Introducing the Libra 6200 Series
Applied Innovation

Brian J. Herkalo
ClearPath Solutions & Portfolio Management
October 11, 2012
ClearPath… a Focus on Agility

Keep pace with rapid change
Business demands are accelerating and ClearPath must remove barriers to change

**Transparent growth**
- Accommodate growth - transaction, storage, network
- Ensure object-code compatibility
- Remove migration issues for platforms or software

Contemporary Solutions
Enrich current mission-critical solutions with standard tools and technologies

**Rapid solution modernization**
- Expand web services and mobile device support
- Open Source solution opportunities
- Automatic support for new software / mobile releases

Economics supporting Agility
Faster modernization with new workforce options

**Innovation for large-scale solutions**
- Application modernization without program change
- Expanded workforce opportunities
- Extensive services available for modernization
ClearPath = Mission Critical

ClearPath is Secure Mission Critical Computing

ClearPath Attributes

- Reliability and Resiliency
- Security
- Automation
- Mobile Computing
- Agility
- Scalability

ClearPath is a modern, open, mission critical high end server that runs on industry standard hardware, supports state-of-the-art middleware and development languages, and has the most secure, reliable and highest performing operating systems in the industry.

Six attributes that form the core of ClearPath differentiation.
ClearPath = Secure

security

Unisys Next Generation Servers
## ClearPath
**Backed by the Ultimate in Security**

### Operating System

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Number of Vulnerabilities</th>
<th>Date of Last Vulnerability</th>
<th>Compromised User Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unisys ClearPath OS2200</td>
<td>0</td>
<td>-</td>
<td>No</td>
</tr>
<tr>
<td>Unisys ClearPath MCP</td>
<td>1</td>
<td>12/31/2002</td>
<td>No</td>
</tr>
<tr>
<td>IBM zSeries</td>
<td>18</td>
<td>11/11/2011</td>
<td>Yes</td>
</tr>
<tr>
<td>IBM iSeries</td>
<td>19*</td>
<td>06/11/2009</td>
<td>Yes</td>
</tr>
<tr>
<td>OpenVMS</td>
<td>33</td>
<td>05/18/2012</td>
<td>Yes</td>
</tr>
<tr>
<td>HP-UX</td>
<td>322</td>
<td>04/05/2012</td>
<td>Yes</td>
</tr>
<tr>
<td>AIX</td>
<td>344</td>
<td>07/30/2012</td>
<td>Yes</td>
</tr>
<tr>
<td>Unix</td>
<td>648</td>
<td>08/06/2012</td>
<td>Yes</td>
</tr>
<tr>
<td>Windows</td>
<td>3,157</td>
<td>08/06/2012</td>
<td>Yes</td>
</tr>
<tr>
<td>Linux</td>
<td>3,799</td>
<td>08/07/2012</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Data taken 08/07/12
* One disputed

“The design and implementation of mainstream operating systems could be improved greatly by examining the security engineering decisions that were made while developing the ClearPath MCP environment.” — Symantec Corp., Oct., 2006
innovation

Unisys Next Generation Server Architecture
Secure Partitioning (s-Par®) is transforming ClearPath Architecture

- Specialty Engines support all current ClearPath platforms
  - Enable extended solution modernization
  - Establish an open environment for ClearPath
ClearPath Libra Server Expansion
Scalability addressing mission-critical needs

<table>
<thead>
<tr>
<th>Performance Level</th>
<th>Model</th>
<th>Platforms</th>
<th>Special Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premium</td>
<td>Libra 880 / 890</td>
<td>CMOS platforms</td>
<td>Includes ePortal / JProcessor</td>
</tr>
<tr>
<td></td>
<td>Libra 6280 / 6290</td>
<td>Intel-based platform</td>
<td>Integrated Specialty Engine</td>
</tr>
<tr>
<td>Mid-range</td>
<td>Libra 750</td>
<td>CMOS platforms</td>
<td>Includes ePortal / JProcessor</td>
</tr>
<tr>
<td></td>
<td>Libra 4280 / 4290</td>
<td>Intel-based platform</td>
<td>Integrated Specialty Engine</td>
</tr>
<tr>
<td>Entry</td>
<td>Libra 460</td>
<td>Intel-based platform</td>
<td>Specialty Engine Support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Announced in May 2012</td>
<td></td>
</tr>
</tbody>
</table>
New ClearPath Libra 6280 / 6290

