

Oracle® Enterprise
Session Border Controller – S-Cz9.0.0

Program Documentation – License Document

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Product	Subproduct	Licensing Description
Oracle Enterprise Session Border Controller	Oracle Enterprise Session Border Controller (base fee) – Integrated Software Option – Per Server Metric	<p>Product Editions and Permitted Features</p> <p>This license (available on a per server basis) provides access to base Operating System and basic node management functions such as CLI (Command Line Interface), FTP (file transfer protocol) and SNMP (Simple Network Management Protocol). The following features are available with the base license:</p> <p>ACP (Acme Control Protocol) - Allows Oracle Enterprise Session Border Controller system to respond to external ACP requests (required for Oracle Delivery Management Suite).</p> <p>SIP (Session Initiation Protocol) – Enables all SIP functionality on the Oracle Enterprise SBC.</p> <p>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.</p> <p>DOS – Enables Denial of Service protection functionality that protects network infrastructure, including the SBC, by providing signaling and media traffic attack detection and policing, and static and dynamic access control.</p> <p>HA (High Availability) - 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.</p> <p>IDS (Intrusion Detection) – 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</p>

Product	Subproduct	Licensing Description
		<p>admission control) failures.</p> <p>IDS Advanced – This feature adds the ability to track total number of rejected SIP calls system-wide.</p> <p>National Emergency Services (NSEP) - Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures.</p> <p>SIPREC – Enables Oracle Enterprise SBC to replicate sessions to a session recorder according to the SIPREC standard</p> <p>SRTP (Secure Real-Time Transport Protocol) – Enables SRTP (SDS) media encryption.</p> <p>TLS (Transport Layer Security) – Enables cryptographic security for the SIP protocol. This feature is subject to export controls.</p> <p>Prerequisite Products</p> <p>Acme Packet 3900, 4600, 6300 or 6350 platform</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	<p>Oracle Enterprise Session Border Controller, SMB Edition (base fee) – Integrated Software Option – Per Server Metric</p>	<p>Product Editions and Permitted Features</p> <p>This license (available on a per server basis) provides access to base Operating System and basic node management functions such as CLI (Command Line Interface), FTP (file transfer protocol) and SNMP (Simple Network Management Protocol). The following features are available with the base license:</p> <p>ACP (Acme Control Protocol) - Allows Oracle Enterprise Session Border Controller system to respond to external ACP requests (required for Oracle Communications Session Delivery Management Suite).</p> <p>SIP (Session Initiation Protocol) – Enables all SIP functionality on the Oracle Enterprise SBC.</p> <p>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.</p> <p>DOS – Enables Denial of Service protection functionality that protects network infrastructure, including the SBC, by providing signaling and media traffic attack detection and policing, and static and dynamic access control.</p> <p>HA (High Availability) - 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.</p>

Product	Subproduct	Licensing Description
		<p>IDS (Intrusion Detection) – 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.</p> <p>IDS Advanced – This feature adds the ability to track total number of rejected SIP calls system-wide.</p> <p>National Emergency Services (NSEP) - Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures.</p> <p>SIPREC – Enables Oracle Enterprise SBC to replicate sessions to a session recorder according to the SIPREC standard</p> <p>SRTP (Secure Real-Time Transport Protocol) – Enables SRTP (SDS) media encryption.</p> <p>TLS (Transport Layer Security) – Enables cryptographic security for the SIP protocol. This feature is subject to export controls.</p> <p>Prerequisite Products Acme Packet 1100 platform</p> <p>Entitled Products and Restricted Use Licenses N/A</p>
	<p>Oracle Enterprise Session Border Controller – Integrated Software Option – per 5 Concurrent Sessions Metric</p>	<p>Product Editions and Permitted Features This license enables a number of concurrent sessions by Oracle Enterprise Session Border Controller (ISO session capacity) for all protocols combined (SIP, H.323).</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> • Oracle Enterprise Session Border Controller (base fee) – Integrated Software Option – per Server Metric <p>OR</p> <ul style="list-style-type: none"> • Oracle Enterprise Session Border Controller, SMB Edition (base fee) – Integrated Software Option – per Server Metric <p>Entitled Products and Restricted Use Licenses N/A</p>
	<p>Oracle Enterprise Session Border Controller – Network-Wide Concurrent Session Perpetual</p>	<p>Product Editions and Permitted Features This license enables a number of concurrent sessions by Oracle Enterprise Session Border Controller (ISO session capacity) for all protocols combined (SIP, H.323).</p>

