

## Comparison of Avaya Aura SIP Enablement Services and Avaya Aura Session Manager 6.X

COMPAS ID 146997  
January 20, 2011

Category	Capability	SES 5.2.1 SP4 (Feb 2011)	SM 6.1
<b>General</b>	Ability to Support Sequenced Applications	No	Yes
	Support for Multiple SIP Domains	No	Yes, 1000
<b>Management, Monitoring</b>	Central Management Platform	SES Edge (Master	Avaya Aura System Manager
	Single location for end-point provisioning	No	Yes
	Performance Monitoring w Graphs, Memory, Temperature Reporting	No	Yes
	SIP Entity Performance Monitoring w Graphs	No	Yes
	Bulk Data Import of Users, Routing	No	Yes
<b>Performance, Capacity</b>	Maximum Number of 96xx SIP Phones	*4,500 SIP/TLS Per SES Home (S85xx/S88xx) S8300D - 450 Stations S8300C - 100 Stations	Up to 100,000 SIP/TLS, 12,000 per SM with N+1 (10 SM instances total)
	Maximum Call Processing	~20,000 BHCC	300,000 BHCC per SM instance
	Maximum Number of Load Balancing Groups	300	25,000
<b>Endpoints</b>	96X0 SIP	Yes	Yes
	96X1 SIP	No	Yes
	46XX SIP	Yes	Yes
	11XX SIP	No	Yes
	12XX SIP	No	Yes
	One-X Communicator SIP	Yes	Yes
	Avaya 1000 Series Video Devices	No	Yes
	ADVD With Flare Experience	No	Yes
	1603SW-I SIP	No	Yes
Tested Third Party SIP Endpoints	Yes	Yes	
<b>Security</b>	Denial of Service Protection	No	Yes
	Security Module (SIP Firewall)	No	Yes
	Signalling Overload Protection	No	Yes
	Dedicated SIP Signaling & Management NIC	No	Yes
	Black and White Access List	No	Yes
<b>Redundancy, Reliability</b>	Data Center Geo-Redundancy	No	Up to 10 Data Centers, Geo-Redundant
	Service Architecture	Active-Standby	Active-Active
	Redundancy Architecture	1+1	N+1
	NIC "Teaming" 802.3ad	No	Yes
	Dual Power Supplies w/Alarms	No	Yes
	Triple Simultaneous Endpoint Registrations - RFC 5626	No	Yes
Branch Survivability	No	Yes - 250 Branches	
<b>Presence</b>	Presence Integration	Included in SES - no PS Support	PS Supported
	User Searching for Contacts based on Name, Number, Address, etc.	Limited	Yes
<b>Hardware</b>	Hardware Support	S8500B, S8500C, S8510, S8800, S8300C/D, HP DL370	S8510, S8800 S8300D, Dell 610, HP DL370
<b>Routing</b>	Regular Expressions for Call Routing	Yes	Yes
	Numeric Pattern Matching (closest digit match) for Call Routing	No	Yes
	Ability to Add/Delete Digits for PAI Header (ingress/egress)	No	Yes
	Digit Manipulations on Request URI (for dial plans, displays, etc.)	No	Yes
	Security Module (SIP Firewall)	No	Yes
	Ability to route based on source (location)	No	Yes
	Ability to route based on SIP domain	No	Yes
	Alternate / Time of Day / Least Cost Routing	No	Yes

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	Changes to To and From Fields	No	Yes
	Add/Remove/Translate Remote Party ID Header	No	Yes
	Add/Remove/Translate Diversion Header	No	Yes
	Configurable SIP response codes for entity routing behavior	No	Yes
	Support for alternate routes if primary is unreachable (alternate route policies)	No	Yes

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<b>Maintenance</b>	Ability to Verify Routing Decision Process (via GUI)	No	Yes
	SIP Monitoring Options Health Checks and viewable SIP entity health state (Active/Reactive Checks)	No	Yes
	Configurable SIP Options Check & Intervals	No	Yes
	Advanced TLS Status, Registration Displays	No	Yes
	Administrative Ability to Configure SIP Timer B	No	Yes
<b>Interoperability</b>	Third Party PBX Integration	Yes (limited)	Yes
	SIP Adaptations/Protocol Normalization	No	Yes
	Requires CM "classic" 5.1.2 or greater for direct SIP connectivity (Note:SES is not supported with CM 6.0 or greater)	No (CM 3.1.2 or greater - CM 5.2.1 strongly recommended)	Yes (CM 5.2 or greater strongly recommended)
	Global SP SIP Compliance Program (GSSCP) Reference Platform	No	Yes
	Replacement of Nortel NRS	No	Yes
	Integration tested with the Avaya Aura™ Session Border Controller 6.0	No	Yes
<b>Load Balancing</b>	Load Balancing Across SIP Application Servers	Yes (Adjunct System / Round Robin)	Yes (Statistical Load Balancing with weights and priorities)
	Load Balancing with DNS SRV Records - RFC 2782	No	Yes
	Load Balancing based on patterns vs. literals (exact match)	No	Yes
	Dynamically add or remove SIP Application Servers from pool based on OPTIONS messages	No	Yes
<b>Call Admission Control</b>	Voice Call Admission Control	No	Yes
	Call Admission Control With Voice/Video Sharing	No	Yes
	Call Admission Control With Voice/Video with Auto Downspeeding of Video BW	No	Yes
<b>Reporting</b>	CDR Capabilities	No	Yes

\* For SES running on an S8500B/C with 96xx SIP endpoints 2,150 registered end-points per Home