



ClearPath Connection

A Quarterly Newsletter for Unisys ClearPath Customers

December 2012

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BIS event coming in 2013.
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Innovation You can Count on: ClearPath Dorado 4200 Platforms



By Ann Thureen, Vice President, ClearPath OS 2200 Development, Unisys TCIS



I couldn't be more excited about our recent ClearPath launch, which delivered some of the most innovative, robust technology we've ever incorporated into the ClearPath Dorado and ClearPath Libra platform lines.

Though all of the systems included in the launch are noteworthy in their own right, I'd like to explain why the ClearPath Dorado 4200 series is one of our most innovative. These systems represent the next step in our vision of a fully compatible and capable OS 2200 environment based on a 64-bit Intel® Xeon® Processor architecture.

And while these aren't our first Intel® processor based OS 2200 platforms, the Dorado 4200 series has more than three times the processor performance of the initial Intel® based Dorado platform – and boasts a 33% increase in processor performance over its predecessor, the Dorado 4100 family. At the same time, we've added a new I/O system that boosts storage performance and throughput by 50% and 20%, respectively.

These are very capable systems that prove we can build a fully compatible, high-performance OS 2200 environment on Intel® technology. That's right – **fully compatible**.

If you opt to move to a Dorado 4200 platform from an older system, you won't have to recompile or change your applications. They'll just run – thanks to leading-edge >>



innovation in the areas of Unisys Intel® firmware and compilers. We've actually submitted a number of patents in this area and were recently recognized at an international conference on compiler technology for doing work at a level that no one else in the industry has attained. And we aren't done. We've proven that we can increase the power and performance of the OS 2200 environment using these techniques and will continue to build on these results in future systems.

The Dorado 4200 systems are also the first OS 2200 platforms to employ our secure partitioning (s-Par®) technology, which allows you to leverage dedicated, fully integrated instances of both the [ClearPath ePortal for OS 2200](#) and [ClearPath OS 2200 JProcessor](#) specialty engines – as well as an optional instance of the [ClearPath OS 2200 QProcessor](#). Why is this better? Because it enables greater flexibility and optimization of system resources for web and mobile integration, message queuing, and Java apps, while

providing the unparalleled isolation and security you need to safeguard your operations. Better yet, not only can Dorado 4200 systems serve as the engines of your application modernization initiatives, they also represent a great stepping stone for our upcoming ClearPath Forward technology.

We've also used new innovations to make the Dorado 4200 series “green” machines that deliver higher capacity in a compact footprint. For the first time, you can combine partitions in one cabinet, giving you higher I/O connectivity and more integration with the specialty engines. In the end, you'll be able to do more in a smaller space, and spend less on power and cooling in the process. It's good to be green.

At the same time, these systems offer the world-class reliability, availability, and security you've come to expect from a ClearPath platform. In fact, ClearPath clients recently told me that they have so much confidence in the reliability of their systems that they no longer need to

worry about it. We take this reputation – both ours and that of our clients – very seriously, and these new platforms continue to uphold it. And to support this goal, we remain committed to making continued investments in engineering and innovation. In fact, we filed for over 100 patents in engineering this year alone.

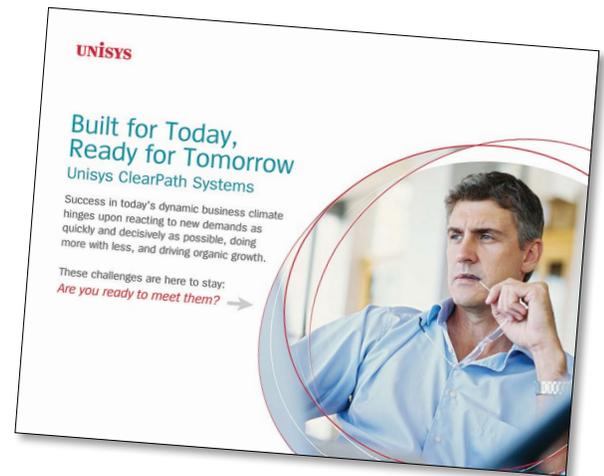
Our latest advances in technology and integration, as well as a long history of industry leadership, have combined to produce a new line of Dorado platforms that provides more capability and flexibility, while maintaining the security, reliability, and availability you've come to trust day in, day out. Now that's innovation you can count on.