Product	Subproduct	Licensing Description
		<p>This license (available on a per server basis) provides access to base Operating System and basic node management functions such as CLI (Command Line Interface), FTP (file transfer protocol) and SNMP (Simple Network Management Protocol). The following features are available with the base license:</p> <p>ACP (Acme Control Protocol) – Allows Oracle Enterprise Session Border Controller system to respond to external ACP requests (required for Oracle Communications Session Delivery Management Suite).</p> <p>SIP (Session Initiation Protocol) – Enables all SIP functionality on the Oracle Enterprise SBC.</p> <p>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.</p> <p>DOS – Enables Denial of Service protection functionality that protects network infrastructure, including the SBC, by providing signaling and media traffic attack detection and policing, and static and dynamic access control.</p> <p>HA (High Availability) – 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.</p> <p>IDS (Intrusion Detection) – 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.</p> <p>IDS Advanced – This feature adds the ability to track total number of rejected SIP calls system-wide.</p> <p>National Emergency Services (NSEP) – Enables support for Emergency Telecommunications Service (ETS), which gives priority treatment for National Security and Emergency Preparedness (NSEP) communications in IP network infrastructures.</p> <p>SIPREC – Enables Oracle Enterprise SBC to replicate sessions to a session recorder according to the SIPREC standard</p> <p>SRTP (Secure Real-Time Transport Protocol) – Enables SRTP (SDS) media encryption.</p> <p><u>Exceptions:</u> Not applicable to VME. Requires separate SRTP license.</p> <p>TLS (Transport Layer Security) – Enables cryptographic security for the SIP protocol. This feature is subject to export controls.</p>

Product	Subproduct	Licensing Description
		<p><u>Exceptions</u>: Not applicable to VME. Requires separate TLS license.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Supported virtualized platform <p>OR</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 platform <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
Session Capacity Based Licenses		
	<p>Oracle Enterprise Session Border Controller, Administrative Security - Integrated Software Option - per 5 Concurrent Sessions Metric</p>	<p>Product Editions and Permitted Features</p> <p>Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller - Integrated Software Option session capacity <p>This license requires an equal number of ISO session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	<p>Oracle Enterprise Session Border Controller, Administrative Security - Network-Wide Concurrent Session Perpetual</p>	<p>Product Editions and Permitted Features</p> <p>Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>This license requires an equal number of session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	<p>Oracle Enterprise Session Border Controller, Advanced - Integrated Software Option - per 5 Concurrent Sessions Metric</p>	<p>Product Editions and Permitted Features</p> <p>Includes the following features:</p> <p>Accounting - Allows Oracle Enterprise Session Border Controller to create call accounting records using Radius or by collecting the information in flat files that can stored locally or pushed via FTP to an external server.</p> <p>Fraud Protection - Enables the ability to whitelist, blacklist,</p>

