

Oracle® Communications
Session Border Controller S-CX6.4.6

Program Documentation – License Document

First Edition
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Oracle Communications Session Border Controller – Licensing Notes

The Oracle Communications Tunneled Session Controller can operate as a standalone software application providing just the capability to establish TLS/DTLS tunnels with the clients. Alternatively the Oracle Communications Tunneled Session Controller functionality can also optionally operate in an integrated mode with the Oracle Communications Session Border Controller whereby TLS/DTLS tunneling capability is combined with the traditional Session Border Controller capabilities.

The sections below describe:

- 1) Licensing to operate Oracle Communications Tunneled Session Controller in a standalone mode i.e. not integrated with the Oracle Communications Session Border Controller Software.
- 2) Licensing to operate Oracle Communications Session Border Controller, with Tunneled Session Controller functionality available as an add-on option.

The following licenses apply to TSC operating in a standalone mode:

Product	Subproduct	Licensing Description
Oracle Communications Tunneled Session Controller	Oracle Communications Tunneled Session Controller (base fee) - Integrated Software Option - per Server Metric	<p>This license (available on a per server basis) provides access to Acme Packet OS and basic node management functions such as CLI (Command Line Interface), FTP (File Transfer Protocol) and SNMP (Simple Network Management Protocol) on Oracle Communications Tunneled Session Controller software operating in a siloed mode.</p> <p>The following features are available with the base license.</p> <p>ACP (Acme Control Protocol) - Allows Oracle Communications Tunneled Session Controller to respond to external ACP requests (required for required for Oracle Communications Session Delivery Management Suite interaction).</p> <p>TSCF (Tunneled Session Control Function) - Allows configuration of TLS and DTLS tunnel-related configuration objects</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>Prerequisites: Requires Acme Packet 4500 hardware equipped with SSM2 and either an 8G ETC or 8G ETC2 NIU.</p> <p>Note: This license or {Oracle Communications Tunneled Session Controller - Integrated Software Option - per 100 Tunnels Metric} is a prerequisite for all feature licenses described below.</p>

The following licenses apply to Oracle Communications Session Border Controller with Tuneled Session Controller add-on license. Note that either Oracle Communications Tunneled Session Controller (base fee) - Integrated Software Option - per Server Metric or Oracle Communications Tunneled Session Controller (base fee) - Integrated Software Option - per Server Metric:

Product	Subproduct	Licensing Description
Oracle Communications Session Border Controller	Oracle Communications Session Border Controller (base fee) – Integrated Software Option – Per Server Metric	<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 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 Session Border Controller, including IMS P-CSCF functionality.</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>H.248 ALG - Enables the H.248 ALG functionality (respond to/forward H.248 signaling messages based on system configuration as an H.248 back-to-back gateway). Allows configuration of H.248-related configuration objects.</p> <p>MGCP (Media Gateway Control Protocol) - Enables MGCP signaling (respond to/forward MGCP signaling messages and set up MGCP sessions based on system configuration). Allows configuration of MGCP-related configuration objects.</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>Prerequisites: Requires Acme Packet 4500 hardware equipped with SSM2 and either an 8G ETC or 8G ETC2 NIU..</p> <p>Note: This license or {Oracle Communications Tunneled Session Controller - Integrated Software Option - per 100 Tunnels Metric} is a prerequisite for all feature licenses described below.</p>

Product	Subproduct	Licensing Description
	Oracle Communications Tunneled Session Controller - Integrated Software Option - per 100 Tunnels Metric	<p>Provides the capability to dynamically establish TLS or DTLS tunnels capable of transporting signaling and media traffic on Oracle Communications Tunneled Session Controller operating in a siloed mode.</p> <p>Prerequisites: [Oracle Communications Tunneled Session Controller (base fee) - Integrated Software Option - per Server Metric] OR [Oracle Communications Session Border Controller (base fee) – Integrated Software Option – Per Server Metric]</p>
	Oracle Communications Session Border Controller – Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Determines the maximum number of sessions allowed by Oracle Session Border Controller (session capacity) for all protocols combined (SIP, H.323 SIP<->H.323 IWF etc). This feature license includes the capability to handle registrations (registration caching).</p> <p>Prerequisites: [Oracle Communications Tunneled Session Controller (base fee) - Integrated Software Option - per Server Metric] OR [Oracle Communications Session Border Controller (base fee) – Integrated Software Option – Per Server Metric]</p>
Session Capacity Based Licenses		
Oracle Communications Session Border Controller	Oracle Communications Session Border Controller, Accounting – Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Allows Oracle Communications Session Border Controller to create call accounting records using either Radius or Diameter (via the Rf interface), or by collecting the information in flat files that can stored locally or pushed via FTP to an external server.</p> <p>Orderable in session increments that match session capacity licenses.</p>
	Oracle Communications Session Border Controller, Routing - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>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, and carrier elements.</p> <ul style="list-style-type: none"> • ENUM Database support requires the routing license. • LRT (Local route table) requires the routing license. <p>Orderable in session increments that match session capacity licenses.</p>