If you and your colleagues would like to learn more about the state-of-the-art capabilities built into the Dorado 4200 systems, as well as other ClearPath platforms, I encourage you to [read our new eBook](#).



Built for Today, Ready for Tomorrow

Success in today's dynamic business climate hinges upon reacting to new demands as quickly and decisively as possible, doing more with less, and driving organic growth.



These challenges are here to stay: Are you ready to meet them? With a ClearPath system by your side, you are – and we've developed a new eBook that shows you how.

Download the eBook – and share it across your organization – to learn how ClearPath systems can help you react to new business demands, enhance productivity, and grow your business by delivering:

- **Simplified Mobility:** Integrated tools help you easily enable existing applications for use on the Web, smartphones, and tablets. And a “develop once, deploy many” methodology lets you extend the same application to different devices and mobile operating systems without any required changes.
- **Enterprise-Wide Automation:** Comprehensive features enable you to take simple steps today that pay big dividends tomorrow. For example, you can automate

business continuity, unify silos, eliminate manual processes, and streamline the management and distribution of documents.

- **Strategic Integration:** Powerful capabilities enable existing applications to participate in SOA or build new SOA services. What's more, a full set of industry-standard tools and connectors allow your ClearPath system to leverage Java and .NET components running on a number of heterogeneous platforms.
- **Secure, Business-Critical Performance:** Proven, industry-leading performance, reliability, and security mean you can trust even the most sensitive workloads to your ClearPath system. And with an unrivaled history of protecting data, your ClearPath platform will help you safeguard business-critical information and avoid the harmful effects of breaches, theft, or corruption.

- **Low Total Cost of Ownership:** Studies following an approach validated by a leading industry analyst firm have found that ClearPath systems perform better than industry averages for mission-critical transaction-processing systems. In addition, the ClearPath TCO Assessment service shows how costs are distributed in your environment – and benchmarks the results against key IT and business-sector metrics, showing how your organization compares with its peers.

To learn more about how your ClearPath system is designed to help you address the challenges of today – and tomorrow – please take a few minutes to read our new eBook. It's a great way to highlight the value of ClearPath systems, and a useful resource for anyone new to the ClearPath world.



Remote System Health Check Service Now Included with Purchase of Select ClearPath Systems

We are pleased to announce that all new mid-range and high-end ClearPath systems are now eligible to receive an **annual Remote System Health Check (RSHC) assessment service free of charge.**

The RSHC service performs a thorough review of your existing ClearPath hardware and software, identifying operational gaps and providing actionable, corrective steps that help improve reliability and availability. Unisys data center support experts “take the pulse” of your ClearPath platform by analyzing system logs and trace data to ensure you are not experiencing configuration or bottleneck issues.

How it Works

The RSHC process begins when you arrange a convenient time for a Unisys software support engineer to remotely and unobtrusively access your ClearPath environment and download system data, which typically takes just a few hours to complete. We’ll then analyze the data, prepare a written report, and review it with you either over the phone or in person.

The report may include various recommendations, such as suggested product updates, identify any gaps or latent software error conditions, provide actionable steps to help increase reliability and availability, and offer guidance and strategies to better align your ClearPath environment with business goals. The report and results briefing can be delivered in English, French, Spanish, German, Italian, Portuguese, Mandarin, or other languages.