Product	Subproduct	Licensing Description
		<p>rate limit, re-direct and terminate calls on the network.</p> <p>IPSec – Enables the use of IPsec protocol (including IKEv1, IKEv2 or manual keys) for protecting signaling and media. <u>Prerequisites:</u> SSM3 module (for Acme Packet 4600, 6300, or 6350 platforms only – not required for Acme Packet 1100 or 3900)</p> <p>IPv4 - IPv6 Interworking – Enables IPv4-IPv6 interworking for signaling and media. Pure IPv6 functionality works without the license being present. <u>Exceptions:</u> Not supported on Acme Packet 1100 or 3900 platforms</p> <p>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.</p> <p>Load Balancing – Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements.</p> <p>Quality of Service – Enables collection and reporting of Quality of Service (QoS) data (lost packets, jitter, and latency) for session media.</p> <p>Ringback Tone Generation – Allows the Session Border Controller to generate ringback tones locally</p> <p>Routing – Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements. The following features are included in this license:</p> <ul style="list-style-type: none"> • ENUM Database support • LRT (local route table) <p>Pre-requisite Products</p> <ul style="list-style-type: none"> • Oracle Enterprise Session Border Controller – Integrated Software Option session capacity <p>This license requires an equal number of ISO session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses N/A</p>
	Oracle Enterprise Session Border Controller, Advanced – Network-Wide Concurrent Session Perpetual	<p>Product Editions and Permitted Features Includes the following features:</p> <p>Accounting – Allows Oracle Enterprise Session Border Controller to create call accounting records using Radius or by collecting the information in flat files that can stored</p>

Product	Subproduct	Licensing Description
		<p>locally or pushed via FTP to an external server.</p> <p>Fraud Protection – Enables the ability to whitelist, blacklist, rate limit, re-direct and terminate calls on the network.</p> <p>IPSec – Enables the use of IPsec protocol (including IKEv1, IKEv2 or manual keys) for protecting signaling and media. <u>Prerequisites:</u> SSM3 module (for Acme Packet 4600, 6300, or 6350 platforms only – not required for Acme Packet 1100 or 3900) <u>Exceptions:</u> Not applicable to VME. Requires separate IPSec license.</p> <p>IPv4 - IPv6 Interworking – Enables IPv4-IPv6 interworking for signaling and media. Pure IPv6 functionality works without the license being present. <u>Exceptions:</u> Not available on Acme Packet 1100 or 3900 platforms</p> <p>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.</p> <p>Load Balancing – Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements.</p> <p>Quality of Service – Enables collection and reporting of Quality of Service (QoS) data (lost packets, jitter, and latency) for session media.</p> <p>Ringback Tone Generation – Allows the Session Border Controller to generate ringback tones locally</p> <p>Routing – Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements. The following features are included in this license:</p> <ul style="list-style-type: none"> • ENUM Database support • LRT (local route table) <p>Pre-requisite Products</p> <ul style="list-style-type: none"> • Oracle Enterprise Session Border Controller session capacity <p>This license requires an equal number of session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses N/A</p>
	Oracle Enterprise Session Border	Product Editions and Permitted Features

Product	Subproduct	Licensing Description
	Controller, Advanced Media Termination – Integrated Software Option – per 5 Concurrent Sessions Metric	<p>Enables support for handling RTC media, via the following features:</p> <ul style="list-style-type: none"> • RTP / RTCP multiplexing (per RFC 5761) • ICE lite (per RFC 5245) • STUN <p>Pre-requisite Products</p> <ul style="list-style-type: none"> • Oracle Enterprise Session Border Controller – Integrated Software Option session capacity <p>This license requires an equal number of ISO session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Oracle Enterprise Session Border Controller, Advanced Media Termination – Network-Wide Concurrent Session Perpetual	<p>Product Editions and Permitted Features</p> <p>Enables support for handling RTC media, via the following features:</p> <ul style="list-style-type: none"> • RTP / RTCP multiplexing (per RFC 5761) • ICE lite (per RFC 5245) • STUN <p>Pre-requisite Products</p> <ul style="list-style-type: none"> • Oracle Enterprise Session Border Controller session capacity <p>This license requires an equal number of session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Oracle Enterprise Session Border Controller, Advanced Security Suite – Integrated Software Option – per 5 Concurrent Sessions Metric	<p>Product Editions and Permitted Features</p> <p>Combines the Data Integrity and Administrative Security features. Features. An ESBC configured with this license complies with the US government Defense Information Systems Agency JITC specification UCR2013.</p> <p>Admin Security – Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.</p> <p>FIPS – Strengthens the privacy provided by the ESBC’s cryptographic module to the levels required by the FIPS 140-2 Standards.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> • Oracle Enterprise Session Border Controller – Integrated Software Option session capacity

