UNISYS

ClearPath® OS 2200 Developer Studio

Product Information Sheet

General features

Supports innovative approaches to accelerating the development of ClearPath OS 2200 applications

The Unisys ClearPath OS 2200 Developer Studio delivers a complete development and test workspace that you can use to create, modernize and maintain applications for the ClearPath OS 2200 processing environments. Within the OS 2200 Developer Studio, you can develop applications for the OS 2200 Gold, OS 2200 Platinum, OS 2200 Titanium and ClearPath Forward® Dorado Systems production environments.

The OS 2200 Developer Studio is designed to support both development teams and individual developers. OS 2200 Developer Studio can be deployed as part of a VMware private cloud or on an Amazon Web Services (AWS) or Microsoft Azure public cloud.

With OS 2200 Developer Studio, you can choose from fixed capacity licenses that support a more predictable development workload or select the pay-for-use consumption licensing model to manage more dynamic and changing development needs.

The OS 2200 Developer Studio combines the traditional Software Developer's Kit with a selection of OS 2200 runtime software to enable testing new features for production deployment. With the OS 2200 Developer Studio solution, you can handle new OS 2200 application demands as a standard part of your data center infrastructure.

Product highlights

ClearPath OS 2200 Developer Studio can help you:

- **Gain flexibility** by using a broad array of tools, services and skills available for an industry-standard IT infrastructure

- **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 using corporate-set standards

Business models

The ClearPath OS 2200 Software Series operating environments are designed to meet differing organizational needs. The following business models are available:

- **Fixed capacity** licenses provide a specific IP configuration that limits the overall OS 2200 processing capability up to the limit of the number of licensed IPs. This licensing model would most apply to ClearPath Forward® Dorado Systems non-metered environments moving to OS 2200 Software Series implementation.

- **Consumption** licenses provide a **pay-for-use** licensing model similar to the ClearPath Forward Dorado metering capability. With consumption licensing, a client is only charged for the OS 2200 capacity as it is used. The metric used to report the capacity usage is the cloud value unit or CVU.

- The consumption model allows multiple OS 2200 Software Series installations to share a prepaid CVU pool for added flexibility with dynamic OS 2200 workloads and high availability (HA) and disaster recovery installations.

Software series architecture

ClearPath OS 2200 Developer Studio supports deploying OS 2200 processing in a VMware hypervisor-based environment. Multiple instances of OS 2200 Software Series operating environments can be combined to support a multi-workload processing capacity needed for the overall ClearPath OS 2200 environments.

ClearPath OS 2200 Developer Studio combines OS 2200 instruction processing, hardware environment emulation, and I/O processing into a single operating environment. This makes it possible to deploy a complete OS 2200 processing capability in a VMware configuration with a single virtual machine (VM).

As with ClearPath Forward Dorado systems, the administration and operation of the ClearPath OS 2200 Software Series environment is provided by the OS 2200 Operations Server. A software version of the Operations Server is included in the overall OS 2200 Software Series 4.0 release and includes the Server Management Control and the SAIL Control Center software.
Operations Sentinel is also used with the ClearPath OS 2200 Software Series environment, providing single-point operations and consoles for OS 2200.

A separate virtual machine (VM) instance will be

required for the OS 2200 Operations Server. A single software-based Operations Server implementation can control up to 10 OS 2200 Developer Studio processing instance deployments.
However, it is recommended that two or more Operations Server deployments be configured for redundancy in multiple OS 2200 Software Series installations.

ClearPath OS 2200 Developer Studio uses the same ClearPath OS 2200 release software as the ClearPath Forward Dorado systems. OS 2200 release 20.0 or higher is required for the OS 2200 Developer Studio implementations.

ClearPath OS 2200 integrated stack

The OS 2200 Software Series delivers the same complete operating systems as its Dorado counterpart — consisting of software, middleware and applications optimized for reliability, resiliency, security, scalability, availability and performance.

ClearPath OS 2200 Release 20.0 is the minimum release level required to support OS 2200 Software Series. Each OS 2200 release is comprised of more than 100 integrated system software products, delivering the operating system, databases, transaction management, development and many other software elements to support enterprise-class solutions.

ClearPath OS 2200 QProcessor 6.0

An available option for the new OS 2200 Software Series capacity sets is the ClearPath OS 2200 QProcessor 6.0 release. This solution supports a full software-based implementation of the standard OS 2200 QProcessor that allows the OS 2200 Developer Studio instances to interoperate with various systems that support IBM MQSeries® interconnectivity. As with previous QProcessor designs, multiple software-based QProcessor 6.0 instances can be deployed in HA failover configurations.

Software requirements

ClearPath OS 2200 Developer Studio supports the following software levels:

- Vmware ESXi™ 7.0 or higher

- Microsoft® Windows® Server 2022 or 2025 (Operations Server)

- ClearPath OS 2200 Release 20.0 and 21.0

- ClearPath Forward QProcessor 6.0

- WebSphere MQ for ClearPath OS 2200 Version 9.0

- CIFS 9R3 and 9R4

Product information

These documents contain information related to the ClearPath Software Series. Additional documents for thesoftware products included in the ClearPath OS 2200 Developer Studio software packages are available.

- ClearPath OS 2200 Software Series Compatibility Guide

- ClearPath OS 2200 Software Series Getting Started Guide

- ClearPath OS 2200 Operations Guide

- ClearPath OS 2200 Software Series Best Practices Guide

- ClearPath OS 2200 Software Series QProcessor 6.0 Planning, Installation and Configuration Guide

ClearPath OS 2200 Developer Studio Capacity Sets

OS 2200 Developer Studio	
Capacity-based	
Number of IPs	¼, ½, ¾, 1, 2, 3, 4, 5
Consumption-based	
IP ceiling	5

For more information on ClearPath OS 2200 Software Series, visit www.unisys.com/clearpath.

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