

# ClearPath Connection

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April 2010

*A quarterly newsletter for Unisys ClearPath customers*

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## 2010: The Year of the Application

By Bill Maclean, Vice President, ClearPath Programs, Unisys TCIS

2010 is a year for turning the corner – whether it's growing your current business, expanding customer services, moving into new markets, or whatever “forward motion” means to your particular organization.

Unisys has turned a corner – and we in the ClearPath business unit see great opportunities for growth. We won't be satisfied with maintaining the status quo. We want to **grow** our market share and bring **new** ClearPath customers on board to join our loyal customer base. I believe we are well positioned to achieve this goal because of investments we've made over the last 18-24 months. And, these same investments are available to help you take your organization – and ClearPath applications – in new directions.

In today's hyper-competitive world, it's really all about applications. Applications that leverage contemporary technology; that are accessible via the Web and from mobile devices; that can be easily changed to fit business requirements; that can be reused as services; and that still retain all the mission-critical attributes that never go out of style – security, scalability, stability, recoverability, and more.

The ClearPath software environment has never been more robust – or offered so many immediately usable technologies that are designed to help your organization get new and enhanced applications up and running quickly.

Consider:

- Smartphones are beginning to replace laptops as **the** way to work while people are on the go – and ClearPath is ready with:
  - The [ClearPath ePortal Specialty Engine](#), which now offers an easy way to enable access to ClearPath applications from an Apple® iPhone® or Apple® iPod Touch®, with more mobile device support to come
  - Updates to environmental software to support the unique characteristics of mobile users, such as frequent sign-ons and sign-offs
  - New security facilities that support mobile users while protecting your mainframe environment and data
- Time to market is everything, and more applications are assembled, rather than built from scratch – and ClearPath is ready with:
  - Application Advisory Services to help you assess your enterprise portfolio and determine suitable modernization and outsourcing strategies, priorities, roadmaps, and implementation plans
  - ClearPath [OS 2200 JProcessor](#) and ClearPath [MCP JProcessor](#) Specialty Engines that provide a secure environment for Java applications running under the control of the OS 2200 or MCP operating system
  - ClearPath Database Extensions for PHP, a popular Open Source web-scripting language, which allow web applications to interact with DMSII databases
  - ClearPath [OS 2200](#) and ClearPath [MCP IDE for Eclipse™](#) tools, which boost programmer productivity and make it easier for any developer to work on ClearPath applications >>



- The ability to use Open Source applications in the ClearPath environment, such as the [Drupal Open Source content management system](#), to help you manage information using native ClearPath databases
- [Agile Business Suite](#), which offers an industry-leading Model-Driven Development capability designed to support mission-critical applications
- [Business Information Server \(BIS\)](#) that enables rapid application development for major business applications

Unisys is taking advantage of these advances, as well. For example, some of the largest Telcos in the world run Unisys voice messaging solutions on ClearPath servers – and the flexibility and rich features of these applications are winning new customers for Unisys. And by the way, this application has been migrated to Agile Business Suite, our contemporary Microsoft® Visual Studio® based development platform, to support its long-term growth.

We expect that our investments in opening up the ClearPath environment and making mobile device integration easy will continue to fuel further growth.

Finally, our focus on supporting enterprise-class open technology creates significant opportunities for growth. It enables development using Open Source tools and provides the foundation for support of Open Source applications. ClearPath customers who require a secure, reliable, scalable environment for their Open Source applications may well elect to leverage ClearPath Servers to get them there.

Today, ClearPath is providing support for where the world is going, not just where it is today. The “Year of the Application” is off to a great start, and I hope that your organization will seize this opportunity to make ClearPath applications even more valuable to your business.

## Orchestrate a Perfect SOA Symphony with ClearPath Solutions

Conduct beautiful music – with all your businesses, processes, applications, and platforms playing together in perfect harmony. Include ClearPath applications as full members in your service-oriented architecture (SOA) orchestra. SOA is an easy way to enhance your investment because you don't need to start from scratch to add value as you improve business agility. And you'll save money too.