Also included with the RSHC service is a training course that focuses on helping you get the most out of our [Product Support Knowledge Base](#) web site. This course includes “how to” instruction for common tasks, including:

- Basic access, such as requesting access rights (entitlement), registration, and sign on

- Locating various product areas, searching for information, downloading files, uploading diagnostic materials, and requesting alert notifications
- Submitting and managing support requests

This course will help new members of your staff familiarize themselves with the resources available on the Knowledge Base, and introduces existing users to any new capabilities that were recently added to the site.

Get Started Today

The RSHC service is not limited to the newest ClearPath systems. It is also available to all ClearPath customers worldwide – at a reasonable price – so long as remote connectivity is enabled. While the service is typically performed remotely, it can be delivered onsite for an additional charge. Furthermore, it can be a one-time engagement or performed on a semiannual or quarterly basis.

What do we do during a typical Remote System Health Check?

- Document system and partition hardware and software
- Identify critical platform, software, and security updates
- Identify qualified software and driver levels
- Note hot-fixes recommended by Microsoft® and Unisys
- Record any operating system and hardware errors
- Ensure the integrity of Unisys Call Home functionality
- Provide a written and oral report of findings

For more information on the RSHC offering, as well as other ClearPath support services, please contact your Unisys representative or visit the [Technology Support Services homepage](#).

Tech Corner: Message Queuing and the ClearPath OS 2200 QProcessor

By John Carter, Consulting Engineer, Unisys TCIS

If you're like many of the OS 2200 techs that I run into, you're being asked to find new ways to get your ClearPath apps (and their data) to play well with others. If that's the case, then I urge you to think about trying the world's most popular integration tool: IBM® WebSphere® MQ.

Yes, you heard that right...a Unisys guy is recommending an IBM solution. However, it's a solution that runs on your ClearPath platform and has been extensively tested and validated to ensure it functions as a proud member of the ClearPath OS 2200 operating environment.

Organizations routinely rely on message queuing because it:

1. Enables reliable, secure, persistent and non-persistent message delivery
2. Holds messages if the network connection to the remote system is lost and submits them for processing once it's restored
3. "Triggers" application initiation to process messages
4. Fits into the integration strategy of a heterogeneous data center
5. Provides both synchronous and asynchronous message exchange
6. Enables applications to use advanced message queuing techniques
7. Eliminates the need for programmers to worry about communications protocols

And as evidenced by the fact that it is in use at over 10,000 sites and supported on more than 80 platforms, WebSphere MQ is clearly proven technology. It increases the interoperability and flexibility of an application by allowing it to be distributed across heterogeneous platforms, where it can communicate with other independent and potentially non-concurrent applications.

This is just one of the many reasons why WebSphere MQ is routinely used to support the most mission-critical – and complicated – inter-system processes. For example, I have seen one organization use WebSphere MQ in its OS 2200 environment to enable a ClearPath hosted application to confirm a variety of reference data points by communicating

Performance is Built in to the OS 2200 QProcessor

The OS 2200 QProcessor supports messages of up to 100 MB, and depending on size, can easily process over 2,000 messages per second (MPS).

with more than 25 other systems on UNIX®, Linux®, and IBM platforms. Thousands, if not millions, of messages are processed per day, and transaction response times routinely fall in the subsecond range.

ClearPath OS 2200 QProcessor Delivers Advanced Message Queuing

Let's start with a bit of history. WebSphere MQ has been available in the native ClearPath operating environment since 2000, in the form of MQSeries for ClearPath OS 2200 (MQS2200). This technology enabled organizations to leverage popular tools to develop new WebSphere MQ applications for the ClearPath OS 2200 environment. And because it was built to function entirely within the OS 2200 environment, it complemented organizations' message queuing functions with the advanced, unparalleled security measures that have become hallmarks of ClearPath Dorado platforms. When released, MQS2200 matched the base functionality available in WebSphere MQ version 5.0. >>

In May of 2009, we introduced the [ClearPath OS 2200 QProcessor](#) specialty engine to provide support for WebSphere MQ version 6.0 message queuing running under the control of the OS 2200 operating environment. The goal of the OS 2200 QProcessor and its paired software component, WebSphere MQ for ClearPath OS 2200 (WMQ2200), was to improve messaging on ClearPath Dorado systems, provide tighter integration with existing applications and data, and accelerate the delivery of MQ releases in order to provide additional functionality. In this regard, WMQ2200 and the OS 2200 QProcessor have succeeded magnificently.

