

Businesses are looking for solutions that support both voice and data communications for a wide range of teleworkers – from premier employees such as corporate executives or full-time teleworkers who require permanent, secure connectivity for multiple remote devices, to casual teleworkers who want secure connectivity for soft phones, IP phones, mobile phones, and third-party endpoints such as iPhones. In addition to Secure Sockets Layer (SSL) and IP Security (IPsec) VPN connectivity, Cisco® ASA 5500 Series Adaptive Security Appliances Release 8.0.4 Unified Communications proxy features extend unified communications services to remote users to provide more complete, converged, multifunction security and VPN services within a single platform.

## Unified Communications Proxy Features

**ASA Phone Proxy:** The Cisco ASA Phone Proxy enables termination of Secure Real-Time Transport Protocol (SRTP)/Transport Layer Security (TLS)-encrypted endpoints for secure connectivity across the Internet. The ASA Phone Proxy allows large-scale, secure deployments of phones without a large-scale deployment of VPN remote access hardware.

The Cisco ASA Phone Proxy can also be deployed for voice/data VLAN segmentation for soft phone applications. Cisco IP Communicator traffic (both media and signaling) can be proxied through the ASA, thus bridging calls securely between voice and data VLANs.

**ASA Mobility Proxy:** The Cisco ASA Mobility Proxy enables secure connectivity between Cisco Unified Mobile Communicator software and the Cisco Unified Mobility Advantage server. The Cisco ASA is able to intercept the TLS connection between the Cisco Unified Mobile Communicator software and server, then inspect and apply policies to the mobility traffic using a brand new Mobility Multiplexing Protocol (MMP) inspection engine.

**ASA Presence Federation Proxy:** The Cisco ASA enables secure presence federation between Cisco Presence and the Microsoft Office Communications Server presence solutions, allowing two organizations to collaborate more efficiently by sharing presence information about how best to reach and communicate with other users.

**ASA TLS Proxy:** The ASA TLS proxy is able to decrypt encrypted signaling from Cisco endpoints, apply the required threat protection and access control, and help ensure confidentiality by reencrypting the traffic onto the Cisco Unified Communications Manager servers. This is an ideal way to address confidentiality and maintain security policies.

Figure 1. Cisco ASA 5500 Series Adaptive Security Appliances



## Unified Communications Proxy Licenses FAQ

- The ASA Phone Proxy, Mobility Proxy, Presence Federation Proxy, and TLS Proxy are all licensed under the Unified Communications proxy umbrella and can be mixed and matched.
- Each Unified Communications proxy license corresponds to one ASA TLS Proxy session.
- For example, if a phone is configured with a primary and backup Cisco Unified Communications Manager, there are TWO TLS/SRTP connections, requiring TWO Unified Communications proxy licenses.
- Additional Cisco SMARTnet® coverage is needed for the Unified Communications proxy features. The SMARTnet product IDs shown in Tables 2, 3, and 4 are for 8x5xNBD.

- Every ASA comes with two UC proxy licenses at no cost.
- The maximum number of Unified Communications proxy licenses per platform is shown in Table 1

Table 1. Maximum Number of Unified Communications Proxy Licenses for Each Cisco ASA Model

Cisco ASA Model	Maximum Unified Communications Proxy Licenses
ASA 5505	24
ASA 5510	100
ASA 5520	1000
ASA 5540	2000
ASA 5550	3000
ASA 5580	5000 - Phone Proxy 10000 - TLS Proxy, Mobility Proxy, Presence Federation Proxy
ASA 5585-X	SSP-10 3000 - Phone Proxy 3000 - TLS Proxy, Mobility Proxy, Presence Federation Proxy SSP-20, SSP-40, SSP-60 5000 - Phone Proxy 10000 - TLS Proxy, Mobility Proxy, Presence Federation Proxy