The next step in the ClearPath Next-Generation High-End Server Architecture

<table>
<thead>
<tr>
<th>New Unisys / Intel-based MCP mainframes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ClearPath Libra 6290 Servers</td>
</tr>
<tr>
<td>• Pay-for-Use business models</td>
</tr>
<tr>
<td>• Metering technology</td>
</tr>
<tr>
<td>• High-end</td>
</tr>
<tr>
<td>ClearPath Libra 6280 Servers</td>
</tr>
<tr>
<td>• Traditional business model</td>
</tr>
<tr>
<td>• Capacity on Demand options</td>
</tr>
<tr>
<td>• High-end</td>
</tr>
<tr>
<td>ClearPath Libra 4290/4280 Servers</td>
</tr>
<tr>
<td>• Pay-for-Use business models, Traditional business models</td>
</tr>
<tr>
<td>• Mid-range</td>
</tr>
</tbody>
</table>
Next-Generation Architecture
Architectural Transformation

Libra 6200

Application Workload

MCP

I/O
Specialty Engine
Specialty Engine
Specialty Engine
I/O
Specialty Engine
Specialty Engine
Specialty Engine

Firmware
s-Par® (Secure Partitioning)
s-Par® (Secure Partitioning)

Unisys Intel Platform
Unisys Intel Platform
Unisys Intel Platform

Libra 6200 - Intel-based platform delivering CMOS-class performance
Libra 6200
Architectural Transformation

Extensive architectural transition

- Distributed processing units with high-speed interconnect
- Compelling performance, matching or exceeding CMOS
  - Single thread processor performance
  - Single image performance
- Significant increase in I/O, networking performance / capacity
- Increased Specialty Engine performance – built-in availability
- Transparent migration of functionality from previous Specialty Engine implementations

Sustained protection of ClearPath attributes

- Continued compatibility for MCP applications
- Metered and Traditional performance business models
Libra 6200 Series – Availability Built-in

Two Processor Memory Modules (PMM)
- Active – Passive
- Focused exclusively on IP functions
- Leverages powerful Intel® processors

Two IO Specialty Engine Modules (ISM)
- Active - Active
- Utilize state-of-the-art design in a compact 4U space with up to 4 PCIe slots in each ISM
- 8Gb Fibre Channel provides connectivity to latest enterprise storage

Two Network Security Appliance’s (NSA)
- Active - Passive

Two Operations Servers (OPS)
- Manages system component and MCP state
- Active – Passive

Configurable rack space
- 21 U
Libra 6200
System View – Secure Management LAN

[Diagram showing system components and connections]

Legend
- PMM: Processor and Memory Module
- ISM: I/O and Specialty Engine Module
- OPS: Operations Server
- IB: Infiniband
- PMC: Platform Management Card
- LOM: LAN On Motherboard

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Libra 6200
High Performance Architecture

Operations Server (OPS)
- Manages MCP state (Active-Passive)

Processor/ Memory Module (PMM)
- Focused exclusively on IP functions
- Designed for very high performance
- Leverages powerful Intel® processors
- Active / Passive

I/O and Specialty Engine modules (ISM)
- Intel® multi-core processor architecture
- Significant aggregate capacity increase over current architecture
- Redundant I/O (ISM’s are active-active) for high volume, redundancy & availability
- High performance channel support
- Multiple Specialty Engine Partitions
ClearPath Java: Reuse, Integrate, Develop and Participate in SOA

- Include your existing ClearPath applications and data in your SOA and Java implementations
- Develop new ClearPath-based SOA services and consumers
  - e.g. to extend your existing ClearPath applications
- Reuse and integrate your existing ClearPath applications and data
ClearPath ePortal
End User Interface Modernization

A single implementation
- Modernizes user interfaces
- Services multiple devices
- Integrates applications
Without application changes!

