. government certified encryption PCI card that plugs directly into the ClearPath Dorado server and provides increased performance when large blocks of data must be encrypted.

For a high-level overview of the Cipher API, see page 24 in *ClearPath OS 2200: Unsurpassed Security,* which can be downloaded from the eCommunity. For full programming details, check out *ClearPath OS 2200 Cipher Application Programming Interface (API) Programming Reference Manual* (3826 6110), which is available for download from the Public Information section of the Unisys Product Support website. >>

New OS 2200 Java Downloads Available

All Java aficionados – and anyone who is considering working with Java in the OS 2200 environment – should download the following from the Unisys Support website:

- **Java J2SE 5.0 is now available.** JVM 4R1, the Virtual Machine for Java on ClearPath OS 2200, provides an environment for server-based Java applications on the OS 2200 node of ClearPath servers. It is based on the Java 2 Platform, Standard Edition (J2SE) 5.0 specification, licensed from Sun Microsystems, Inc. JVM 4R1 was released in October 2007 and is based on Sun JRE 1.5.0_13-b05. CIFS 6R3 is required.
- **DMS Resource Adapter is now available.** DMS-RA 1.0, Network Database Server Resource Adapter for the Java Platform, enables Java applications running outside or inside a ClearPath server to access DMS data. The download provides the Java classes needed to access DMS data from a Java program. It also includes a custom class builder and the Java Data Access Server for DMS (JDMS), which provides a gateway between the DMS Resource Adapter and the DMS database.

Exciting New Java Products Now in Field Test

Please contact Melanie.Wolbeck@UNISYS.com if you'd like to participate in field test for the following products:

- **ClearPath OS 2200 IDE for Eclipse 3.3** contains many new features, including: BIS RA and DMS RA wizards; Data Tools Project; ACOB error handling; support for compilation into breakpoint files; code set translation in Telnet; and project creation from CMplus.
- **JVM 4R2** is based on JRE JVM 1.5.0_15-b02 and has additional performance improvements over the 4R1 version (CIFS 6R3 required).
- **CIFS 6R3** contains new features, such as: automatic packing of underlying program files; automatic creation of Large Element Program Files; new CIFSUT “mkfifo” command; enhanced CIFSUT “ls” command; configurable wait times for rolled out and exclusively assigned files; and configurable file cache size limit and more efficient memory usage. Some CIFS 6R3 features are not yet enabled in the current download, but we're getting there!
- **DMS-RA 2.0** release includes XA compliance, which now allows the DMS-RA to participate in a global transaction with one or more other database resource managers.
- **RDMS-JDBC 2.4** contains many new features, including: multiple Result Sets; support for the creation, insertion, and update of the SQL BLOB data type; Hibernate Dialect for RDMS Update; JDBC 2.0 get/set methods that use the Calendar object; secure communications using SSL ports; and performance, installation, maintenance, and product diagnostics improvements.
- **TIP RA (J2EE-CON-OS2200)** new features including implementation of the JCA (Java Connector Architecture) 1.5 specification life-cycle management contract (enables an application server to control startup and shutdown of the connector) and work-management contract (enables an application server to manage pools of worker threads for the connector). The connector also provides for two-way interaction with EJBs. With this feature, OS 2200 applications can initiate an "inbound" interaction. OS 2200 TIP or HVTIP transactions written in C, COBOL, or Java can initiate a request/response interaction with an EJB deployed on a Java EE application server, such as BEA WebLogic, JBoss Application Server, or IBM WebSphere Application Server.

For more information about OS 2200 Java, please visit the Secure Java for ClearPath OS 2200 section of the eCommunity. >>

MCP PRODUCT NEWS

ClearPath MCP 12.0

More than 125 products are contained in MCP 12.0. Read our feature article in this issue of ClearPath Connection to learn more about this impressive release, which includes the following **THREE NEW** products:

- **ClearPath ePortal Business** provides a point-and-click SOA enablement solution with deployment automation for entry and midrange MCPvm servers.
- **Business Continuity Accelerator** automates the process of moving an application workload to an alternate server and getting it running, providing an enriched RTI environment.
- **Locum SecureAudit** provides a security reporting solution for security administrators, auditors, and regulators.