The release of [ClearPath OS 2200 13.1](#) in June of 2012 included the OS 2200 QProcessor Release 2.0,

High-Availability Support Ensures Reliable Message Delivery

The OS 2200 QProcessor can be configured to participate in high-availability deployments, giving you the assurance that message queuing functions will continue no matter the circumstances. To learn more about high availability and the OS 2200 QProcessor, please see the [“HA Cluster Basics,”](#) [“HA Cluster Details,”](#) and [“Configuring HA Resources”](#) videos on the ClearPath YouTube channel.

which is optimized to run WebSphere MQ version 7.0 and features such noteworthy enhancements as:

- High-availability implementations via automatic failover between OS 2200 QProcessor nodes
- Support for Unisys multi-cluster Extended Transaction Capacity (XTC)
- A new Publish/Subscribe engine for easier management of multi-point message distribution

- The WebSphere MQ bridge for HTTP, which provides easier access to WebSphere MQ by client systems and applications
- Improvements to the Java Message Service (JMS) APIs when calling to WebSphere MQ

As Figure 1 illustrates, the OS 2200 QProcessor, as well as its subsequent releases, incorporates many of the newest key features of WebSphere MQ. >>

Figure 1: Key features of WebSphere MQ and the OS 2200 QProcessor level when support was introduced.

FEATURE	WEBSHERE MQ LEVEL INTRODUCED	QPROCESSOR LEVEL INTRODUCED
Queue managers clustering and 64-bit threaded mode	6R0	1.0
SSL support	6R0	1.0
Publish/Subscribe	6R0	1.0
Web-based administrator interface	6R0	1.0
Automated High Availability	6R1	1.5
WebSphere MQ classes for Java/JMS	6R1	1.5
WebSphere MQ Extended Transactional Client	6R1	1.5
Administration Enhancements	7R0	2.0
Message Queue Interface Extensions	7R0	2.0
MQI Client Enhancements	7R0	2.0
Publish/Subscribe Integration	7R0	2.0
WebSphere MQ Bridge for HTTP	7R0	2.0
WebSphere MQ Java Message Service Enhancements	7R0	2.0
XTC and XTC 2PC Recovery	7R0	2.0

Making the Move to the OS 2200 QProcessor

Since we've been working to ensure that the OS 2200 QProcessor remains up to date with IBM's latest enhancements to WebSphere MQ, keeping pace with these updates is critical to maximizing the value of your message queuing capabilities. So if you're currently using MQS2200 in your OS 2200 environment, you may want to consider migrating to the OS 2200 QProcessor in order to take advantage of the enhancements mentioned above.

And when you're ready to migrate, we recommend that you consider following a specific approach in each environment you operate:

- **Development:** Keep MQS2200 running in the background as you migrate message queuing operations to the OS 2200 QProcessor. Because this is

happening in a more behind-the-scenes environment, you'll be able to develop your unique migration needs without disrupting support of your production systems.

- **Production Test:** Take an approach where you're on MQS2200 one week, and on the OS 2200 QProcessor the next. This provides with you the ability to develop the appropriate procedures to flip back and forth between MQS2200 and WMQ2200 as needed. This way, you'll have a great way to see how such a cutover could unfold in your production environment, while providing the ability to address challenges and iron out any kinks you encounter.
- **Production:** Use the lessons learned from your work in development and production test environments and go for the "big bang" – where you completely replace MQS2200 with WMQ2200 and the OS 2200 QProcessor.

