

## Avaya Aura™ SIP Enablement Services

SIP-enable the enterprise and cut your operating expenses.

### Overview

Avaya Aura SIP Enablement Services delivers rich communications, collaboration, mobility and application integration capabilities to the enterprise. This centrally managed application provides a smooth migration path into the benefits of SIP-based communications with support for SIP trunking, SIP stations, presence and instant messaging, as well as SIP-based applications such as Avaya Modular Messaging, Avaya Meeting Exchange and Avaya Voice Portal. SIP-enabling the enterprise increases interoperability while reducing costs and easing the path to unified communications.

Avaya Aura SIP Enablement Services is a Linux-based software application that is deployed as a network appliance on Avaya servers, or as an embedded component of

Avaya Aura™ Communication Manager. Multiple Avaya Aura SIP Enablement Services instances can be deployed within the enterprise IP communications network. Each server is licensed to operate in one of three modes: Home, Edge, or Combo. Each type of server can be deployed in a duplicated server configuration for high availability either co-located or geographically separated over a layer 2 network using the network duplication feature.

### Key Customer Benefits

- Lets enterprises use SIP standards to deploy an open architecture that more easily supports the integration of multi-vendor telephony, collaboration, and application services.
- Reduces recurring OPEX expenses with SIP trunking between Avaya Aura

Communication Manager, Avaya Aura Communication Manager Branch, Avaya IP Office and SIP Service Providers for toll arbitrage/avoidance.

- Maximizes investment protection with a smooth migration path from TDM and/or H.323 to SIP, allowing enterprises to deploy SIP telephony alongside existing analog, digital (DCP), and IP telephones.
- Enhances productivity and collaboration with support for standards-based presence and IM, allowing employees to quickly switch communications from IM to voice.
- Connects survivable SIP phones and low cost third-party SIP gateways for small branches.

### Feature Summary

Avaya Aura SIP Enablement Services adds standards-based SIP proxy, registrar, location and event server capabilities to Avaya Aura Communication Manager, Avaya Aura Branch Edition, and Avaya IP Office deployments. These capabilities SIP-enable a wide array of communication services for the enterprise.

**SIP Telephony Features:** Avaya Aura SIP Enablement Services extends the power of Avaya Aura Communication Manager to SIP-based stations, providing a smooth migration path into SIP telephony while maximizing investment protection.

- Supports a wide range of Avaya and third-party SIP phones.
- Enables smaller hardware footprint compared to traditional H.323, digital, and analog deployments.

**SIP Trunking Features:** Enables the connection of Avaya Aura Communication Manager and Avaya IP Office systems to carrier-based SIP



trunks, as well as inter-connecting Avaya Aura Communication Manager Branch systems. This provides a more cost-effective option for leveraging the WAN and reduces the number of PSTN terminations required.

- SIP trunking can be deployed with a much smaller hardware footprint compared to traditional T1 and analog trunks, significantly reducing recurring operational and maintenance expenses.

#### **Avaya Aura SES Home Server Features:**

Extends the power of Avaya Aura Communication Manager to Avaya SIP telephones including the 9620, 9630, 9630G, 9640, 9640G, 4602SW, 4610SW, 4620SW, 4621SW and certified third-party SIP telephones.

- Provides Avaya Aura Communication Manager station information such as line appearances and feature buttons to Avaya 9620, 9630/G, 9640/G SIP and Avaya Agent Deskphone 16CC telephones via the bundled Personal Profile Manager web-application.
- Supports Presence and Instant Messaging, including the ability for users to control access to their presence information via a Web interface.
- Provides connectivity and routing for SIP-based Avaya Meeting Exchange, Avaya Modular Messaging, Avaya Voice Portal, and other similar applications.

#### **Avaya Aura SES Edge Server Features:**

Provides centralized administration.

- Routes SIP signaling between Home servers.
- Provides SIP trunking for up to 2,000 Avaya Aura Communication Manager, Avaya Aura Communication Manager Branch, and Avaya IP Office-based locations.

#### **Avaya Aura SES Combo Server Features:**

Combines the Home and Edge functions.

- Ideal for midsize enterprises with up to 6,000 SIP users when deployed on an Avaya S8500, S8510, or S8800 server platforms (see design rules for actual capacities based on configuration and server).
- Ideal for small-to-midsize enterprises and small-or-large standalone remote offices with 100 SIP stations or fewer when embedded with Avaya Aura Communication Manager on the Avaya S8300C server or 450 SIP stations or fewer when embedded with Avaya Aura Communication Manager on the Avaya S8300D server.

## **Technical Specifications**

#### **Deployment Options:**

- As a network appliance on S8300, S8500, S8510 and S8800 series servers
- As a standalone application on S8500, S8510 and S8800 servers
- As an embedded component of Avaya Aura Communication Manager 5.0 and later on S8300C or S8300D (ICC only) servers

#### **Requirements and Supported Systems**

- Servers:
  - S8800 and S8300D (new deployments)
  - S8510, S8500C, S8300C (upgrades only)
- Operating System: Red Hat Enterprise Linux 5

#### **Capacity**

- Up to 2,000 subtending nodes in the form of Home Servers, Avaya Aura Communication Manager Branch,

AudioCodes, or Avaya IP Offices nodes supported by a single Edge server

- Up to 6,000 users per Home server (see design rules for actual capacities based on configuration and server)
- A single Avaya Aura SES Home Server supports multiple stand-alone Avaya Aura Communication Manager nodes

#### **Standards Support**

- Security: SIP TLS Signaling Encryption, User Authentication, HTTPS
- Supports: SIP Telephony, SIP Trunking, SIP/SIMPLE Presence and Instant Messaging, SIP-based Private Networking, SIP Interoperability
- SIP Functions: Proxy, Registrar, Location Server, Presence / Event Server

#### **Product Compatibility**

- Avaya Products
  - Aura Communication Manager, Modular Messaging, Meeting Exchange, Voice Portal, Interaction Center, Quick Edition, IP Office, Aura Communication Manager Branch, 9600 / 4600 / Avaya Agent Deskphone 16CC, IP Softphone/ Agent, one-X™ Desktop
- Avaya DevConnect Certified SIP Service Providers
- Avaya DevConnect Certified Third-Party Proxies, Devices, Endpoints

## **Learn More**

To learn more about Avaya Aura SIP Enablement Services contact to your Avaya Account Manager or Authorized Partner. Also, visit us at [www.avaya.com](http://www.avaya.com).

## **About Avaya**

Avaya is a global leader in enterprise communications systems. The company provides unified communications, contact centers, and related services directly and through its channel partners to leading businesses and organizations around the world. Enterprises of all sizes depend on Avaya for state-of-the-art communications that improve efficiency, collaboration, customer service and competitiveness. For more information please visit [www.avaya.com](http://www.avaya.com).



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