To learn how, view the [ClearPath SOA eBook](#) today.

## New MCP Release: Announcing MCP 13.0

MCP

MCP 13.0 is coming at the end of April, and we've packed an amazing amount of business and technical value into this release. It introduces important **NEW** capabilities in five key areas:

- Enabling people on the go to securely access ClearPath applications
- Protecting sensitive data in motion from unauthorized access
- Expanding security administration tools
- Providing data center infrastructure enhancements
- Extending the portfolio of application development and modernization tools

This integrated release of more than 125 products includes many major enhancements to existing capabilities – plus it ushers in the availability of three **NEW** products:

- **Locum Real-Time Monitor** – providing real-time monitoring of security and system events
- **ClearPath Database Extensions for PHP** – enabling web applications written in the popular PHP scripting language to access DMSII databases
- **HTTP Client for ClearPath MCP** – making it possible for MCP-based applications to send requests to web servers

Following are just some of the highlights of MCP Release 13.0. To get all the details, visit the MCP 13.x page in the [eCommunity](#).

### Enabling People on the Go to Securely Access ClearPath Applications

The smartphone is quickly overtaking the laptop as **the** way to work away from (and even in) the office. Weighing just ounces, these mobile devices are far more convenient and functionally equivalent to PCs in many regards. If you haven't been asked about support for these small wonders, you will be very soon.

Opening up your applications to mobile users has certain implications, including:

- New security challenges related to information stored on the smartphone and for applications and databases they access
- Changing usage habits in terms of many more connects/disconnects per user, per day
- Higher expectations regarding service levels and availability

MCP 13.0 introduces powerful **NEW** capabilities that address these concerns, including:

- [ClearPath ePortal](#), which can be used to provide Apple iPhone or iPod Touch users with access to MCP-based applications and data.
- Locum RealTime Monitor is a **NEW** product that complements the Locum SafeSurvey and SecureAudit products by providing real-time monitoring of security and system events. Contact your Unisys representative to order this **NEW**, separately priced product.
- The ability to configure Transaction Server (COMS) to automatically delete unused stations, which effectively increases connectivity to support the "multiple on/off" usage patterns of mobile end users. >>



- Workload Management for ClearPath MCP has many **NEW** features that make it even easier to use, giving you more ways to ensure SLAs are met in an environment where Internet-facing applications are subject to dramatic fluctuations in demand. One of the most significant enhancements is a **NEW** Assisted Workload Discovery tool that simplifies the task of deploying Workload Management on an existing system.
- Important enhancements to Unisys Business Continuity Accelerator that improve ease of use and increase configuration flexibility, such as the ability to recover to a local server and support for a three-server recovery configuration.
- Numerous updates to DMSII to increase database availability, including the ability to process update transactions while a quiesce database copy is being made.

## Protecting Sensitive Data in Motion from Unauthorized Access

Security of sensitive data is a concern for many IT departments, especially as it is sent across the Internet and private networks, stored offsite, or used at your disaster recovery facility. MCP 13.0 introduces several product enhancements to help you protect sensitive data in motion, including the following:

Enhanced Product	What is Protected
Telnet	Terminal emulator sessions via TCP/IP
Web Enabler	Web Enabler-based terminal sessions via TCP/IP
Enterprise Output Manager secure e-mail option	E-mailed documents sent/received by Enterprise Output Manager (in Release 8.1)
SAN DataMover	Files transferred via transfer volumes and TCP/IP
TCP/IP Port files	Messages sent via the Port file API and TCP/IP
ClearPath MCP IDE <i>for Eclipse</i>	Log-in credentials

## Expanding Security Administration Tools

Several changes in MCP 13.0 improve security management capabilities:

- Role-based access control for applications enables them to apply more granular security controls on application functionality and data based on a person's job role and responsibilities
- Security Center can manage security certificates for Java applications, import and export IPsec policies, and test IPsec policies before they are put into use