While the WebSphere MQ software we offer is functionally identical to the retail version available from IBM, it has been extended in many ways to tightly integrate with the OS 2200 environment. In addition, please note that integration requires no recompilation of MQS2200 programs in order for them to run on the OS 2200 QProcessor with WMQ2200.

Looking to Learn More?

If you're interested in learning more about the ClearPath OS 2200 QProcessor, please check out the [updated playlist](#) on the ClearPath YouTube channel. When you do, you'll find videos covering everything from configuration and management to disaster recovery and high availability.



Storage News

EMC RecoverPoint 3.5 Qualified for ClearPath Systems

EMC® RecoverPoint provides continuous data protection and remote replication for on-demand protection and recovery to any point in time – at both local and remote sites. It supports policy-based management, application integration, and WAN acceleration, allowing organizations to implement a single, unified solution to protect and/or replicate data across heterogeneous storage arrays.

We recently qualified RecoverPoint 3.5 for numerous ClearPath environments. To find out what's included in version 3.5, download EMC's "[Introduction to EMC RecoverPoint 3.5](#)" white paper.

ClearPath OS 2200

Qualification of RecoverPoint 3.5 (N.139) using the CX™, VNX®, and Symmetrix® VMAX® splitters has been completed for the following ClearPath OS2200 platforms:

- ClearPath Dorado 320, 330, 340, 350, 380, and 390 systems
- ClearPath Dorado 420 and 430 systems
- ClearPath Dorado 740, 750, 780, and 790 systems
- ClearPath Dorado 840, 850, 860, 870, 880, and 890 systems
- ClearPath Dorado 4050, 4080, and 4090 systems
- ClearPath Dorado 4150, 4180, and 4190
- ClearPath Dorado 4250, 4270, 4280, and 4290 systems

ClearPath MCP

RecoverPoint 3.5 (N.139) using the CX and Symmetrix VMAX splitters, as well as SANTap, has been qualified for the following ClearPath MCP platforms:

- ClearPath Libra 680 and 690 systems
- ClearPath Libra 750, 780, and 790 systems

- ClearPath Libra 880 and 890 systems
- ClearPath Libra 4000 and 4100 systems
- ClearPath Libra 4280 and 4290 systems
- ClearPath Libra 6280 and 6290 systems
- ClearPath Financial Services FS1800, FS4150, and FS4190 systems

ClearPath MCPvm

RecoverPoint 3.5 is qualified for the following ClearPath MCPvm platforms:

- ClearPath Libra 400, 450, and 460 systems
- ClearPath Financial Services FS1700, FS1750, and FS1760 systems
- ClearPath SP1760 system

EMC DLM1010/1020, 2000, and 6000 with EMC Data Domain Qualified for ClearPath Dorado Systems

[EMC Disk Library for mainframe \(DLM\)](#) combines virtual tape emulation (VTE) with disk-based storage to optimize read and write operations, enabling organizations to reduce or eliminate the need to manage physical tapes. The addition of Data Domain deduplication technology creates additional efficiencies by minimizing the amount of data to be stored.

DLM provides up to 1.2 PB of usable capacity and up to 1.2 GB/s of throughput, and can emulate up to 1,536 tape drives in one system. It works seamlessly with existing applications, providing a high-capacity tape replacement solution with RAID 6 protection, hot spare disks, and enhanced disaster recovery via replication to one or more sites. >>

DLm1010/1020, DLm2000, and DLm6000 are supported on the following ClearPath Dorado platforms:

- ClearPath Dorado 740, 750, 780, and 790 systems
- ClearPath Dorado 840, 850, 860, 870, 880, and 890 systems
- ClearPath Dorado 4080 and 4090 systems
- ClearPath Dorado 4180 and 4190 systems
- ClearPath Dorado 4250, 4270, 4280, and 4290 systems

Please note that at this time DLm1010/1020, DLm2000, and DLm6000 are only supported on FICON channels.

