ClearPath® MCP Titanium

Product Information Sheet

ClearPath® MCP Titanium software offering is the premium performance edition of the ClearPath MCP Software Series product portfolio. Continuing the seamless evolution of unparalleled pliability, Unisys is offering a software version of ClearPath MCP production environment for enterprise-class applications with increased capacity and flexibility to meet the evolving requirements of IT organizations and constantly changing market dynamics.

With MCP Titanium, you get a production-ready instance of the full ClearPath MCP integrated software stack — encompassing operating system, transaction manager, database, system utilities and firmware — in a package built to support premium high-level production workloads. ClearPath MCP Titanium can be licensed in either a capacity-based or consumption-based business model, providing the flexibility to meet your specific demands and requirements.

The ClearPath Software Series makes it possible to reduce hardware costs to deploy and maintain hosting environments and allows you to take advantage of tools, services and skills that are readily available in the industry today. You can deploy MCP Titanium into an industry-standard server infrastructure that includes into an industry-standard server infrastructure that includes Intel® Xeon x86 servers, Microsoft® Windows® and optionally Hyper-V or VMware ESXi hypervisor environments as well as Azure and Amazon Web Services (AWS) public cloud environments.

ClearPath MCP Titanium is designed to meet the requirements ClearPath Forward® Libra 8x00 users have placed on systems in some of the most demanding data centers today and allows for taking advantage of more performant hardware as new Intel x86 technologies become available.

Product highlights

ClearPath MCP Titanium provides a software version of the premium high-end performance range ClearPath MCP operating environment. The ClearPath MCP Titanium can be deployed on industry standard:

- Hardware based on Intel x86 servers that meet the reference architecture guidelines
- Hypervisor private cloud environments including VMware and Hyper-V

- Public cloud environments including Azure and AWS

The ClearPath MCP Titanium operating environments enable you to:

- **Gain flexibility** by using a broad array of tools, services and skills available for industry standard IT infrastructures
- **Reduce costs** by using a hypervisor implementation that does not require dedicated server hardware to host applications
- **Lower business risks** by achieving planned objectives for functionality, budget and time-to-market utilizing corporate set standards

General features

The Unisys ClearPath MCP Titanium offerings are designed to meet differing organizational needs.

Consumption-based licensing

Consumption-based licenses are pre-paid metered licensing on Libra Systems and offers the ability to license a quantity of MCP central processing module (CPM) processing capacity that can be consumed as needed over a specific length of time in an industry-standard server infrastructure that includes Intel Xeon x86 servers, Microsoft Windows Server 2019 and optionally, Hyper-V or VMware ESXi hypervisor environments as well as Microsoft Azure and AWS public clouds. When consumption-based licensing is used, four MCP CPMs are available for use. ClearPath MCP Titanium consumption-based licensing is intended to be a migration path for clients using metered MIPS on Libra 8x90 servers.

Capacity-based standard licensing

ClearPath MCP Titanium has a maximum of four MCP virtual central processing modules (vCPMs) available for activation with the Titanium capacity set. Models with a fraction of one CPM can be licensed as well as up to 16 CPMs. Several workload types are available that include General Purpose, Agile Business Suite and choices for Business Continuity and Disaster Recovery and can be deployed in an industry-standard server infrastructure that includes Intel Xeon x86 servers, Microsoft Windows Server 2019 and optionally Hyper-V or VMware ESXi hypervisor environments as well as on Azure and AWS

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public clouds. ClearPath MCP Titanium capacity-based licensing is intended to be a migration path for clients using non-metered Libra 8x80 servers.

Supported environments

ClearPath MCP Titanium is supported in the following environment:

- Intel® Xeon x86 servers
- Microsoft Windows Server

Options:

- Hyper-V private cloud
- VMware ESXi private cloud
- Microsoft Azure public cloud
- AWS public cloud

Please refer to the Unisys support site for specific revision levels for each environment.

