

Program Documentation – License Document

December 2017

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Licensing Information

- Description of Product Editions and Permitted Features
- Prerequisite Products
- Entitled Products and Restricted Use Licenses

	Dorder Controller - Licensing	
Product	Sub product	Licensing Description
Oracle Enterprise Oracle Enterprise Session Session Border Border Controller (base fee)	Product Editions and Permitted Features	
Controller	Integrated Software Option – Per Server Metric	This license (available on a per server basis) provides access to Acme Packet OS and basic node management functions such as CLI, FTP and SNMP. The following features are available with the base license.
		ACP - Allows Oracle Enterprise SBC system to respond to external ACP requests (required for EMS). SIP - Enables all SIP functionality on the Oracle Enterprise SBC. H.323 - Enables H.323 functionality (response to/forward H.323 signaling messages and set up H.323 sessions based on system configuration). Allows configuration of H.323-related configuration objects. HA - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object. IDS - Allows configuration of traps sent when endpoints are demoted to "denied" status. Allows configuration of syslog messages to be recorded when endpoints are demoted to "denied" status. Enables dynamic demotion of endpoints based upon CAC (call admission control) failures. IDS Advanced - This feature adds the ability to track total number of rejected SIP calls system-wide. National Emergency Services (NSEP/RPH) - Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures. SIPREC - Enables Oracle Enterprise SBC to replicate sessions to a session recorder according to the SIPREC standard. Software SRTP: Enables SRTP (SDES) (Media Encryption). Prerequisites: Requires Acme Packet 3900 hardware Software TLS: Enables SIP Signaling Encryption. Prerequisites: Requires Acme Packet 3900 hardware Prerequisite Products Requires Acme Packet 3900/4500/4600/6300 hardware
	Oracle Enterprise Session	N/A Product Editions and Permitted Features
	Border Controller, SMB Edition (base fee) - Integrated Software Option - per Server Metric	This license (available on a per server basis) provides access to Acme Packet OS and basic node management functions such as CLI, FTP and SNMP. The following features are available with the base license. ACP - Allows Oracle Enterprise SBC system to respond to external ACP requests (required for EMS). SIP - Enables all SIP functionality on the Oracle Enterprise SBC, i H.323 - Enables H.323 functionality (response to/forward H.323 signaling messages and set up H.323 sessions based on system configuration). Allows configuration of H.323-related configuration objects. HA - Enables sending and receiving HA heartbeat and checkpointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of traps sent when endpoints are demoted to "denied" status. Allows configuration of syslog messages to be recorded when endpoints are demoted to "denied" status. Enables dynamic demotion of endpoints based upon CAC (call admission control) failures. IDS Advanced – This feature adds the ability to track total number of

rejected SIP calls system-wide. National Emergency Services (NSEP/RPH) - Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures. SIPREC - Enables Oracle Enterprise SBC to replicate sessions to a session recorder according to the SIPREC standard. Software SRTP: Enables SRTP (SDES) (Media Encryption). Software TLS: Enables SIP Signaling Encryption. Pre-requisite Products Requires Acme Packet 1100 hardware **Entitled Products and Restricted Use Licenses** Session Capacity Based Licenses Oracle Enterprise Session **Product Editions and Permitted Features** Border Controller -Determines the maximum number of sessions allowed by Oracle Integrated Software Option Enterprise SBC (session capacity) for all protocols combined (SIP, - Per 5 Concurrent H.323). Sessions Metric **Pre-requisite Products** Requires Oracle Enterprise Session Border Controller (base fee) - Integrated Software Option - Per Server Metric License for Acme Packet 3900/4500/4600/6300 hardware Requires Oracle Enterprise Session Border Controller, SMB Edition (base fee) - Integrated Software Option - per Server Metric License for Acme Packet 1100 hardware **Entitled Products and Restricted Use Licenses** Oracle Enterprise Session **Product Editions and Permitted Features** Border Controller, Advanced Includes the following features: Features - Integrated Software Option - Per 5 Accounting: Allows Oracle Enterprise SBC to create call accounting records using either Radius, or by collecting the Concurrent Sessions Metric information in flat files that can stored locally or pushed via FTP to an external server. **Routing**: Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This feature group includes access to configuration elements such as cost, start and end times, days of week, media profiles, carrier element and **ENUM Database support** LRT (Local route table) support Load Balancing: Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements. Quality of Service: Enables collection and reporting of QoS data (lost packets, jitter, and latency) for session media. Prerequisites: Requires QoS capable module on Acme Packet 1100/3900/4500/4600/6300 platforms. IWF Protocol: Enables Signaling Interworking (such as response to/forward SIP-H.323 signaling messages and set up SIP-H.323 sessions based on system configuration). Allows configuration of IWF-related configuration objects. IPv4-IPv6 Interworking: Enables IPv4-IPv6 interworking for

