

# **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.

- To check the recommended hardware requirements, see [Minimum hardware requirements \(on page 1\)](#).
- To check the recommended software requirements, see [Software requirements \(on page 1\)](#).
- For the list of supported cloud platforms, see [Supported cloud platforms \(on page 2\)](#).
- To check the minimum required resources for containers, see [Minimum required resources for containers \(on page 3\)](#).
- To download the Cloud Native Unica image, see [Download Cloud Native Unica image \(on page 4\)](#).

## Minimum hardware requirements

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

<b>Memory</b>	64 GB RAM
<b>Storage</b>	150 GB Hard disk drive
<b>CPU</b>	8 CPU machines

## Software requirements

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

**Table 1. Recommended Software Requirements**

<b>Software type</b>	<b>Recommended requirement</b>
Operating System	Cloud Native Unica supports: <ul style="list-style-type: none"> <li>• CentOS version 7</li> <li>• RHEL version 7.3</li> </ul>
Base Operating System	The Base Operating System used for all images is Red Hat Universal Base Image 8.
Database	Cloud Native Unica supports: <ul style="list-style-type: none"> <li>• DB2</li> <li>• MariaDB</li> <li>• Microsoft SQL Server</li> <li>• OneDB</li> <li>• Oracle</li> </ul>
Application Server	Cloud Native Unica supports: <ul style="list-style-type: none"> <li>• Red Hat® JBoss® Enterprise Application Platform (EAP) 7.1.0</li> <li>• Apache Tomcat® 9.0.45</li> <li>• Oracle® WebLogic Server 12.2.1.3.0</li> </ul>
Other Software	<ul style="list-style-type: none"> <li>• Apache ActiveMQ 5.15.8</li> <li>• Docker Enterprise version 19.xx.x</li> <li>• Latest Kubernetes version</li> <li>• Helm version 2</li> </ul>

## 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	Requires a persistent volume.  If the containers fail and restart, the installation and the database data persist. However, setups and <code>JDBC</code> drivers are not packaged with the solution and they need to be placed at the mount point.



**Note:**

- 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.

## Download 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.