Open Development using Visual Studio

ClearPath Applications

Web Enablement

Browser

Mobile Device Integration

Smart Phone / Tablet

Web Services (application integration)

Web Services Consumers
Libra 6200
Availability by Design

Network Security

Unisys Intel Platform

Operations

Unisys Intel Platform

Processor / Memory

Unisys Intel Platform

I/O

JProcessor

JProcessor

ePortal

Unisys Intel Platform

I/O

JProcessor

JProcessor

ePortal

s-Par®

Networking

Storage

s-Par®

Networking

Storage

SAN

Direct Attach Storage

SAN
Libra 6200
Expanding Connectivity

- System supports high-performance channels
  - (4–12) 8Gb FC IO ports per ISM
  - (4–12) 1GbE Network ports per ISM
- (1) ePortal Business (Active – Passive)
- Up to (4) JProcessors (optionally licensed)
- Expanded connectivity via switches
- ePortal Enterprise Option
Libra 6200 vs. Libra 680
Energy Efficiency – Saving Money & the Environment

Better Data Center performance per Watt
- Low energy consumption at idle and full workload
- Power Supply Units (PSU) run at the highest possible efficiency
- Hot Spare puts PSU’s into a “sleep state” allowing active PSUs to operate on a higher point of the efficiency curve without losing redundancy

Improved efficiency reduces operating expenses
- High efficiency fans and airflow management
- Automated tracking and regulation of thermal activity

Up to 32%¹

Unisys Measured values
Libra 680 (8x) 2146W
Libra 6200 (8x) 1466W

¹ Measured under system load @ 100% processor utilization using approximated configuration equivalence
# Libra 6200 Product Attributes

## Selected Product Comparisons

<table>
<thead>
<tr>
<th>MCP Product Attribute</th>
<th>Libra 5x0 (8x) Product Profile</th>
<th>Libra 5x5 (8x) Product Profile</th>
<th>Libra 6x0 (8x) Product Profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single CPM</td>
<td>375 MIPS</td>
<td>375 MIPS</td>
<td>500 MIPS</td>
</tr>
<tr>
<td>Single Image</td>
<td>2000 MIPS</td>
<td>2100 MIPS</td>
<td>3100 MIPS</td>
</tr>
<tr>
<td>E-mode Memory</td>
<td>32 GB</td>
<td>32 GB</td>
<td>32 GB</td>
</tr>
<tr>
<td>Capacity Management</td>
<td>CoD, Metering</td>
<td>CoD, Metering</td>
<td>CoD, Metering</td>
</tr>
<tr>
<td>User Networking Ports</td>
<td>1 - 12 1GbE</td>
<td>1 - 6 1GbE</td>
<td>1 - 8 1Gb per cell</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 - 16 1Gb per system</td>
</tr>
<tr>
<td>User IO Storage Ports</td>
<td>1 - 32 1/2Gb FC</td>
<td>1 - 22 1/2Gb FC</td>
<td>1 - 16 2/4Gb per cell</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 - 32 2/4Gb per system</td>
</tr>
<tr>
<td>IO Port Type</td>
<td>1/2 GB Fibre SCSI</td>
<td>1/2 Gb Fibre SCSI</td>
<td>4 Gb Fibre SCSI Appliance (tape only)</td>
</tr>
<tr>
<td></td>
<td>1 Gb Ethernet</td>
<td>1 Gb Ethernet</td>
<td>1 GbE</td>
</tr>
<tr>
<td>IO Performance (IOPS, Aggregate Throughput)</td>
<td>30,000 IOPS, 1,230 MB/Sec</td>
<td>36,000 IOPS, 2,060 MB/Sec</td>
<td>43,200 IOPS, 2,240 MB/Sec</td>
</tr>
<tr>
<td>Operator Set</td>
<td>Epsilon</td>
<td>Epsilon</td>
<td>Epsilon</td>
</tr>
<tr>
<td>Specialty Engine Deployment</td>
<td>Hardware (external Specialty Engines)</td>
<td>Hardware (external Specialty Engines)</td>
<td>Hardware (external Specialty Engines)</td>
</tr>
</tbody>
</table>