New ClearPath MCP Java Runtime Environments

If you have Java applications that require a high level of security and reliability, you'll be interested in these new ClearPath MCP Java offerings:

- **ClearPath MCP JProcessors, for ClearPath Libra Models 580, 585, 590, 595, 680, and 690 were released in October 2007**. These Intel® technology-based processors provide a dedicated and standard Java runtime environment as part of the MCP operating environment.
- **Java runtime environment for the ClearPath Libra 400 became available in November 2007**. This is the first time that we're offering the Java runtime environment optimized for Intel® processor-based entry to mid-range ClearPath MCP servers.
- **Java Platform Standard Edition (Java J2SE) development platform, Release 5 is now available for all ClearPath Libra 400, 500, and 600 servers** and can be downloaded from the Unisys Support website.
- **JBoss Application Server, Release 4.2 is now available for ClearPath MCP environments**. The JBoss Java Application server is an open source product and the industry-leading platform for J2EE applications.
- **The ClearPath MCP IDE for Eclipse, version 3.3.1, is now available for field test**. The primary new features in this version are support for a COBOL74 and ALGOL editor and WFL editor. Please contact Pamela.Becker@unisys.com for information regarding the field test program.

For more information about MCP Java, please visit the Secure Java for ClearPath MCP section of the eCommunity.

New Releases of dbaTOOLS and TeamQuest Products

Aligned with the MCP 12.0 release – but separately orderable – these tools help organizations fine tune their MCP operating environments.

- dbaTOOLS Release 12.0, including Analyzer and Monitor, helps you monitor, control, and tune Enterprise Database Server (DMSII) databases.
- TeamQuest Release 53.013 offers a wide range of performance monitoring software products for ClearPath MCP servers.

ClearPath LX160 and LX170 Laptops Qualified with MCP 12.0

The ClearPath LX Laptops – Software Developer's Kits – are now qualified with MCP 12.0:

- The LX170 Laptop is qualified with the Microsoft Windows Vista® operating system (based on the Dell Latitude D830). (Note: The LX170 Laptop was not qualified with the Microsoft Windows XP Operating System.)
- The LX160 Laptop is qualified with the Windows XP operating system (based on the Dell Latitude D820).

These flexible platforms are ideally suited for development, qualification, and demonstration purposes. See the LX Laptop section of the eCommunity for more information. >>

SURE 7.0

The SURE change management system integrates source control and application deployment to support the complete development lifecycle, including:

- **Task tracking** documents and controls the lifecycle of a task or change request from initial creation through eventual completion.
- **Source management** oversees changes to source code and offers such common capabilities as “check in/out,” rebuilds, history retention, and compare functions.
- **Application deployment** oversees the build/compilation of executables from the modified sources; the build/compile process is defined and stored in the SURE repository. It also provides an integrity mechanism to ensure deployment of a complete, correlated group of changes into production, including changes to environments other than MCP, such as Microsoft Windows.

SURE is ideal for composite applications and has the capability to interface to a wide variety of development tools, including Microsoft Visual Studio® .NET, Unisys Programmer's Workbench, Eclipse (SURE Release 6.0), and various others.

SURE Release 7.0 adds a number of high-value capabilities, including:

- Support for Eclipse 3.x
- Integration with Microsoft SharePoint and Microsoft Project
- Support for project branching

For more information about SURE, please visit the eCommunity.

Calendar

There are many learning opportunities available to you. Please be sure to check the eCommunity for the latest information.

What	Where	When
Unisys Webcasts	Online via the eCommunity	June 2008 and beyond
Agile Business Suite and Enterprise Application Environment (EAE) User Meetings (Choice of two dates)	St. Paul de Vence, France	September 22-24, 2008 September 24-26, 2008
Future Matters 2008	Stockholm, Sweden	October 1-2, 2008
UNITE Annual Technology Conference	Caribe Royale Orlando, Orlando, FL	October 19-23, 2008