Product	Subproduct	Licensing Description
		<p>This license requires an equal number of ISO session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses N/A</p>
	<p>Oracle Enterprise Session Border Controller, Advanced Security Suite – Network-Wide Concurrent Session Perpetual</p>	<p>Product Editions and Permitted Features Combines the Data Integrity and Administrative Security features. Features. An ESBC configured with this license complies with the US government Defense Information Systems Agency JITC specification UCR2013.</p> <p>Admin Security – Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.</p> <p>FIPS – Strengthens the privacy provided by the ESBC’s cryptographic module to the levels required by the FIPS 140-2 Standards.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> • Oracle Enterprise Session Border Controller session capacity <p>This license requires an equal number of session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses N/A</p>
	<p>Oracle Enterprise Session Border Controller, Data Integrity – Integrated Software Option – per 5 Concurrent Sessions Metric</p>	<p>Product Editions and Permitted Features Strengthens the privacy provided by the ESBC’s cryptographic module to the levels required by the FIPS 140-2 Standards.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> • Oracle Enterprise Session Border Controller – Integrated Software Option session capacity <p>This license requires an equal number of ISO session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses N/A</p>
	<p>Oracle Enterprise Session Border Controller, Data Integrity – Network-Wide Concurrent Session Perpetual</p>	<p>Product Editions and Permitted Features Strengthens the privacy provided by the E-SBC’s cryptographic module to the levels required by the FIPS 140-2 Standards.</p> <p>Pre-requisite Products</p>

Product	Subproduct	Licensing Description
		<ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>This license requires an equal number of session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses N/A</p>
	Oracle Enterprise Session Border Controller, Hardware-Assisted Transcoding – Network-Wide Concurrent Session Perpetual	<p>Product Editions and Permitted Features Enables the use of 3rd party DSP-based PCIe card for hardware accelerated transcoding in a VME instance.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Supported virtualized platform. Not applicable for Acme Packet 1100, 3900, 4600, 6300, or 6350 platforms. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>This license requires an equal number of session capacity licenses, and the appropriate ISO codec licenses (as required)</p> <p>Entitled Products and Restricted Use Licenses This license is only applicable to VME deployments</p>
	Oracle Enterprise Session Border Controller, IPSec Trunking – Network-Wide Concurrent Session Perpetual	<p>Product Editions and Permitted Features Enables the use of the IPSec protocol for protecting signaling and media.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Supported virtualized platform. Not applicable for Acme Packet 1100, 3900, 4600, 6300, or 6350 platforms. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>This license requires an equal number of session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses This license is only applicable to VME deployments</p>
	Oracle Enterprise Session Border Controller, REST API for 3 rd Party Use – Integrated Software Option – per 5 Concurrent Sessions	<p>Product Editions and Permitted Features Enables automated management of the SBC from 3rd party (i.e. non Oracle) applications and services.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller – Integrated

Product	Subproduct	Licensing Description
	Metric	<p>Software Option session capacity</p> <p>This license requires an equal number of ISO session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Oracle Enterprise Session Border Controller, REST API for 3 rd Party Use – Network-Wide Concurrent Session Perpetual	<p>Product Editions and Permitted Features</p> <p>Enables automated management of the SBC from 3rd party (i.e. non Oracle) applications and services.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>This license requires an equal number of session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Oracle Enterprise Session Border Controller, Secure Real-time Transport Protocol (SRTP) – Network-Wide Concurrent Session Perpetual	<p>Product Editions and Permitted Features</p> <p>Enables the use of SRTP (SDES) for encryption of media</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Supported virtualized platform. Not applicable for Acme Packet 1100, 3900, 4600, 6300, or 6350 platforms. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>This license requires an equal number of session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses</p> <p>This license is only applicable to VME deployments</p>
	Oracle Enterprise Session Border Controller, Transport Layer Security (TLS) – Network-Wide Concurrent Session Perpetual	<p>Product Editions and Permitted Features</p> <p>Enables the use of TLS for encryption of SIP signaling</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Supported virtualized platform. Not applicable for Acme Packet 1100, 3900, 4600, 6300, or 6350 platforms. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>This license requires an equal number of session capacity licenses.</p> <p>Entitled Products and Restricted Use Licenses</p>