**Table 2.** Product IDs for ASA Bundle Licenses and 8x5xNBD SMARTnet Service

Cisco ASA Unified Communications Proxy Bundle	Cisco ASA 5500 Series Product Description	Service Product ID (8x5xNBD)
<b>ASA5520-UC-BUN-K9</b>	ASA 5520 Unified Communications Bundle with 1000 UC proxy sessions, 3DES/AES	CON-SNT-AS52UBK9, CON-SNT-ASAUC1K
<b>ASA5520-UC-BUN-K8</b>	ASA 5520 Unified Communications Bundle with 1000 UC proxy sessions, 3DES/AES <sup>1</sup>	CON-SNT-AS52UBK8, CON-SNT-ASAUC1K
<b>ASA5540-UC-BUN-K9</b>	ASA 5540 Unified Communications Bundle with 2000 UC proxy sessions, 3DES/AES	CON-SNT-AS54UBK9, CON-SNT-ASAUC2K
<b>ASA5540-UC-BUN-K8</b>	ASA 5540 Unified Communications Bundle with 1000 UC proxy sessions, 3DES/AES <sup>1</sup>	CON-SNT-AS54UBK8, CON-SNT-ASAUC2K
<b>ASA5550-UC-BUN-K9</b>	ASA 5550 Unified Communications Bundle with 3000 UC proxy sessions, 3DES/AES	CON-SNT-AS55UBK9, CON-SNT-ASAUC3K
<b>ASA5550-UC-BUN-K8</b>	ASA 5550 Unified Communications Bundle with 1000 UC proxy sessions, 3DES/AES <sup>1</sup>	CON-SNT-AS55UBK8, CON-SNT-ASAUC3K

<sup>1</sup> DES applies to UC licenses in ASA software version 8.2 and earlier. 3DES/AES applies to UC licenses in ASA software version 8.3 and higher

**Table 3.** Product IDs for ASA Licenses and 8x5xNBD SMARTnet Service

Cisco ASA Unified Communications Proxy License <sup>2</sup>	Cisco ASA 5500 Series Product Description	Service Product ID (8x5xNBD)
<b>ASA-UC-24(=)</b>	ASA 5500 UC Proxy 24 sessions	CON-SNT-ASAUC24
<b>ASA-UC-50(=)</b>	ASA 5500 UC Proxy 50 sessions	CON-SNT-ASAUC50
<b>ASA-UC-100(=)</b>	ASA 5500 UC Proxy 100 sessions	CON-SNT-ASAUC100
<b>ASA-UC-250(=)</b>	ASA 5500 UC Proxy 250 sessions	CON-SNT-ASAUC250
<b>ASA-UC-500(=)</b>	ASA 5500 UC Proxy 500 sessions	CON-SNT-ASAUC500
<b>ASA-UC-750(=)</b>	ASA 5500 UC Proxy 750 sessions	CON-SNT-ASAUC750
<b>ASA-UC-1000(=)</b>	ASA 5500 UC Proxy 1000 sessions	CON-SNT-ASAUC1K
<b>ASA-UC-2000(=)</b>	ASA 5500 UC Proxy 2000 sessions	CON-SNT-ASAUC2K
<b>ASA-UC-3000(=)</b>	ASA 5500 UC Proxy 3000 sessions	CON-SNT-ASAUC3K
<b>ASA-UC-5000(=)</b>	ASA 5500 UC Proxy 5000 sessions	CON-SNT-ASAUC5K
<b>ASA-UC-10000(=)</b>	ASA 5500 UC Proxy 10000 sessions	CON-SNT-ASAUC10K

<sup>2</sup>Note that two sets of licenses are shown - spares and systems. Spares are reflected with the equal sign.

**Table 4.** Product IDs for ASA Upgrade Licenses and 8x5xNBD SMARTnet Service

Cisco ASA UC Proxy Upgrade License	Cisco ASA 5500 Series Product Description	Service Product ID (8x5xNBD)
<b>ASA-UC-24-50=</b>	ASA 5500 UC Proxy 24 to 50 upgrade sessions	CON-SNT-ASAUP50
<b>ASA-UC-50-100=</b>	ASA 5500 UC Proxy 50 to 100 upgrade sessions	CON-SNT-ASAUP100
<b>ASA-UC-100-250=</b>	ASA 5500 UC Proxy 100 to 250 upgrade sessions	CON-SNT-ASAUP250
<b>ASA-UC-250-500=</b>	ASA 5500 UC Proxy 250 to 500 upgrade sessions	CON-SNT-ASAUP500
<b>ASA-UC-500-750=</b>	ASA 5500 UC Proxy 500 to 750 upgrade sessions	CON-SNT-ASAUP750
<b>ASA-UC-750-1000=</b>	ASA 5500 UC Proxy 750 to 1000 upgrade sessions	CON-SNT-ASAUP1K
<b>ASA-UC-1000-2000=</b>	ASA 5500 UC Proxy 1000 to 2000 upgrade sessions	CON-SNT-ASAUP2K
<b>ASA-UC-2000-3000=</b>	ASA 5500 UC Proxy 2000 to 3000 upgrade sessions	CON-SNT-ASAUP3K
<b>ASA-UC-3000-5000=</b>	ASA 5500 UC Proxy 3000 to 5000 upgrade sessions	CON-SNT-ASAUP5K
<b>ASA-UC-5000-10000=</b>	ASA 5500 UC Proxy 5000 to 10000 upgrade sessions	CON-SNT-ASAUP10K