DSI VTL V3 High Availability Supported on ClearPath Dorado Systems

The latest versions of Dynamic Solutions International (DSI) Virtual Tape Library (VTL) solutions include high-availability features that are supported on the following ClearPath Dorado platforms:

- ClearPath Dorado 320, 330, 340, 350, 380, and 390 systems
- ClearPath Dorado 420 and 430 systems
- ClearPath Dorado 740, 750, 780, and 790 systems
- ClearPath Dorado 840, 850, 860, 870, 880, and 890 systems
- ClearPath Dorado 4050, 4080, and 4090 systems
- ClearPath Dorado 4150, 4180, and 4190



Tips on Searching Unisys Documentation for Technical Information

By Roseanne Meier, Product Information Specialist, Unisys TCIS

What is the most efficient way to resolve technical questions about your ClearPath platform? You could ask a peer for help, or you can find the answer by searching Unisys documentation. In fact, you can find a host of information specific to MCP or OS 2200 environments on the documentation CD image, the Unisys Product Support site, or by using your preferred search engine.

Finding Information on the Unisys CD Image

As part of every new ClearPath release, we update and improve the product documentation and build a CD image containing all of the manuals for the release in one convenient location. The image is shipped on a CD-ROM with all product orders and made available for download on the Unisys Product Support site.

Included on the CD image is the Unisys CDLib Manager application. Downloading CDLib Manager to your workstation enables you to view and search the documentation library of a single release, or even multiple releases at one time. You can also search for a term across all documents and then locate specific instances of it in a particular PDF without additional effort. Please note that this search tactic will provide the most relevant results.

Best of all, since this documentation resides on a physical CD, there's no reason to worry about storing each library on your PC.

For details on efficiently searching documentation on the CD image, please view the [CDLib Manager User's Guide](#).

Finding Information on the Unisys Product Support Site

Searching the [Unisys Product Support site](#) will provide you with access to manuals, product release CD image downloads, and a whole host of additional documentation organized into specific libraries, such as OS 2200 and MCP systems, storage and peripherals, application development solutions, and more. Each document in a library includes a link to a problem list entry (PLE) containing updates and information that was not available at the time the document was released – ensuring that you'll always have access to the most up-to-date information.

To search for information across the entire Product Support site, start by selecting "Documentation" in the "Public Information" box located on the left-hand side of the homepage,

agree to the terms of service, and enter your search terms in the field at the top of the screen. Or, you can navigate to a specific topic (i.e., "Agile Business Suite Demonstrations") and enter your terms in the field provided to locate information within that library.

You can use your PRIMUS ID to sign on to the [Product Support Site](#), though it's not required to access most documentation.

