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Operational Modes

SRTP topologies can be reduced to three basic topologies which are described in the following sections.

Single-Ended SRTP Termination

Single-ended SRTP termination is illustrated in the following figure.



Single-Ended SRTP Termination

If SRTP is enabled for the inbound realm/interface, the Oracle Communications Session Border Controller handles the incoming call as specified by the Media Security Policy assigned to the inbound realm. If there is crypto attribute contained in the offer, the Oracle Communications Session Border Controller parses the crypto attributes and optional parameters, if any. If the offer contains a crypto attribute or attributes compatible with the requirements specified by the SDES profile assigned to the Media Security policy, it selects the most preferred compatible attribute. Otherwise, the Oracle Communications Session Border Controller rejects the offer. Before the SDP is forwarded to the called party, the Oracle Communications Session Border Controller allocates resources, established SRTP and SRTCP.