Product	Subproduct	Licensing Description
		This license is only applicable to VME deployments
Session Based Licenses (orderable independent of session capacity licenses)		
	Oracle Enterprise Session Border Controller, MSRP B2BUA – Integrated Software Option – per 5 Concurrent Sessions Metric	<p>Product Editions and Permitted Features Enables the use of MSRP B2BUA (Message Session Relay Protocol Back to Back User Agent) functionality.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller – Integrated Software Option session capacity <p>Entitled Products and Restricted Use Licenses N/A</p>
	Oracle Enterprise Session Border Controller, MSRP B2BUA – Network-Wide Concurrent Session Perpetual	<p>Product Editions and Permitted Features Enables the use of MSRP B2BUA (Message Session Relay Protocol Back to Back User Agent) functionality.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Entitled Products and Restricted Use Licenses N/A</p>
Codec Licenses		
	Transcoding coder/decoder for transcoding module 2, AMR-NB – per 25 Concurrent Sessions Metric	<p>Product Editions and Permitted Features AMR-NB royalty license is required in order to enable support for transcoding to and from AMR-NB codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 with transcoding module(s). Not available on ESBC VME. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses N/A</p>
	Transcoding coder/decoder for Enterprise, AMR-NB – 25	<p>Product Editions and Permitted Features AMR-NB license is required in order to enable support for software transcoding to and from AMR-NB codec.</p>

Product	Subproduct	Licensing Description
	Concurrent Sessions Perpetual	<p>Pre-requisite Products</p> <ul style="list-style-type: none"> Supported virtualized platform. Not available on Acme Packet 1100, 3900, 4600, 6300, and 6350 platforms. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for Oracle Enterprise Session Border Controller, AMR-NB - Integrated Software Option - per 5 Concurrent Sessions Metric	<p>Product Editions and Permitted Features</p> <p>AMR-NB royalty license is required in order to enable support for transcoding to and from AMR-NB codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 with transcoding module(s). Not available on ESBC VME. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for Oracle Enterprise Session Border Controller, AMR-NB - Network-Wide Concurrent Session Perpetual	<p>Product Editions and Permitted Features</p> <p>AMR-NB royalty license is required in order to enable support for transcoding to and from AMR-NB codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for transcoding module 2, AMR-WB (G.722.2) - per	<p>Product Editions and Permitted Features</p> <p>AMR-WB royalty license is required to enable support for transcoding to and from the AMR-WB codec.</p>

Product	Subproduct	Licensing Description
	25 Concurrent Sessions Metric	<p>Pre-requisite Products</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 with transcoding module(s). Not available on ESBC VME. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for Enterprise, AMR-WB (G.722.2) – 25 Concurrent Sessions Perpetual	<p>Product Editions and Permitted Features</p> <p>AMR-WB license is required in order to enable support for software transcoding to and from AMR-WB codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Supported virtualized platform. Not available on Acme Packet 1100, 3900, 4600, 6300, and 6350 platforms. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for Oracle Enterprise Session Border Controller, AMR-WB (G.722.2) - Integrated Software Option – per 5 Concurrent Sessions Metric	<p>Product Editions and Permitted Features</p> <p>AMR-WB royalty license is required in order to enable support for transcoding to and from AMR-WB codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 with transcoding module(s). Not available on ESBC VME. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for	<p>Product Editions and Permitted Features</p>

