HCLSoftware

Cloud Native Unica Support Matrix Guide

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Chapter 1. Recommended Software environments and minimum system requirements

Before installation or upgrade, please ensure that the systems meet the recommended requirements.

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Minimum hardware requirements

The minimum hardware requirements for Cloud Native Unica are as follows:

Memory	64 GB RAM
Storage	150 GB Hard disk drive
CPU	8 CPU machines

Software requirements

The recommended software requirements for Cloud Native Unica are as follows:

Table 1. Recommended Software Requirements

Software type	Recommended requirement
Operating System	Cloud Native Unica supports: • CentOS version 8 • RHEL version 8 • SUSE Linux Enterprise Server 12 Service Pack 5 (hosted operating system)
Base Operating System	The Base Operating System used for all images is Red Hat Universal Base Image 9.
Database	Cloud Native Unica supports: • DB2 • MariaDB • Microsoft SQL Server • OneDB • Oracle

Table 1. Recommended Software Requirements (continued)

Software type	Recommended requirement
Application Server	Cloud Native Unica supports: • Red Hat® JBoss® Enterprise Application Platform (EAP) 7.1.0 • Apache Tomcat® 9.0.45 • Oracle® WebLogic Server 12.2.1.3.0
Other Software	• Apache ActiveMQ 5.15.8 • Docker Enterprise version 20.10.17 • Kubernetes versions 1.21, 1.22 • Helm version 3 • EKS, AKS, GKE, and OpenShift • **Ingress**: New ingress controller repo: `https://kubernetes.github.io/ingress-nginx` NGINX Ingress Controller 2.0 • Kafka Standalone is not packaged with Cloud Native Unica for Unica Journey. You must either have Kafka Standalone installed on your system or you must purchase Kafka Standalone and install it.

Supported cloud platforms

Cloud Native Unica supports the following Cloud platforms:

- Amazon Elastic Kubernetes Service (Amazon EKS)
- Google Cloud Platform (GCP)
- Microsoft® Azure
- RedHat OpenShift®

Minimum required resources for containers

The following table lists the minimum resources required by each container:

Table 2. Resources required by each container

Resource Name	Resource Value
CPU	2000m (2000 millicpu per container).
Memory	2048 MB.
Storage	NFS is supported with Unica as persistent volume Openshift - NFS

Table 2. Resources required by each container (continued)

Resource Name	Resource Value
	Azure - Azure Files Google - File storage If the containers fail and restart, the installation and the database data persist. However, setups and `JDBC` drivers are not packaged with the solution and they need to be placed at the mount point.

> **Note:**
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> - The configuration will impact the minimum hardware requirements. It is recommended that you use a configuration that is slightly higher than the minimum requirements. If a container does not get the required resources, it might hang.
> - **Docker Image Security Vulnerabilities**: For Operating System package vulnerabilities, like NSS, SQLite, etc., run the yum updates within the containers.

Downloading Cloud Native Unica image

Download the required image from Flex Net Operations (FNO). By default, the chart uses Cloud Native Unica image.

- To roll out the Helm charts, you must specify the offering-related details and requirements. Contact Unica support team to get a Helm chart.
- Although Cloud Native Unica images are CentOS-based or RHEL-based, it may work on any Unix-based operating systems. HCL Software will provide support only for CentOS and RHEL operating system. HCL will not provide support for any other operating systems.
- Although Oracle drivers are bundled with Cloud Native Unica images, HCL Software will not provide support for any issues related to third-party software or third-party drivers bundled with Cloud Native Unica images.