## Providing Data Center Infrastructure Enhancements

As always, this new release of the MCP has features that expand compatibility and interoperability, including:

- Qualification of the release with Microsoft Windows® 7 and Microsoft Windows Server® 2008 R2 (visit the [Unisys Product Support web site](#) for compatibility matrices with product-specific details)
- Enterprise Database OLE DB Data Provider for ClearPath MCP can run on x64 versions of Windows and be used with x64 versions of Microsoft SQL Server®
- The **NEW** HTTP Client for ClearPath MCP product enables MCP-based applications to send requests to web servers (this product is included in the MCP operating environment)
- FTP enhancements make it easier to copy all files in a disk directory to another system >>

## Extending the Portfolio of Application Development and Modernization Tools

Last, but certainly not least, MCP 13.0 provides important **NEW** capabilities for developers – ones that help organizations continue to extend their existing ClearPath applications and build new ones, such as:

- ClearPath MCP IDE *for Eclipse* includes **NEW** editors for NEWP and Pascal and **NEW** integration with the Relational and Query Design Centers and many other enhancements.
- The **NEW** ClearPath Database Extensions for PHP product enables web applications written in the popular PHP scripting language to access DMSII databases (this is an Open Source product, which is available for download from the eCommunity).
- Database Operations Center's database design capabilities (that work in conjunction with Embarcadero ER/Studio) can now be used with databases that include:
  - Logical databases
  - Remaps
  - Embedded datasets
- Unisys XML Parser for ClearPath MCP enhancements provide a facility to transform XML documents and improve scaling, redundancy, and performance.

## More About this Major MCP Release

There's much to master in MCP 13.0, so we recommend that you take some time to view the recording of the MCP 13.0 Launch Event Webcast, which is posted in the [eCommunity](#). For additional information, please visit the [ClearPath MCP Release 13.x Information Library](#) on the eCommunity.

## Take a Look at Other Unisys Newsletters

Issues of *Fast Forward*, a quarterly newsletter for logistics service providers, and *Developing Agility*, a quarterly newsletter for Unisys Agile Business Suite and Enterprise Application Environment customers, are available for download in the [Publishing](#) section of the Unisys web site.



## ClearPath OS 2200 Software Release 12.1 is Coming!

OS  
2200

A release that will be available on all currently supported ClearPath Dorado server models, and includes more than 50 software enhancements, ClearPath OS 2200 Release 12.1 provides **NEW** functionality in the key areas of advanced application development, service-oriented architecture (SOA), security, and mission-critical attributes.

ClearPath OS 2200 Release 12.1 is an integrated package of 115-plus software products – all of which are developed and tested together and delivered as a single system that helps you save time, cut costs, and reduce risk.

### Advanced Application Development

- **ClearPath OS 2200 IDE for Eclipse:** ClearPath OS 2200 Release 12.1 enables you to upgrade to Eclipse release 3.5 (Galileo) and leverage standard features from the Eclipse Foundation, including provisioning, security, modeling tools, and additional support for SOA. The COBOL plug-in for Eclipse now provides an auto-completion feature for variable names and improved interactive debugging of multi-task programs. ClearPath OS 2200 IDE for Eclipse enables you to use industry-standard development technology, expanding the resource pool of available, knowledgeable developers while minimizing investments.
- **RDMS Enhancements:** RDMS contains a number of updates, including five new SQL features, two administrative improvements, and one performance enhancement.



### SOA

- **DMS Resource Adapter:** The DMS Resource Adapter contains performance improvements and additional ease-of-use features.
- **JDBC interface for RDMS:** The JDBC interface now features support for multiple levels of RDMS.
- **Java Connectors:** Java connectors are available to DMS, RDMS, BIS, TIP, OpenDTP, and HVTIP. These connectors are an excellent and easy way to integrate ClearPath assets with external Java applications.