ClearPath MCP Titanium

List of included software

ClearPath MCP Titanium offers what is commonly referred to as the "Unisys Operating Environment (UOE)" package, and includes the following software features:

Software Product	General Purpose and AB Suite
Operating Environments	
Administration Center	✓
CD-ROM Formatter	✓
CANDE	✓
Client Access Services	✓
Installation Center	✓
MARC	✓
Master Control Program	✓
Operations Center	✓

Software Product	General Purpose and AB Suite
Print Center	✓
Print System	✓
Software Inventory Assessment Utility	✓
Software License Management for ClearPath MCP	✓
System Software Utilities	✓
Win RPC	✓
Workflow Language	✓
Security	
ClearPath Secure Transport	✓ (e)
Disk Encryption	✓
Kerberos Authentication	✓
Kerberos Data Encryption	✓ (e)
Lightweight Directory Access Protocol	✓
Locum AdminDesk Basic Version	✓
Locum SafeSurvey Summary Version	✓
Locum Secure Audit Summary Version	✓
Locum RealTime Monitor Summary Version	✓
MCPCryptoAPI for User Applications	✓ (e)
Secure Access Control Module	✓
Secure File Transfer for ClearPath MCP	✓

Software Product	General Purpose and AB Suite
Secure Shell (SSH) for ClearPath MCP	✓ (e)
Security Center	✓
Security Support Library	✓
Tape Encryption	✓
Application Development	
ALGOL Compiler	✓
ALGOL Test and Debug System	✓
Application Integration Services Basic Edition – ClearPath MCP Environment	✓
Application Integration Services Basic Edition – Microsoft Windows Environment – development/test licenses for 4 server cores or 4 client devices	✓
Application Integration Services Enterprise Edition	✓
C Compiler	✓
C Test and Debug System	✓
ClearPath ePortal Manager	✓
ClearPath ePortal Web/Mobile/Web Services Software	✓
ClearPath Visual IDE	✓
COBOL74 Compiler	✓
COBOL74 Test and Debug System	✓
COBOL85 Compiler	✓
COBOL85 Test and Debug System	✓
Cross-Reference Symbolic	✓

Software Product	General Purpose and AB Suite
Data Comm ALGOL Compiler	✓
Editor	✓
FORTRAN77 Compiler	✓
FORTRAN77 Test and Debug System	✓
NEWP Compiler	✓
Pascal Compiler	✓
Program Binder	✓
RPG Compiler	✓
Screen Design Facility Plus	✓
SORT Compiler	✓
Unisys XML Parser for ClearPath MCP	✓
Tools and Utilities	
Activity Reporting System	✓
Billing Support Library	✓
Data Compression	✓
Enterprise Output Manager Host Software and Departmental Server (1 copy)	✓
Enterprise Output Manager DDA Designer (1 user)	Separately priced
Enterprise Output Manager Web Assistant (1 copy)	Separately priced
Host Component for EMC Time Finder	✓
MCP TapeStack	✓

Software Product	General Purpose and AB Suite
MultiLingual System	✓
Remote Print System	✓
SAN Data Mover	✓
SAN Mirror Disk Certify	✓
SAN Mirror Disk Manager	✓
SAN Spare Disk Manager	✓
SAN StoreSafe Manager	✓
System Assistant	✓
System Logger	✓
TCP/IP Print Enabler	✓
WRAP File Enabler	✓
Database, Query, and Reporting	
Advanced Data Dictionary System	✓
Application Data Access	✓
Database Certification	✓
Database Encryption	Separately priced
Database Interpreter	✓
Database Operations Center	✓
Data Exchange	Separately priced
Enterprise Database OLE DB Data Provider for ClearPath MCP	✓

