Oracle® Communications Converged Application Server

License Document

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Introduction

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Oracle Communications Converged Application Server, Carrier Edition	Oracle Communications Converged Application Server is the industry's most comprehensive web-telecom application server, delivering an open, standards-based service creation and execution platform for IP-based communications applications. As the telecom application server component of the Oracle Communications Network Applications product family, it enables service providers and enterprises to rapidly develop, and cost-effectively deploy, innovative, revenue-enhancing IP based communication and collaboration services. **Includes the following products:** • SIP Servlet Container (JSR 359) and Diameter protocol enhancements package for Oracle WebLogic Server. • Oracle WebLogic Server Enterprise Edition with the following restrictions: Oracle WebLogic Server Enterprise Edition may be used only for the purposes of running the Oracle Communications Converged Application Server and must run on the same processor as the Oracle Communications Converged Application Server. The Oracle WebLogic Server can be used to host any Java EE or Java application logic that is accessed by clients strictly using the SIP and/or Diameter protocols. If customers want to deploy the Oracle WebLogic Server on a different processor from the Oracle Communications Converged Application Server or if they want to access any of the Java EE or Java application logic deployed in the Oracle WebLogic Server without SIP and/or Diameter protocols, then the customer needs to purchase a full use license of Oracle WebLogic Server Enterprise Edition.

	• Restricted Use: Oracle Coherence Enterprise Edition for the purpose of supporting applications developed to run on the Oracle Communications Converged Application Server (OCCAS). Applications deployed on the OCCAS platform can use/consume the Coherence APIs directly under the condition, that only the same Coherence cluster as used by OCCAS internally is accessed and used. Any other use is not included and requires a full use license License Metric: Messages per Second (MPS), see definition below.
	Each licensable module of Oracle Communications Converged Application Server includes the ability and rights to use the SIP Servlet Container and all publicly supported APIs as per the included Javadocs and according to the product documentation, including the Diameter Base Protocol implementation and dependent APIs, such as On-line and Off-line Charging, the Diameter Base Protocol API, and the Profile API. Oracle Communications Converged Application Server binaries include all of the minimally necessary Oracle WebLogic Suite components and will install the Oracle WebLogic Server, which is essential for its operation. It is **NOT** possible to install Oracle Communications Converged Application Server over a pre-existing installation of the Oracle WebLogic Server. Oracle Communications Converged Application Server may only be installed using the provided Oracle Communications Converged Application Server binaries, which install the minimal set of necessary Oracle WebLogic Server Enterprise Edition components.
*Oracle Communications Converged Application Server, Carrier Edition, Cloud Native Extension Pack	This extension pack entitles customers to use cloud native functionality in addition to the base functionality provided by the carrier edition OCCAS product. The cloud native extension pack enables OCCAS to be a containerized platform which is orchestrated with Kubernetes and can be deployed on private/public clouds. This extension pack entitles customer to run OCCAS with the WebLogic Kubernetes Operator (WKO) - a custom controller managing the life cycle of an OCCAS domain. This product is licensed separately and requires Oracle Communications Converged Application Server, Carrier Edition as a prerequisite License Metric: Messages per Second (MPS), see definition below.
Oracle Communications Converged Application Server Enterprise Edition, Cloud Native Extension	This extension pack entitles customers to use cloud native functionality in addition to the base functionality provided by the enterprise edition OCCAS product. The cloud native extension pack enables OCCAS to be a containerized platform which is orchestrated with Kubernetes and can be deployed on private/public clouds. This extension pack entitles customer to run OCCAS with the WebLogic Kubernetes Operator (WKO) - a custom controller managing the life cycle of an OCCAS domain. This product is licensed separately and requires Oracle Communications Converged Application Server, Enterprise Edition as a prerequisite License Metric: Messages per Second (MPS), see definition below.

MPS License Metric Definition

Description: Determines the maximum number of network- wide Messages per Second (MPS) allowed by Oracle Communications Converged Application Server.

An MPS is defined as:

For the purposes of Oracle Communication Converged Application Server, Enterprise Edition and Oracle Communication Converged Application Server, Carrier Edition, Network-Wide Message per Second is defined as the total number of protocol messages (both incoming and outgoing), SIP or Diameter, received from or sent within a single legal entity over the busiest 30 seconds divided by 30. Messages received or sent for the purpose of establishing and maintaining connections with external network elements are not counted.

Message Per Second Capacity:

The MPS based capacity licenses can be used for both SIP based and/or Diameter based OCCAS applications.

Generic Message Metrics

- Both incoming and outgoing messages are counted.
- Retransmitted messages are counted.
- Messages rejected/dropped by the overload protection feature due to overload conditions are NOT counted.
- Whether the deployed SIP Servlet applications are acting as a B2BUA, Proxy, Redirect Server, Diameter Client, or Diameter Server etc is transparent from a MPS licensing perspective as only the number of processed messages matters.

SIP Traffic License Measurements

- A message is defined as a **SIP Request** or a **SIP Response**
- License counts apply to both outgoing and incoming SIP messages (request and responses)
- Count only messages received from or sent to external SIP entities, running outside of the OCCAS instance (JVM/process).
- For applications proxying or forwarding (B2BUA) messages, the same message could be counted several times.
- Do not count messages being exchanged between SIP Servlet applications deployed in the same OCCAS instance (JVM/process) regardless of:
    - Messages being sent via the local network interface
    - Messages being passed as Java objects (optimization called local-dispatch)

Diameter Traffic License Measurements

- A message is defined as a **Diameter Request** or a **Diameter Answer**
- License counts apply to both outgoing and incoming Diameter messages (requests and answers)
- Count only messages received from or sent to external Diameter entities, running outside of the OCCAS instance (JVM/process).
- The following Diameter peer-to-peer messages are not counted as these are not triggered by applications but rather the OCCAS platform itself:
    - CER/CEA
    - DWR/DWA
    - DPR/DPA
- Only count messages being processed in managed servers (engines) acting as Diameter client or server nodes, and not messages processed in OCCAS Diameter Relay Agent nodes

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Version 2.0, January 2004

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