### Security

- **Enterprise Output Manager:** With Release 8.1 – included in the IOE – Enterprise Output Manager now offers the ability to send and receive encrypted e-mails and digitally sign e-mails for a higher level of security.
- **SSL and TLS Changes:** The SSL and TLS updates implemented in ClearPath OS 2200 Release 12.0 have been extended to the Java to OpenDTP connector.
- **CPCComm or CPCCommOS:** These products can now be configured to require client certificates on terminal sessions without host application changes.
- **Cipher API:** ClearPath OS 2200 Release 12.1 enables the Cipher API to be called from either a Java program or command line. >>

## Mission-Critical Attributes

- **Efficiency Improvements:** ClearPath OS 2200 Release 12.1 delivers efficiency advancements for the DMS Resource Adapter, Java, and OpenDTP; accelerates XATMI and XA calls; and provides more and faster connections in the COMAPI Queue Bank Repository.
- **CIFS:** CIFS now has a 24x7 capability, enabling the continuous operation of such resources as Java-based servers.

Moving up to the latest release of the ClearPath OS 2200 operating environment will help your organization:

- Reduce operating expenses by eliminating labor-intensive manual processes and enabling business process integration
- Cut development times through a common set of Open Source, Eclipse-based tools for all platforms
- Increase business agility via a reliable, secure, real-time infrastructure that accommodates flexible, SOA-enabled applications
- Protect your assets from internal and external attacks by managing sign-on and access rights
- Realize a robust transaction-processing environment with complete data integrity

*For more information about the many new features in ClearPath OS 2200 Release 12.1, check out the Software Release Announcement in the Documentation section of [support.unisys.com](http://support.unisys.com) (no user ID required).*

## New ClearPath Libra 750 Server Delivers Performance and Flexibility

MCP



Please join us in welcoming the newest model to the ClearPath Libra family! We are proud to announce the release of the ClearPath Libra 750 Server, a mid-range platform that delivers a scalable, policy-based architecture. Ideal for enterprise environments, this new model enables you to run hundreds of business-critical workloads and databases under a single instance of the ClearPath MCP operating system – while providing the same industry-standard development tools and high levels of security, availability, and resiliency you’ve come to expect from a ClearPath server.

### The Libra 750 Specs

A fully redundant, dual-cell platform, the Libra 750 mainframe can operate as two independent partitions – each with its own processors, memory, and I/O – enabling you to effectively address dynamic operational environments.

The Libra 750 is a metered system, which enables you to adopt a Pay-for-Use business model by paying only for those resources you consume, while providing the flexibility to tap into extra processing power when needed. In fact, the Libra 750 Server delivers 60 to 1,400 metered MIPS, with a ceiling at 2,000 MIPS, giving you the freedom to align computing resources with business needs.

As always, there’s no need to make any changes to your applications when moving them to the Libra 750 – this new system maintains complete code compatibility with older platforms. In addition, the Libra 750 delivers the same middleware and open features as other MCP-based servers, enabling it to fully participate in your SOA implementation.

This new platform includes a host of operating and development technologies, including the ClearPath MCP operating environment, Java and Java EE, and a fully integrated transaction processing infrastructure. Optional advanced development technologies include Agile Business Suite and Enterprise Application Environment.

What’s more, the Libra 750 includes optional integration with key Specialty Engines – each of which is integrated with and runs under the control of the MCP operating system – designed to help you maximize your ClearPath environment:

- [ClearPath MCP JProcessor](#) Specialty Engine provides a secure environment for your Java and PHP applications
- [ClearPath ePortal](#) makes transactions and applications available over the Web and on mobile devices, such as the Apple iPhone
- Cryptographic Coprocessor cost-effectively bolsters the security of your ClearPath environment, helping you more effectively protect sensitive data through advanced encryption >>

And to help you further match IT costs to your organizational requirements, the Libra 750 Server offers several flexible software licensing options:

- Pre-paid or base plus usage, using metering technology
- General purpose workload licensing
- Agile Business Suite workload licensing
- Software Developer's Kit workload licensing with all compilers and application software development tools included

*To learn more about this new server, visit the Libra 750 section of the [eCommunity](#). Please contact your Unisys sales executive to find out if the ClearPath Libra 750 Server is right for your business and technical needs.*

## Introducing Unisys SafeGuard Recovery Services and Solutions

Ask any CIO what challenges keep them awake at night and one of them will likely be disaster recovery (DR). The worry is, "Can my IT environment successfully sustain a major outage or natural disaster?" Unisys stands ready to help.