Libra 6200 Product Profile

<table>
<thead>
<tr>
<th>Product Profile</th>
<th>550 MIPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30 – 4,200 MIPS</td>
</tr>
<tr>
<td></td>
<td>64GB (Mirrored)</td>
</tr>
<tr>
<td></td>
<td>CoD, Metering</td>
</tr>
<tr>
<td></td>
<td>8 - 24 1GbE</td>
</tr>
<tr>
<td></td>
<td>8 - 24 8Gb FC</td>
</tr>
<tr>
<td></td>
<td>8 Gb Fibre 1 GbE</td>
</tr>
<tr>
<td></td>
<td>(16Gb FC – in 2013)</td>
</tr>
<tr>
<td></td>
<td>(10GbE in 2013)</td>
</tr>
<tr>
<td></td>
<td>160,000 IOPS</td>
</tr>
<tr>
<td></td>
<td>4,000 MB/Sec</td>
</tr>
<tr>
<td></td>
<td>Epsilon</td>
</tr>
<tr>
<td></td>
<td>s-Par® (Bundled Specialty Engines)</td>
</tr>
</tbody>
</table>
Libra 6200
Powerful Performance for the Enterprise
Libra 6200
Powerful Performance for the Enterprise

I/O’s per second – rated capacity

<table>
<thead>
<tr>
<th>Model</th>
<th>IOPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NX4800</td>
<td>20,000</td>
</tr>
<tr>
<td>NX5822</td>
<td>39,000</td>
</tr>
<tr>
<td>NX6830</td>
<td>50,000</td>
</tr>
<tr>
<td>Libra 400</td>
<td>60,000</td>
</tr>
<tr>
<td>Libra 4000</td>
<td>80,000</td>
</tr>
<tr>
<td>Libra 185</td>
<td>90,000</td>
</tr>
<tr>
<td>Libra 580</td>
<td>100,000</td>
</tr>
<tr>
<td>Libra 585</td>
<td>120,000</td>
</tr>
<tr>
<td>Libra 4100</td>
<td>140,000</td>
</tr>
<tr>
<td>Libra 750</td>
<td>160,000</td>
</tr>
<tr>
<td>Libra 780</td>
<td>180,000</td>
</tr>
<tr>
<td>Libra 880</td>
<td>200,000</td>
</tr>
<tr>
<td>Libra 4200</td>
<td>220,000</td>
</tr>
<tr>
<td>Libra 6200</td>
<td>240,000</td>
</tr>
</tbody>
</table>

9.9x 5.3x 4.4x 3.9x 3.7x 3.2x 2.8x
Transition / Evolution to Next Generation

Scaling

Libra 680/690
Libra 780/790/750
Libra 880/890
Libra 6200

Time

2005
2012

Next Gen Platforms
- Multi-core Intel processors
- Code compatible
- Increasing performance
- Enterprise profile
  - Availability
  - Security
  - Capacity

Libra CMOS
Libra Intel
Libra 4000
Libra 4100
Libra 880/890
Libra 680/690
Libra 6200 Workloads

**Traditional non-metered**
- General Purpose
- Software Development Kit
- ABSuite/EAE

**Prepaid Metering**
- General Purpose
- Software Development Kit
- ABSuite/EAE

**Specialty Engines**
- JProcessor for MCP
- ePortal Business
- ePortal Enterprise
- Cryptography

**Base plus Usage**
- General Purpose

**Capacity on Demand**
- Disaster Recovery
**Libra 4200 / 6200 Supported Storage**

- **Storage interface via Fiber Channel 8/4/2Gb HBA**
- **Fiber Channel Disk**
  - EMC CLARiiON CX3-XXX, CX4-XXX
  - EMC CLARiiON VNX-5100/5300/5700/7500
- **External Fiber Channel Tape & Autoloaders**
  - Oracle/STK - Library Units, 9940, 9840C, 9840D, T10000A/B, SDLT600, LTO2/3/4/5
  - Oracle/STK T10000Ae/Be, 9840De, LTO4e (with KMS2)
  - DSI SDLT600, LTO2/3/4/5
Libra 4200 / 6200
Supported Storage