Finding Information Using a Search Engine

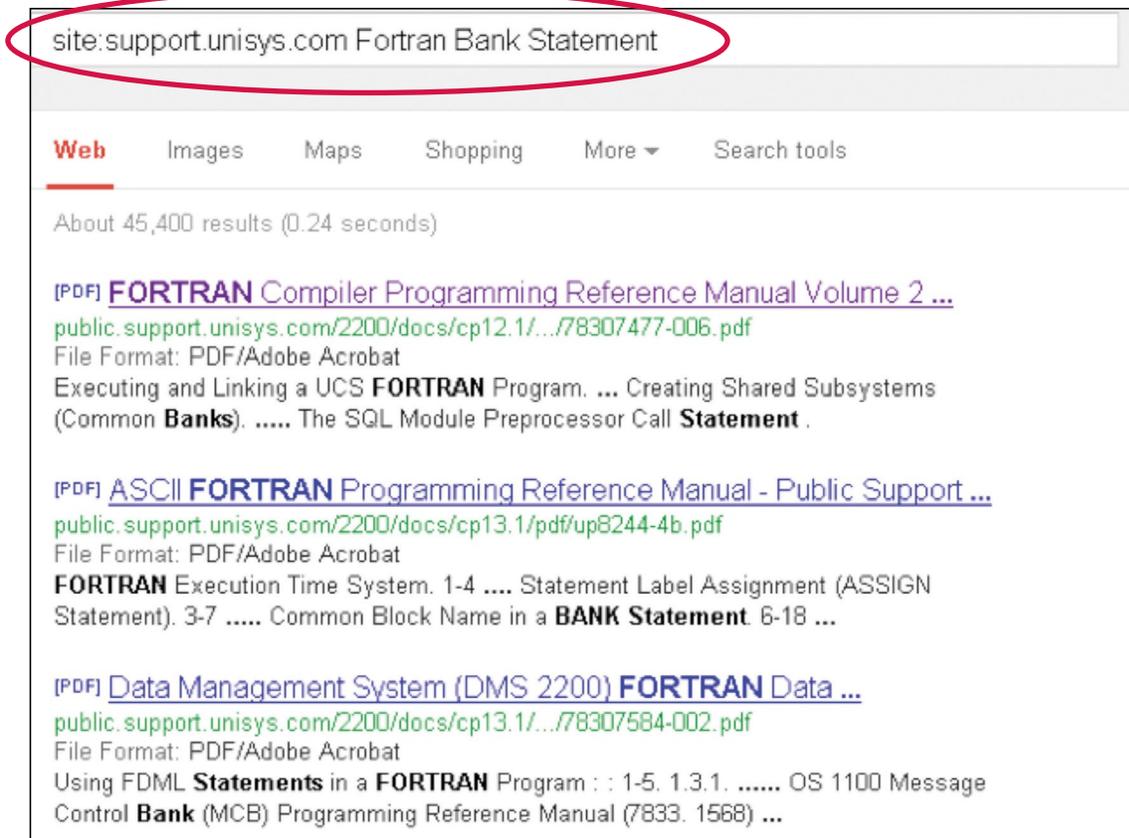
You can use your favorite search engine to find Unisys documentation without signing onto the Product Support site. While a simple keyword search may deliver the results you're looking for, we recommend refining your search criteria by using the following convention: "site:support.unisys.com <product level> < term> <part number> < topic area>." >>

For example, your search could look like:
“site:support.unisys.com 13.1 COBOL,”
“site:support.unisys.com MCP Release 13.1,”
or “site:support.unisys.com Fortran Bank
Statement.”

Please note that the order of the results may vary depending on which search engine you use.

For tips you can apply to any search engine, please visit [Google’s basic search help page](#).

Below is an example of the results for the last search using Google.





New Case Studies Highlight Big Benefits for Insurers

New Web Services and Lower IT Costs



Manulife Insurance Company Japan, a global provider of financial protection and wealth management products and services, wanted to reduce operating costs –

while encouraging ongoing growth – by refreshing its ClearPath environment and enabling existing business applications to interact with more assets, users, and devices.

Unisys helped the company develop a service-oriented architecture (SOA) capable of accessing the business logic

in its existing systems and building new web services that enhance staff efficiency and improve customer service. A key part of this process was the deployment of the ClearPath OS 2200 JProcessor specialty engine, which enabled the secure development of Java applications running under the control of the OS 2200 operating environment.

With these capabilities, Manulife Japan cut the time to complete batch processing tasks in half, shortened the turnaround on policy value requests, improved customer service, and realized greater value from its existing ClearPath investments.

[Read the full story.](#)

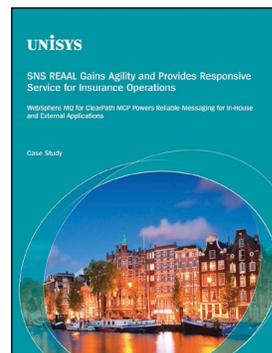
Greater Agility and Responsive Service for Insurance Operations

SNS REAAL, a leading financial services organization in the Netherlands, leverages WebSphere MQ for ClearPath MCP – a widely used middleware solution – to support two-way messaging between the core insurance applications on its ClearPath system and applications running in Microsoft Windows®, IBM AIX®, and UNIX environments.