We are pleased to introduce Unisys SafeGuard\* Recovery Services and Solutions: your one-stop center for DR solutions to protect your mission-critical data and application tiers. Today, there are numerous options for addressing disaster recovery needs, and our new services offer solution recommendations, architectural guidance, and consulting services with a ClearPath perspective that you can't find anywhere else. We'll help you create a DR solution that meets your specific recovery point and time objectives (RPO/RTO) and includes the right combination of hardware and software, from Unisys and our partners. What's more, we'll show you how new, advanced software features can provide automated orchestration of data and application recovery.

SafeGuard Recovery Services and Solutions can point the way. For more information, contact your Unisys Sales Executive.

\* You may recognize the SafeGuard name, as it was a Unisys DR product that offered advanced recoverability features for both ClearPath Libra mainframes and open servers. Now the key features and functions of SafeGuard have been integrated into EMC® RecoverPoint® products, which Unisys will offer to new and existing clients to protect the data tier.

## Partner Corner: TeamQuest Corporation

*By Edsar Calaguas, TeamQuest Director of Global Business Development*

There's not a data center on the planet that doesn't need all the help it can get when it comes to managing limited resources and ensuring the best possible performance – while maximizing ROI. So, chances are very good that if you're an OS 2200 shop, you're using tools like Baseline, SIMAN, OSAM, PAR, MSAR, and LA. And if your favorite mainframe runs the ClearPath MCP operating system, it's a good bet you rely on such tools as SMFII and Online.

### Meet TeamQuest – The IT Service Optimization Company

Here's something you may not know – all of these tools come from TeamQuest. Founded 19 years ago, TeamQuest lays claim to a much longer history, having once been a part of Unisys. Based in Clear Lake, Iowa, the company is a global leader in IT Service Optimization (ITSO) and dedicated to helping IT organizations consistently meet service levels while minimizing infrastructure costs and mitigating risks.

TeamQuest specializes in capacity-planning techniques, including analytic modeling, simulation modeling, and trending. And, historically, many of our products came to you directly from Unisys as a part of the IOE (standard system software bundle). But starting in 2009, TeamQuest products became separately licensed – so we thought it was time you learned more about us.

*“TeamQuest Baseline has made my job much easier. I can access the information I need on a continual, real-time basis without having to dig through system logs. I can react to events as they happen and not after the fact. In addition, it allows me to produce history reports that make detecting and following system trends a very easily accomplished task. I have been incredibly pleased with TeamQuest Baseline and do not feel I could do my job adequately without it.”*

– Kathy Tenges, Lead Operating Systems Analyst, EMC Insurance Companies

### In Step with Unisys

TeamQuest solutions are ready from “day one” to support new hardware platforms, new features, and new levels of the OS. And, Unisys Engineering uses a variety of tools to help ensure its new and updated products continue to meet performance expectations, including TeamQuest products.

Here's just one example of how TeamQuest products have stayed in step with advances in ClearPath technology. The introduction of Pay-for-Use business models and metering technology for ClearPath mainframes caused a paradigm shift in how customers purchase processing power. But, the flexibility of being able to dial-up processing power when and where needed doesn't eliminate the need for sound capacity measurement and projection processes. In fact, measurement and projection become more important than ever. You must estimate the MIPS you'll need over the life of the contract – and track/analyze usage over time to ensure you are staying within your overall budget. This is where our tools can help. >>

For example, TeamQuest Baseline or TeamQuest SMFII allows you to graphically monitor and track your MIPS usage in real time down to a granularity of one minute or less. Then you can use this historical data to easily and accurately trend MIPS usage out into the future. Determining whether you are on target or over budget for your monthly MIPS usage is also simple, as these same products can be used to perform correlation analysis between performance statistics to identify “cause and effect” relationships. What’s more, thresholds can be defined on performance data and alarms sent when predetermined limits are exceeded and SLAs aren’t met.