signaling and media; pure IPv6 functionality works without the license being present.

Exceptions: Not available on Acme Packet 1100/3900

MGCP: Enables all MGCP functionality on the Oracle Enterprise SBC.

Prerequisites: Requires QoS capable module on Acme Packet 4500 platforms.

H248: Enables all H248 functionality on the Oracle Enterprise SBC *Prerequisites*: Requires QoS capable module on Acme Packet 4500 platforms.

IPSEC: Enables secure IP communications by authencation and encrypting the IP communication session on Enterprise SBC *Prerequisites*: Requires QoS capable module on Acme Packet 4600/6300 platforms.

Fraud Protection: Enables the ability to whitelist, blacklist, rate limit, re-direct and terminate calls on the network.

Pre-requisite Products

 Requires Oracle Enterprise Session Border Controller – Integrated Software Option – Per 5 or 25 Concurrent Sessions Metric

This license requires an equal number of ISO session capacity licenses, and is only orderable in quantities that match ISO session capacity.

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Oracle Enterprise Session Border Controller – 50 Network Wide Concurrent Sessions Perpetual

Product Editions and Permitted Features

Determines the maximum number of sessions allowed by Oracle Enterprise SBC (session capacity) for all protocols combined (SIP, H.323).

This license also provides access to Acme Packet OS and basic node management functions such as CLI, FTP and SNMP. The following features are available with this license.

ACP - Allows Oracle Enterprise SBC system to respond to external ACP requests (required for EMS).

SIP – Enables all SIP functionality on the Oracle Enterprise SBC, **H.323** - Enables H.323 functionality (response to/forward H.323 signaling messages and set up H.323 sessions based on system configuration). Allows configuration of H.323-related configuration objects.

HÅ - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object.
 IDS – Allows configuration of traps sent when endpoints are demoted to "denied" status. Allows configuration of syslog messages to be recorded when endpoints are demoted to "denied" status.
 Enables dynamic demotion of endpoints based upon CAC (call admission control) failures.

IDS Advanced – This feature adds the ability to track total number of rejected SIP calls system-wide.

National Emergency Services (NSEP/RPH) - Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures.

SIPREC – Enables Oracle Enterprise SBC to replicate sessions to a session recorder according to the SIPREC standard.

Advanced DoS/DDoS: Enables protection for denial of service attacks and distributed denial of service attacks.

Software SRTP: Enables SRTP (SDES) (Media Encryption). **Software TLS**: Enables SIP Signaling Encryption.