• **External Fiber Channel Virtual Tape**
  – DSI VTL v2.0/2.1, 9152, 9252, 9602 (w/built in disk)
  – DSI VTL v2.0/2.1, 9942, 9982, 9992 (w/external disk)
  – DSI VTL 3 (with internal disk or external supported EMC disk)

• **Fibre Channel Switches**
  – Brocade 4900, 4100/200E
  – Brocade 5000, 5100, 5300, 5800, 300
  – Brocade 6510 (including the DCX-8510 with FA4-18 Fabric Application Blade)

• **Cisco Fibre Channel Switches**
  – EMC Partner Qualified – MDS9216, 9500 with EMC Disk Arrays
business

value

Libra 6280 & 6290 Enterprise Servers
ClearPath
Innovation Supporting Contemporary Applications

Extending IT investments
• growth for large ClearPath customers
• build on existing applications

Innovation for today’s dynamic business environment
• architectural evolution accelerating modernization

Capitalizing on a mission-critical foundation

Agility to deliver innovative solutions cost-effectively
## Case Studies
### Application Modernization in Action

<table>
<thead>
<tr>
<th>CEDAE</th>
<th>V.F. Grace (Web Services)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Rio de Janeiro’s water company</td>
<td>• Alaska wholesaler uses ePortal</td>
</tr>
<tr>
<td>• Bill pay via iPhone at ATMs</td>
<td>• Product catalog on the Web</td>
</tr>
<tr>
<td>• Reduced web management costs by 70%</td>
<td>• Sales team access via iPhones</td>
</tr>
<tr>
<td>• Eliminated a duplicate database for online access</td>
<td>• Near-instantaneous customer service</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>University of Washington</th>
<th>Fireside Distributors</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Major public university</td>
<td>• Distributor of innovative heating products</td>
</tr>
<tr>
<td>• Streamlined student loan processing</td>
<td>• Streamline communications</td>
</tr>
<tr>
<td>• Satisfy U.S. government data transfer guidelines</td>
<td>• Reduced labor, paper and postage costs</td>
</tr>
<tr>
<td>• Improved security through server consolidation</td>
<td>• Faster cash collection: e-mail invoices nightly</td>
</tr>
</tbody>
</table>

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ClearPath is an OPEN Server!

ClearPath has all the popular industry standard integration technologies

- Storefront
- Internet Bank
- Customer Self-Service
- State Welfare
- Sales Force Automation
- Supply chain management
- Mobile Sales force

ClearPath
- Applications
- Databases
- Transactions

<table>
<thead>
<tr>
<th>.NET</th>
<th>XML</th>
</tr>
</thead>
<tbody>
<tr>
<td>J2EE, JCA, Resource Adapters</td>
<td>WEB Services</td>
</tr>
<tr>
<td>BEA Tuxedo, X/Open</td>
<td>WAP</td>
</tr>
<tr>
<td>JBoss, BEA WLS, WebSphere</td>
<td>SOA</td>
</tr>
<tr>
<td>MQ Series, MSMQ</td>
<td>JDBC, ODBC, OLE DB</td>
</tr>
</tbody>
</table>
Enterprise Output Manager
Application Output Modernization

• Flexible formatting and secure delivery options
  – Users get the information they need in the format they need
  – More personalized communications

• High-speed electronic delivery and storage options enable
  – Faster decision making
  – Reduced printing and distribution costs
  – Reuse of output data
  – Prompt delivery to remote and mobile users

• Change output format and delivery mechanisms without changing application business logic
  – Saves time and money
  – Helps ensure application stability
Data Privacy
Encryption Capabilities