And although message traffic has steadily increased in the decade since the solution was first deployed, the integration continues to perform flawlessly.

By working with Unisys, SNS REAAL improved the stability, reliability, and performance of its insurance operations – helping it provide ongoing support for mission-critical applications while delivering attentive, high-quality service.

[Read the full story.](#)





The ClearPath YouTube Channel Continues to Grow

The [ClearPath YouTube channel](#) has been updated with a host of new videos, including content developed specifically for Enterprise Application Environment (EAE) and Agile Business Suite (AB Suite) users.

This [six-video playlist](#) focuses on modernizing existing applications with the ClearPath ePortal specialty engine by showing you how to create an EAE/AB Suite data source and different types of presentation projects in ePortal Developer. To that end, these videos cover the following topics:

- [How to Generate Bundles for an AB Suite/EAE Data Source Project](#)
- [How to Create an AB Suite/EAE Data Source Project](#)
- [How to Create an AB Suite/EAE Web Presentation Project](#)
- [How to Create an AB Suite/EAE Smartphone Presentation Project](#)
- [Customizing an AB Suite/EAE Application in ePortal](#)
- [How to Create WCF RESTful Service Application](#)

Please note that each video builds on the steps outlined in the ones that came before it, so it is best to watch them in the order specified above.

In addition, we have also [created a new playlist](#) of videos covering the highlights of our recent ClearPath launch:

- [Unisys Continued ClearPath Commitment](#) – featuring Unisys Chairman and CEO Ed Coleman
- [This is Big](#) – reviewing the innovation built into the newest ClearPath systems
- [They're Here – Unisys ClearPath Libra and Dorado Systems](#) – featuring Bill Maclean, VP, ClearPath and Agile Business Suite
- [ClearPath Consulting Services](#) – featuring Isaac Levy, Global Manager, ClearPath Services Solutions

And since we are routinely uploading new videos, we encourage you to check back often. Or, better yet, subscribe to the channel to receive notifications whenever new videos are posted.



Resources

The list below contains quick links that will help you stay up to date on all things ClearPath.

- [ClearPath Libra homepage](#)
- [ClearPath Dorado homepage](#)
- [ClearPath OS 2200 homepage](#)
- [ClearPath MCP homepage](#)
- [Agile Business Suite homepage](#)
- [Business Information Server \(BIS\) homepage](#)
- [ClearPath & Innovation Blog](#)
- [ClearPath How-To Videos on YouTube](#)
- [ClearPath Libra/MCP Webinars](#)
- [ClearPath Dorado/OS 2200 Webinars](#)
- **NEW eBook:** [ClearPath MCP Case Studies](#)
- **NEW eBook:** [Built for Today, Ready for Tomorrow – Unisys ClearPath Systems](#)
- **NEW Guide:** [ClearPath OS 2200 Course Catalog](#)
- **NEW Webinar:** [Fulfilling the Promise: Unisys Announces New ClearPath Libra 4200 and 6200 Series of Systems](#)
- **NEW Webinar:** [The Art of Performance: Unisys Announces Four New ClearPath Dorado 4200 Series of Systems](#)
- **NEW Webinar:** [Announcing Agile Business Suite 3.0](#)
- **NEW Webinar:** [Power Times Two – EAE/AB Suite and Enterprise Output Manager](#)
- **NEW Webinar:** [Free Yourself from Data Center Restrictions – What’s New in Operations Sentinel?](#)
- **NEW Webinar:** [ClearPath Advisory Services](#)

New Event: BIS Seminar

Please join us in Roseville, Minnesota, on April 17th and 18th, 2013, for a symposium on all things Business Information Server (BIS). We'll provide a general update on the direction of the BIS program, review the latest releases, offer training on the newest features, and more. The event is free of charge, but you'll need to cover airfare and lodging. [Register today!](#)

Specifications are subject to change without notice.

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