Pre-requisite Products Entitled Products and Restricted Use Licenses Product Editions and Permitted Features Oracle Enterprise Session Border Controller Advanced Includes the following features: - 50 Network Wide Concurrent Sessions Accounting: Allows Oracle Enterprise SBC to create call Perpetual accounting records using either Radius, or by collecting the information in flat files that can stored locally or pushed via FTP to an external server. **Routing**: Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This feature group includes access to configuration elements such as cost, start and end times, days of week, media profiles, carrier element and **ENUM Database support** LRT (Local route table) support Load Balancing: Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements. Quality of Service: Enables collection and reporting of QoS data (lost packets, jitter, and latency) for session media. IWF Protocol: Enables Signaling Interworking (such as response to/forward SIP-H.323 signaling messages and set up SIP-H.323 sessions based on system configuration). Allows configuration of IWF-related configuration objects. Fraud Protection: Enables the ability to whitelist, blacklist, rate limit. re-direct and terminate calls on the network. IPv4-IPv6 Interworking: Enables IPv4-IPv6 interworking for signaling and media; pure IPv6 functionality works without the license being present. **Pre-requisite Products** Requires Oracle Enterprise Session Border Controller - 50 Network Wide Concurrent Sessions Perpetual License This license requires an equal number of session capacity licenses. **Entitled Products and Restricted Use Licenses** Oracle Enterprise Border **Product Editions and Permitted Features** Controller, Government Includes the following features: Security Certification -Admin Security: Enables increased administrative security Integrated Software Option Per 25 Concurrent capabilities of the system for password strength, password usage policies, user roles, and management of administrative users. Sessions Metric **EOL Aug 31, 2017 Pre-requisite Products** Requires Oracle Enterprise Session Border Controller -Integrated Software Option - Per 5 or 25 Concurrent Sessions Metric License

This license requires an equal number of ISO session capacity licenses, and is only orderable in quantities that match ISO session

Entitled Products and Restricted Use Licenses

capacity.

	N/A
Oracle Enterprise Border Controller, Data Integrity - Integrated Software Option	Product Editions and Permitted Features Includes the following features:
Per 5 Concurrent Sessions Metric	FIPS: Strengthens the privacy provided by the E-SBC's cryptographic module to the levels required by the FIPS 140-2 Standards. Also provides FIPS opacity shield and tamper evidence for AP1100, AP3900, AP4600 and AP6300 hardware
	Pre-requisite Products Requires Oracle Enterprise Session Border Controller – Integrated Software Option – Per 5 or 25 Concurrent Sessions Metric License Requires Acme Packet 1100/3900/4600/6300 hardware
	This license requires an equal number of ISO session capacity licenses, and is only orderable in quantities that match ISO session capacity.
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Oracle Enterprise Border Controller, Administrative Security - Integrated	Product Editions and Permitted Features Includes the following features:
Software Option – Per 5 Concurrent Sessions Metric	Admin Security: Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.
	Pre-requisite Products Requires Oracle Enterprise Session Border Controller – Integrated Software Option – Per 5 or 25 Concurrent Sessions Metric License
	This license requires an equal number of ISO session capacity licenses, and is only orderable in quantities that match ISO session capacity.
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Oracle Enterprise Border Controller, Advanced Security Suite - Integrated	Product Editions and Permitted Features Includes the following features:
Security Suite - Integrated Software Option – Per 5 Concurrent Sessions Metric	JITC: This combines the features in the Data Integrity and Administrative Security. An Acme Packet E-SBC configured with this license complies with FIPS 140-2 and US government Defense Information Systems Agency JITC specification UCR2013.
	Pre-requisite Products Requires Oracle Enterprise Session Border Controller – Integrated Software Option – Per 5 or 25 Concurrent Sessions Metric License Requires Acme Packet 1100/3900/4600/6300 hardware
	This license requires an equal number of ISO session capacity licenses, and is only orderable in quantities that match ISO session capacity.
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- * http://code.google.com/p/curve25519-donna/
- * Adam Langley <agl@imperialviolet.org>
- * Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>

	* More information about curve25519 can be found here * http://cr.yp.to/ecdh.html * djb's sample implementation of curve25519 is written in a special assembly * language called qhasm and uses the floating point registers. * This is, almost, a clean room reimplementation from the curve25519 paper. It * uses many of the tricks described therein. Only the crecip function is taken * from the sample implementation. */
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ModExp / RSA (with/without KM) plugin API

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http://www.gnu.org/licenses/lgpl-2.1.html

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