Product	Subproduct	Licensing Description
	Oracle Enterprise Session Border Controller, AMR-WB (G.722.2) - Network-Wide Concurrent Session Perpetual	<p>AMR-WB royalty license is required in order to enable support for transcoding to and from AMR-WB codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for transcoding module 2, EVRC – per 25 Concurrent Sessions Metric	<p>Product Editions and Permitted Features</p> <p>Required in order to enable support for transcoding to and from EVRC codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 with transcoding module(s). Not available on ESBC VME. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder transcoding module 2, EVRCB – per 25 Concurrent Sessions Metric	<p>Product Editions and Permitted Features</p> <p>Required in order to enable support for transcoding to and from EVRC-B codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 with transcoding module(s). Not available on ESBC VME. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for transcoding module 2,	<p>Product Editions and Permitted Features</p> <p>Opus royalty license is required in order to enable support</p>

Product	Subproduct	Licensing Description
	Opus - Integrated Software Option - per Concurrent Session Metric	<p>for transcoding to and from Opus codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 with transcoding module(s). Not available on ESBC VME. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for Enterprise, Opus - 25 Concurrent Sessions Perpetual	<p>Product Editions and Permitted Features</p> <p>Opus royalty license is required in order to enable support for transcoding to and from Opus codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Supported virtualized platform. Not available on Acme Packet 1100, 3900, 4600, 6300, and 6350 platforms. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for Oracle Enterprise Session Border Controller, Opus - Integrated Software Option - per 5 Concurrent Sessions Metric	<p>Product Editions and Permitted Features</p> <p>Opus royalty license is required in order to enable support for transcoding to and from Opus codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 with transcoding module(s). Not available on ESBC VME. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding	<p>Product Editions and Permitted Features</p>

Product	Subproduct	Licensing Description
	coder/decoder for Oracle Enterprise Session Border Controller, Opus - Network-Wide Concurrent Session Perpetual	<p>Opus royalty license is required in order to enable support for transcoding to and from Opus codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for transcoding module 2, SILK - Integrated Software Option - per Concurrent Session Metric	<p>Product Editions and Permitted Features</p> <p>SILK royalty license is required in order to enable support for transcoding to and from SILK codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 with transcoding module(s). Not available on ESBC VME. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for Enterprise, SILK - 25 Concurrent Sessions Perpetual	<p>Product Editions and Permitted Features</p> <p>SILK royalty license is required in order to enable support for transcoding to and from SILK codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Supported virtualized platform. Not available on Acme Packet 1100, 3900, 4600, 6300, and 6350 platforms. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for	<p>Product Editions and Permitted Features</p>

Product	Subproduct	Licensing Description
	Oracle Enterprise Session Border Controller, SILK - Integrated Software Option - per 5 Concurrent Sessions Metric	<p>SILK royalty license is required in order to enable support for transcoding to and from SILK codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Acme Packet 1100, 3900, 4600, 6300, or 6350 with transcoding module(s). Not available on ESBC VME. <p>AND</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>
	Transcoding coder/decoder for Oracle Enterprise Session Border Controller, SILK - Network-Wide Concurrent Session Perpetual	<p>Product Editions and Permitted Features</p> <p>SILK royalty license is required in order to enable support for transcoding to and from SILK codec.</p> <p>Pre-requisite Products</p> <ul style="list-style-type: none"> Oracle Enterprise Session Border Controller session capacity <p>Requires an equal or greater number of session capacity licenses</p> <p>Entitled Products and Restricted Use Licenses</p> <p>N/A</p>

Third-Party Commercial and Open Source Software

Commercial Software

Commercial software used in Oracle Enterprise Session Border Controller – S-CZ9.0.0 is identified in the following table with the following license notes, restrictions, and disclaimers.

