GVP HSG Pages

Media Control Platform Capacity Testing (Physical Servers Running Linux)

12/14/2025

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Application Type (Linux)	Hardware	Maximum CAPS	Tested Ports	Comments
Audio bridge transfer G711u <-> G711u (baseline)(~117 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	9.4	1100	Bi-directional audio streams. Tested on Linux RH EL5.
Transcoding with bridge transfer – G.711u <-> G.722(~117 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	3	350	Bi-directional transcoding. Tested on Linux RH EL5.
Transcoding with bridge transfer – G.711u <-> G.726(~117 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	2	240	Bi-directional transcoding. Tested on Linux RH EL5.
Transcoding with bridge transfer – G.711u <-> G.729(~117 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	2	240	Bi-directional transcoding. Tested on Linux RH EL5.
Transcoding with bridge transfer – G.711u <-> AMR-WB(~117 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	2	240	Bi-directional transcoding. Tested on Linux RH EL5.
Transcoding with bridge transfer – G.711u <-> AMR(~117 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	1.7	200	Bi-directional transcoding. Tested on Linux RH EL5.
SRTP with bridge transfer – G.711u(~67 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	22.4	1500	The capacity is the same for RTP and SRTP of both encryption and decryption. One direction audio stream. Tested on RH EL5.
SRTP with bridge transfer – 3gp of H.264 video (352x288) + AMR audio (~125	Quad-Core Xeon x5355 2.66 GHz	3.2	400	The capacity is the same for RTP and SRTP of both encryption and decryption. One

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seconds duration)				direction RTP stream. Tested on RH EL5 x64.
MSML CPD + VXML dialog (helloworld)(8 seconds overall call duration which includes 2.5 seconds CPD time)	Quad-Core Xeon x5355 2.66 GHz	40	n/a	CPD enabled within MSML which also invoke a VXML dialog using default helloworld page. VXML dialog will start after CPD result returned the result of human successfully.
Netann announcement – 3 seconds audio	Quad-Core Xeon x5355 2.66 GHz	120 (preferred) 200 (peak)	500 (preferred) 1100 (peak)	Preferred – with call setup + call tear down latency < 1sec (500ms each) Peak – ignore call setup/tear down delay
Netann Play Treatment – G.711u(~60 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	30	1800	No transcoding.
Netann Play Treatment – video h263(+)(~120 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	10	1200	No transcoding.
Netann Play Treatment – video 3gp/avi (h263)(~120 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	8.3	1000	No transcoding.
Netann Recording Single Call – G.711u (raw, au & wav), G.722, G.726(~120 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	8.3	1000	The capacity is the same for G.711u, G.722 & G.726.
Netann Recording Single Call – G.729, AMR(~120 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	5.8	700	The capacity is the same for G.729 & AMR.
Netann Recording Single Call – AMR-WB(~120 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	6.6	800	
Netann Recording Single Call – video	Quad-Core Xeon x5355 2.66 GHz	4.2	500	

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raw h263(+)(~120 seconds duration)				
Netann Recording Single Call – video avi (h263+G.711u)(~120 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	4	480	
Netann Recording Single Call – video 3gp (h263+amr)(~120 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	2	240	
Netann Recording Single Call – video raw h264(~120 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	2	250	
Netann 2 party Call Recording - G.711u (~60 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	11	660 call legs (330 recording sessions)	
MSML Play announcement – one prompt (SIP INFO), one audio file - 3 seconds	Quad-Core Xeon x5355 2.66 GHz	80	260	Call duration 3.13 seconds and GVP precheck is on.
MSML Play announcement – one prompt (SIP INFO), one audio file - 10 seconds	Quad-Core Xeon x5355 2.66 GHz	200	2000	Call duration 10.34s and GVP precheck is off.
MSML Play announcement – one prompt (SIP INFO), two audio files – 4 + 6seconds	Quad-Core Xeon x5355 2.66 GHz	200	2000	Call duration 10.34s and GVP precheck is off.
MSML Play announcement – two prompts (SIP INFO), two audio file – 4 + 6 seconds, one file per prompt.	Quad-Core Xeon x5355 2.66 GHz	130	1400	Call duration 10.46s and GVP precheck is off.
MSML Play announcement – one prompt (SIP INFO), one audio file - 20 seconds	Quad-Core Xeon x5355 2.66 GHz	150	3000	Call duration 20.34s and GVP precheck is off.
MSML Play announcement –	Quad-Core Xeon x5355 2.66 GHz	130	2600	Call duration 20.35s and GVP

Application Type (Linux)	Hardware	Maximum CAPS	Tested Ports	Comments
one prompt (SIP INFO), three audio files – 4+6+10 seconds				precheck is off.
MSML Play announcement – three prompts (SIP INFO), three audio filed – 4+6+10 seconds, one file per prompt	Quad-Core Xeon x5355 2.66 GHz	100	2000	Call duration 20.60s and GVP precheck is off.
MSML Conference (all participants using the same codec – G711u) 3-party; ~60 seconds duration)	Quad-Core Xeon x5355 2.66 GHz	6	360 participants (120 conference sessions)	The capacity is the same for G.711u, G.729, or GSM.

Note:

- *Preferred* means the highest capacity that the system can sustain while maintaining optimal user experience.
- *Peak* means the highest capacity that the system can sustain regardless of the user experience.