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GVP HSG Pages

PSTN Connector and SSG Capacity Testing

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These two tables (for PSTN Connector and SSG Capacity) describe the capacity testing for overall system performance when the PSTN Connector or Supplementary Services Gateway components are tested with multiple Media Control Platform instances. In addition, CPUs of varying types and speeds were used for testing on Windows, and are specified for each application.

Table: PSTN Connector Testing

Application Type	Hardware	Peak CAPS	Peak Ports	Comments
PSTN Connector (Windows)				
PSTN Connector <i>VoiceXML_App1</i>	2x Xeon 3.0 GHz	N/A	8 T1/E1 spans	Tested with two DMV boards.
PSTN Connector <i>VoiceXML_App3</i>	2x Xeon 3.0 GHz	N/A	8 T1/E1 spans	Tested with two DMV boards.
PSTN Connector (Linux)				
PSTN Connector <i>VoiceXML_App1</i>	2x Xeon 3.0 GHz	N/A	8 T1/E1 spans (ISDN only)	Tested with two DMV boards. (RHEL 5.8 x86 only)
PSTN Connector <i>VoiceXML_App3</i>	2x Xeon 3.0 GHz	N/A	8 T1/E1 spans (ISDN only)	Tested with two DMV boards. (RHEL 5.8 x86 only)

Table: SSG Capacity Testing

Application Type	Hardware	Peak CAPS	Peak Ports	Comments
Supplementary Services Gateway (Windows)				
Supplementary Services Gateway (SSG) outbound call application	2x Core2Quad Xeon E5335 2.53GHz	65	N/A	The SSG makes outbound calls through SIP Server, which becomes the overall system bottleneck. Multiple Media Control Platform instances are required to achieve peak capacity. GVP 8.1.5 with SIP Server 8.1.0 or later.
SSG outbound call application	2x Core2Quad Xeon E5335	50	N/A	The SSG makes outbound calls

Application Type	Hardware	Peak CAPS	Peak Ports	Comments
	2.53GHz			through SIP Server which becomes the overall system bottleneck. Multiple Media Control Platform instances are required to achieve peak capacity. GVP 8.1.3 or 8.1.4 with SIP Server 8.0.4 or later.
SSG outbound call application	2x Core 2 Quad Xeon x5355, 2.66 GHz	40	N/A	The SSG makes outbound calls through SIP Server which becomes the overall system bottleneck. Multiple Media Control Platform instances are required to achieve peak capacity. Pre-GVP 8.1.3 with SIP Server 8.0.3.
Supplementary Services Gateway (Linux)				
Supplementary Services Gateway (SSG) outbound call application	2x Quad Core Xeon E5335 @ 2.00GHZ, 4 GB RAM, 67 GB SAS hdd	66	N/A	The SSG makes outbound calls through SIP Server, which becomes the overall system bottleneck. Multiple MCP instances are required to achieve peak capacity. GVP 8.1.5 on RHEL 5.x with SIP Server 8.1.000.54.
SSG outbound call application (overall system) performance, with multiple MCPs)	2x Core2Quad Xeon E5335 2.00GHz	64 CAPS (overall system)	N/A	SSG makes outbound calls via SIP Server which becomes the bottleneck overall system. Multiple MCPs are required to achieve peak capacity. GVP 8.1.7 on RHEL

Application Type	Hardware	Peak CAPS	Peak Ports	Comments
				6.4 x64 with SIP Server 8.1.1.
SSG outbound call application	2x Quad Core Xeon E5335 @ 2.53GHZ, 4 GB RAM, 67 GB SAS hdd	50	N/A	The SSG makes outbound calls through SIP Server which become the overall system bottleneck. Multiple Media Control Platform instances are required to achieve peak capacity. GVP 8.1.3 and 8.1.4 releases with SIP Server 8.0.4.
SSG outbound call application	2x Core 2 Quad Xeon x5355, 2.66 GHz	40	N/A	The SSG makes outbound calls through SIP Server which become the overall system bottleneck. Multiple Media Control Platform instances are required to achieve peak capacity. Pre-GVP 8.1.3 with SIP Server 8.0.3.