Vendor	Product(s) and Version(s)	Licensing Description/Disclaimer
Cavium	u-boot – 1.1.1	GPL 2.0 - See APPENDIX B
Icon Laboratories	Envoy SNMP – 3.6	Used under license from Icon Laboratories, All Rights Reserved.
Mocana	NanoSec Standard and Advanced – 5.1.1	Used under license from Mocana, All Rights Reserved
	NanoSSH Advanced – 5.1.1	Used under license from Mocana, All Rights Reserved
	NanoSSH Client and Server – 5.1.1	Used under license from Mocana, All Rights Reserved
	Embedded IKE – 5.1.1	Used under license from Mocana. All Rights Reserved.
	Embedded SSH Client and Server – 5.1.1	Used under license from Mocana. All Rights Reserved.
	Embedded SSL Server – 5.1.1	Used under license from Mocana. All Rights Reserved.
	bitstring.h (4 th party of Mocana)	<p>Copyright (c) 1989, 1993 The Regents of the University of California. All rights reserved.</p> <p>This code is derived from software contributed to Berkeley by Paul Vixie.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. [Clause 3 is deleted in its entirety per

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Radvision	H.323 Toolkit	Used under license from Radvision, All Rights Reserved
	ARTP/RTCP	Used under license from Radvision, All Rights Reserved
	ASN.1 Compiler Add-On for H.323 for Windows	Used under license from Radvision, All Rights Reserved
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Xiph.Org Foundation	Opus 1.1.0 (4 th party of Octasic)	<p>Opus licensing</p> <p>Opus has a freely available specification, a BSD-licensed, high-quality reference encoder and decoder, and protective, royalty-free licenses for the required patents. The copyright and patent licenses for Opus are automatically granted to everyone and do not require application or approval. The Opus FAQ has more information on why Opus is freely licensed.</p> <p>In brief: (see below for details)</p> <ul style="list-style-type: none"> ✓ You can encode or decode Opus-compatible streams for any purpose at no cost. ✓ You can integrate the reference Opus encoder and decoder in any application, program, or product, even commercially, at no cost. ✓ You can create your own compatible implementations of the Opus specification and give them away or sell them. ✗ You may not do these things if you engage in Opus-related patent litigation against any user of Opus. <p>Licensing details</p> <p>Copyright</p> <p>Specification</p> <p>The specification is freely available as part of IETF RFC 6716. The RFC includes the reference implementation, which is available under the three-clause BSD license (see below).</p> <p>Implementation</p> <p>Both the reference implementation and the revised implementations on opus-codec.org are available under the three-clause BSD license. This BSD license is compatible with all common open source and commercial software licenses.</p>

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		<p>this work.</p> <ol style="list-style-type: none"> 1. [1]Takao Abe <takao_abe@xurb.jp> Clock driver for J1Y receivers 2. [2]Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller 3. [3]Bernd Altmeier <altmeier@atsoft.de> hopf Elektronik serial line and PCI-bus devices 4. [4]Viraj Bais <vbais@mailman1.intel.com> and [5]Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5 5. [6]Michael Barone <michael.barone@lmco.com> GPSVME fixes 6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option 7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules. 8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver 9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support 10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp 11. [12]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support 12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer) 13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver 14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration 15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port. 16. [17]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port 17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port 18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119 19. [20]John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing 20. [21]Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite 21. [22]Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver 22. [23]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver 23. [24]Mike Iglesias <iglesias@uci.edu> DEC Alpha port 24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port 25. [26]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul 26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or [28]<H.Lambermont@chello.nl> ntpswEEP 27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author) 28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> driver (>14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling 29. [32]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications 30. [33]Dave Katz <dkatz@cisco.com> RS/6000 AIX port 31. [34]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver 32. [35]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port 33. [36]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication 34. [37]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305 35. [38]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance 36. [39]David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers: Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWV/H, IRIG

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

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Version 3, 29 June 2007

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