Product	Subproduct	Licensing Description
	Oracle Communications Session Border Controller, Load balancing - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements.</p> <p>Orderable in session increments that match session capacity licenses.</p>
	Oracle Communications Session Border Controller, Policy Server - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Allows configuration of a COPS (common open policy server)/Diameter interface towards a third party external policy server function that provides functionality in the following two categories:</p> <ul style="list-style-type: none"> • External Bandwidth Management/ Call Admission Control towards a Policy Server (RACF/PCRF) • Location Information queries to a Connectivity Location Function (CLF). <p>Orderable in session increments that match session capacity licenses.</p>
	Oracle Communications Session Border Controller, Quality of Service - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Enables collection and reporting of Quality of Service (QoS) data (lost packets, jitter, and latency) for session media.</p> <p>Orderable in session increments that match session capacity licenses.</p> <p>Prerequisites: Requires QoS capable module</p>
	Oracle Communications Session Border Controller, IWF protocol - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>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 Interworking (IWF-related) configuration objects.</p> <p>Orderable in session increments that match session capacity licenses.</p>
	Oracle Communications Session Border Controller, IPv4-IPv6 Interworking - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Enables IPv4-IPv6 interworking for signaling and media; pure IPv6 functionality works without the license being present.</p> <p>Orderable in session increments that match session capacity licenses.</p>

Product	Subproduct	Licensing Description
	Oracle Communications Session Border Controller, Government Security Certification - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.</p> <p>Orderable in session increments that match session capacity licenses.</p>
	Oracle Communications Session Border Controller, Lawful Intercept - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Allows configuration and use of parameters to enable lawful intercept. See Lawful Intercept Overview section in the CLI guide for details on LI types supported.</p> <p>Orderable in session increments that match session capacity licenses.</p>
Session Based Licenses (orderable independent of session capacity Licenses)		
Oracle Communications Session Border Controller	Oracle Communications Session Border Controller, SRTP - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Enables SRTP (MIKEY/SDES) (Media Encryption).</p> <p>Prerequisites: Requires encryption capable module and SSM/SSM2 module installed</p>
	Oracle Communications Session Border Controller, IPsec Trunking - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Enables the use of IPsec protocol (including IKEv1 or manual keys) for protecting signaling and media.</p> <p>Prerequisites: Requires encryption capable module and SSM/SSM2 module installed</p>
	Oracle Communications Session Border Controller, MSRP B2BUA - Integrated Software Option – Per 500 Concurrent Sessions Metric	<p>Enables the use of MSRP B2BUA (Message Session Relay Protocol /Back to Back User Agent) functionality.</p>

Product	Subproduct	Licensing Description
Endpoints Based Licenses (available in endpoint units)		
Oracle Communications Session Border Controller	Oracle Communications Session Border Controller, IMS-AKA - Integrated Software Option – Per 5K Endpoints Metric	Enables IMS-AKA framework use for authentication and for securing the signaling path between UE and the Oracle Communications Session Border Controller across the Gm interface on the access network. Prerequisites: Requires encryption capable module
Endpoints Based Licenses (available in endpoint units)		
Oracle Communications Session Border Controller	Oracle Communications Session Border Controller, TSC - Integrated Software Option - per 100 Tunnels Metric	Provides the capability to dynamically establish TLS or DTLS tunnels capable of transporting signaling and media traffic on Oracle Communications Tunneled Session Controller operating in a siloed mode. Entitles the use of TSC client Software Development Kit (SDK) in conjunction with the TSC function on the Oracle Communications Session Border Controller. Prerequisites: Oracle Communications Session Border Controller (base fee) – Integrated Software Option – Per Server Metric

Third-Party Commercial and Open Source Software

Commercial Software

Commercial software used in Oracle Communications Tunneled Session Controller S-CX6.4.6F2P4 is identified in the following table with the following license notes, restrictions, and disclaimers.

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Tom St Denis	LibTomCrypt and LibTomMath	<p>LibTomCrypt and LibTomMath are written by Tom St Denis, and are Public Domain.</p>
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