## 100% Committed to ClearPath – and ClearPath Customers

TeamQuest is fully committed to ClearPath mainframes – with more than 23 products that not only keep pace with Unisys software releases, but are *routinely enhanced* to provide new capabilities. What's more, we provide capacity and performance management tools for a range of platforms and operating environments, including Microsoft Windows, Sun™ Solaris™, Linux®, AIX, VMware®, and many others. Visit the [TeamQuest web site](#) for more information on [OS 2200](#), [MCP](#), and other open systems products.

Finally, our support for the Unisys mainframe community goes beyond simply being a vendor – with many senior TeamQuest staff participating in UNITE, including chairing working groups and delivering presentations at the annual Technology Conference. Stop by our booth or attend a performance or capacity management presentation when you come to [UNITE 2010](#), which runs May 23-26, 2010, at the Baltimore Marriott Waterfront Hotel.

*To learn more about TeamQuest, visit our web site: [www.teamquest.com](http://www.teamquest.com). And should you have questions or need additional information, please email us at [info@teamquest.com](mailto:info@teamquest.com).*

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## Calendar

There are many learning opportunities available to you. Please be sure to check the Webcasts & Events section of the [eCommunity](#) for the latest information.

What	Where	When
<a href="#">ClearPath Briefings</a>	Antwerp, Belgium	April 20, 2010
<a href="#">ClearPath Briefings</a>	Gaydon, nr Warwick, UK	April 22, 2010
<a href="#">ClearPath Briefings</a>	Paris, France	May 4, 2010
<a href="#">UNITE Annual Technology Conference</a>	<a href="#">Baltimore Marriott Waterfront Hotel</a> , Baltimore, MD	May 23-26, 2010

## Stay One Step Ahead in 2010 by Unlocking Your IT Budget

By James Walker, Global Program Manager, Unisys Leasing Worldwide

Investing in technology is essential to maintaining a competitive advantage and managing costs. Yet, today's IT directors face many competing challenges, such as keeping pace with the latest solutions while simultaneously phasing out obsolete equipment that remains on their books.

We understand these challenges and recognize that when you invest in Unisys products, solutions, and services, it is important that we deliver not just the best technical solution, but a financial solution tailored to your needs, as well.



*A Client Solutions Program provided by Key Equipment Finance*

### Flexible Financial Options That Fit Your Business

We are aware that your 2010 IT budget is limited and subject to ever-increasing scrutiny and competition. Unisys and Unisys Leasing Worldwide can help you by structuring financial solutions that work with your available budget – or even defer payment until your next budgetary period. As such, you'll be able to realize the benefits of the latest technologies, such as the new ClearPath Libra 750 Server, in a way that makes financial sense.

Unisys Leasing Worldwide offers a wide range of financing solutions that allow you to:

- Spread the cost of an investment over its beneficial economic life
- Preserve working capital for investment in other areas of your business
- Lower total cost of ownership
- Align payment programs with expected revenue
- Engage in technology refreshes for future flexibility
- Provide "off balance sheet" financing
- Take advantage of competitive pricing when compared to external banks' financing or internal capital

Unisys Leasing Worldwide, a Client Solutions Program provided by Key Equipment Finance, offers financing support in 42 countries. For more information on how Unisys Leasing can help you, please contact your regional leasing manager:

- Americas: Doug Dupy, 1-720-304-1754, [doug\\_dupy@key.com](mailto:doug_dupy@key.com)
- Europe: James Walker, +44-(0)-7802-630-027, [james.r.walker@unisysleasing.com](mailto:james.r.walker@unisysleasing.com)
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