File Transfer
- Secure FTP
- Secure File Transfer for
  ClearPath MCP
- SAN DataMover

Web Browser Sessions
- ClearPath ePortal
- Web Transaction Server

Terminal Sessions
- Secure Telnet
- Secure Web Enabler

Applications
- MCP Crypto API

Print Jobs
- Enterprise Output Manager
  MCPPRT

Tape
- Software (drive independent)
- Hardware (selected drives)

Network Messages
- Secure Sockets
- Secure Port Files
- IPv6 Packets (IPSec)

Eliminate or reduce the business risk associated with unauthorized access to sensitive data.
Comply with audit, legal, and regulatory requirements.
Integrated Software Stack

Business Benefits

• A research study performed by Wikibon concluded that mainframe integrated stacks
  – Lead to high levels of availability, security, and speed of change
  – Help improve staff productivity
  – Have overall costs 19% lower than open systems

• Unisys customers interviewed reported Unisys integrated stack support costs 50-80% lower than open systems support costs
<table>
<thead>
<tr>
<th>Area</th>
<th>Business Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated Software &amp; Hardware Stack</td>
<td>• Higher levels of availability, security and speed of change</td>
</tr>
<tr>
<td></td>
<td>• A fully integrated solution supported by Unisys from top to bottom.</td>
</tr>
<tr>
<td>Security</td>
<td>• Multilayered protection against unauthorized access to resources</td>
</tr>
<tr>
<td></td>
<td>• Reduced risk of costly security breaches</td>
</tr>
<tr>
<td>Flexible Business Models</td>
<td>• Agility to handle fluctuating demand in a cost effective way</td>
</tr>
<tr>
<td></td>
<td>• Total control over system usage and financial exposure</td>
</tr>
<tr>
<td>Application Development</td>
<td>• Quickly enrich and adapt applications to changing business needs</td>
</tr>
<tr>
<td></td>
<td>• Use industry skills and tools</td>
</tr>
<tr>
<td>100% Code and Data Portability</td>
<td>• Reduced cost/risk when migrating to new software releases and platforms</td>
</tr>
</tbody>
</table>
Libra 4200 & 6200 Series Deliver...

... on the *Commitment* to ClearPath,

... advanced *Architectural Innovation*,

... *Contemporary Communications and Storage Support*,

... *Performance* exceeding the requirements of a broader ClearPath audience and

... *Flexibility* to significantly enrich and enhance your Applications
ClearPath Connection

- **October Newsletter dedicated to new ClearPath announcements**
- Rich content of latest ClearPath news
- Available in English, French, Portuguese and Spanish
- Delivered as email, PDFs and web pages
- Subscribe today!

**Click here to Subscribe**
(click in Slide Show mode)
Great People Doing Great Things:
ClearPath MCP Case Studies eBook

Welcome to the ClearPath MCP Case Studies eBook! Inside, you’ll learn how Unisys ClearPath customers are improving their business processes to gain agility, cost efficiencies, and productivity improvements – using simple, but powerful, ClearPath tools and technologies.

In a nutshell, it’s about great people doing great things to drive value and effectiveness across critical enterprise functions. Take a look and see how innovation thrives in ClearPath environments.

Link Here
Upcoming External Webinars

• Fulfilling the promise: Unisys announces four new ClearPath Libra systems
  – Oct 11 @ 11am US eastern https://www2.gotomeeting.com/register/121016290
  – Oct 11 @ 7pm US eastern https://www2.gotomeeting.com/register/362410042

• What’s new in Enterprise Output Management
  – Oct 23 https://www2.gotomeeting.com/register/888350754

• What’s new in Operations Sentinel
  – Oct 31 https://www2.gotomeeting.com/register/325999994

EAE/AB Suite Webinar Series:

• Introducing AB SUITE 3.0!
  – Nov 1 https://www2.gotomeeting.com/register/625195930

• Power times two – EAE/AB Suite and Enterprise Output Manager
  – Nov 8 https://www2.gotomeeting.com/register/717410266