Software Product	General Purpose and AB Suite
Enterprise Database Server for ClearPath MCP	✓
Enterprise Database Server Inquiry	✓
Enterprise Database Server Transaction Processing System	✓
Extended Retrieval with Graphic Output	✓
JDBC for ClearPath MCP	✓
ODBC Access for ClearPath MCP	✓
Open Data Access Licenses for unlimited connections	✓
Quiesce Database Copy (QDC) as a Backup Source	✓
Quiesce Database Copy (QDC) as a Recovery Source	✓
Quiesce Database Copy (QDC) for Single Host Systems	✓
Relational Database Server for ClearPath MCP	✓
Remote Database Backup	✓
REPORTER III	✓
SQL Query Processor for ClearPath MCP	✓
XML Provider for ClearPath MCP	✓
Communications and Networking	
BNA over IP for Application Hosts	✓
ClearPath MCP Communications Services for Microsoft Windows	✓
Connectivity Services	✓
Core Network Services	✓

Software Product	General Purpose and AB Suite
Heritage Host Services	✓
Heritage Network Services	✓
Interactive Datacomm Configurator	✓
Native File Transfer	✓
Network Administrative Utility	✓
Network Operations Interface	✓
Shared Adapter Network Services for Ethernet	✓
Virtual LAN Services	✓
Internet and Transaction Processing	
ClearPath MCP Interface to Microsoft Message Queuing	✓
ClearPath MCP Interface to Microsoft Transaction Integrator	✓
Distributed Transaction Integration Developer License	✓
Distributed Transaction Integration Runtime License	✓
HTTP Client for ClearPath MCP	✓
MCP Transaction Resource Adapter for the Java™ Platform	✓
Open Distributed Transaction Processing Resource Adapter for the Java™ Platform	✓
Open DTP OSI Transaction Processing	✓
OSI over TCP/IP Services	✓
TCP/IP Application Services for ClearPath MCP	✓
TCP/IP Interprocess Communications Services	✓

Software Product	General Purpose and AB Suite
Transaction Center	✓
Transaction Server	✓
Web Enabler for ClearPath MCP (number of licenses varies by server model)	✓
Web Enabling Components for ClearPath MCP	✓
WebSphere MQ for ClearPath MCP	✓
Web Transaction Server for ClearPath MCP	✓
Systems Management	
Operations Sentinel Basic Edition	✓(s)
Operations Sentinel Department Edition	Separately priced
Operations Sentinel Interface	✓
SNMP Agent for TCP/IP Networks	✓
SNMP Object Managers for ClearPath MCP	✓
Unisys Business Continuity Accelerator	Separately priced
Workload Management for ClearPath MCP	✓
Advanced Development Environments	
Agile Business Suite MCP runtime	Separately priced
Enterprise Application Environment MCP runtime	Separately priced

Code Letter	Description
✓	In the Operating Environment Package

✓ (e)	In the ***separately orderable*** IOE Encryption Option, subject to U.S. government export controls
✓ (s)	In the ***separately orderable*** Operations Sentinel (SPO) Add-On Package

Configuration requirements

Server configuration guidelines:

- x86 Server
- Microsoft Windows 2019 Server or higher

Optional:

- VMware ESXi
- Hyper-V
- Azure
- AWS

Additional details regarding hardware and software requirements can be found in the *ClearPath MCP Software Series Compatibility Guide* and *ClearPath MCP Software Series Best Practices Guide* on support.unisys.com.

The following table lists the attributes for ClearPath MCP Software Series Titanium.

Qualified Host Environment	MCP CPMs	MCP Memory	MCP Disk Types	MCP Tape Support?
Bare Metal	1 to 16	64MW to 16GW	Emulated or Physical	Yes
VMware	1 to 16	64MW to 16GW	Emulated	No
Hyper-V	1 to 16	64MW to 16GW	Emulated	No
Azure	1 to 16	64MW to 16GW	Emulated	No
AWS	1 to 16	64MW to 16GW	Emulated	No

**For more information on any of the products discussed in this document,
visit www.unisys.com/clearpath**

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