• Strengthening the Link between EAE/AB Suite and ePortal
  – Nov 15 https://www2.gotomeeting.com/register/904151122

All current Libra / MCP webcast recordings
Internet Resources

http://www.unisys.com/clearpath

- Product descriptions, case studies, white papers, and more
- Downloads: ClearPath MCP IDE for Eclipse, Locum evaluation licenses, and more (registration required)

http://www.support.Unisys.com  Technical documentation
Social Media

- ClearPath Blog
- YouTube
- Facebook
- LinkedIn
- Some Twitter
High-Level ClearPath Videos

**Cool Capabilities** in YouTube

- Project Dragon: Unisys ClearPath ePortal news
- ClearPath and Smart Devices
- ClearPath SOA
- ClearPath As an Open System
- ClearPath Java
- Unisys Operations Sentinel
- Enterprise Output Manager
- Business Information Server
- New videos will be added soon…. 
ClearPath YouTube Channel

www.youtube.com/unisysclearpath

VERY Technical how-to videos PLAYLISTs

- ClearPath ePortal for MCP
- ClearPath ePortal Manager for OS 2200 and MCP
- ClearPath MCP 13.x Workload Management
- ClearPath MCP 14.0 Workload Management
- Business Continuity Accelerator for ClearPath MCP
- ClearPath MCP IDE for Eclipse
- ClearPath ePortal for AB Suite and EAE

High level videos PLAYLISTs

- Cool Capabilities
Key White Papers

1. **Delivering Value: The Economics of ClearPath® Systems**
   Great ClearPath economics **Updated**

2. **Understanding IT System State - Experiences from the ClearPath Appraisal Process**
   Services

3. **Unisys ClearPath Systems Integrated hardware/software stacks**
   Competitive advantage

4. **ClearPath as an Open System**
   ClearPath integrates with everything

5. **Automation: Unisys ClearPath Systems Management: Maximizing IT service availability**
   See also the appendix for DR scenarios

6. **The Business Case for Integrated IT Infrastructure Stacks (by Wikibon)**
   The business case of the MCP and OS 2200 environments

7. **Symantec®: Unisys s-Par® Security Assessment**
Are You Getting Our Emails? Please register at MyUnisys

ClearPath mainframes have gone mobile.

Be agile and mobile.

ClearPath Systems support a wide spectrum of open technologies so you can be more capable, more flexible, more mobile, and more responsive. And you never have to sacrifice the reliability or security that mission-critical environments demand. Check out our latest webinar and see how many ways you can improve your business agility and mobile collaboration.

It’s like carrying a ClearPath mainframe around on your tablet.

Be agile and mobile.

The ClearPath MCP Release 14.0 Webinar

Business today is more mobile than ever, and so are ClearPath solutions from Unisys. ClearPath solutions support a wide spectrum of open technologies so you can be more capable, more flexible, and more responsive without sacrificing the reliability and security that mission-critical environments demand.

Mine the diamonds from your mountain of data.

The Unisys Business Information Server turns raw data into real business insights.

Are you taking advantage of all the capabilities the Business Information Server (BIS) has to offer? Capabilities such as integrating disparate databases, rapid application development, distributed transactions, SOA, and more? Three upcoming technical webinars will provide information on product updates and give you the opportunity to

Meet us in St. Louis at the UNITE Conference

Register now for the May UNITE Conference in St. Louis, Missouri.

Please join us in St. Louis on Sunday, May 13, to learn about the latest ClearPath strategies, news, services, and products. The line-up for this year’s conference touches on the hottest topics—mobility, smart devices, security and integration of IT silos—and includes:

- A not-to-be missed keynote presentation on the future roadmap of ClearPath—“ClearPath Forward!”
ClearPath MCP Release 14.0

- MCP 14.0 Launch Webinar
- MCP 14.0 Software Release Announcement
- MCP 14.0 Software Product Catalog
- MCP 14.0 on Unisys.com:
- All ClearPath Libra / MCP webcast recordings
Support for where the world is going, not just where it’s been
Thank You