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GVP HSG Pages

Media Control Platform / Media Server Capacity Testing (Virtual Servers)

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Application Type	Hardware	Peak CAPS	Peak Ports	Comment
Windows				
Video bridge transfer (H264 + AMR, 720P, 30fps, 1Mbps, level 3.1, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	6	400 calls	Unidirectional rtp (video + audio) stream. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 + AMR, 30fps, 1Mbps, level 3.1, 720P -> CIF, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	0.11	8 calls	Unidirectional down scale transcoding. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 + AMR, 30fps, 1Mbps, level 3.1, 720P -> QCIF, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	0.21	16 calls	Unidirectional down scale transcoding. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video bridge transfer (H264 + AMR, VGA, 30fps, 1Mbps, level 3.0, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	7.2	500 calls	Unidirectional rtp (video + audio) stream. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 + AMR, 30fps, 1Mbps, level 3.0, VGA -> CIF, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	0.43	30 calls	Unidirectional down scale transcoding. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 +	1x Six-Core Xeon X5675 3.06GHz	0.72	50 calls	Unidirectional down scale transcoding.

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AMR, 30fps, 1Mbps, level 3.0, VGA -> QCIF, 70 seconds duration)				Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video bridge transfer (H264 + AMR, CIF, 30fps, 256Kbps, level 2.0, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	11.3	800 calls	Unidirectional rtp (video + audio) stream. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 + AMR, 30fps, 256Kbps, level 2.0, CIF -> QCIF, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	1.43	100 calls	Unidirectional down scale transcoding. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video bridge transfer (H264 + AMR, VGA, 60fps, 1Mbps, level 3.0, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	4.3	300 calls	Unidirectional rtp (video + audio) stream. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video bridge transfer (H264 + AMR, VGA, 60fps, 1Mbps, level 3.1, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	6.43	450 calls	Unidirectional rtp (video + audio) stream. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 + AMR, VGA 1Mbps, level 3.1, 60fps -> 30fps, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	0.43	30 calls	Unidirectional down scale transcoding. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 + AMR, VGA, 1Mbps, level 3.1, 60fps -> 15fps, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	0.13	9 calls	Unidirectional down scale transcoding. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.

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Video bridge transfer (H264 + AMR, VGA, 30fps, 1Mbps, level 3.0, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	6	420 calls	Unidirectional rtp (video + audio) stream. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 + AMR, VGA 1Mbps, level 3.0, 30fps -> 15fps, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	0.34	24 calls	Unidirectional down scale transcoding. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 + AMR, CIF, 30fps, 1.5Mbps -> 500Kbps, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	0.5	35 calls	Unidirectional down scale transcoding. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 + AMR, CIF, 30fps, 1Mbps -> 192Kbps, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	1.12	80 calls	Unidirectional down scale transcoding. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
Video transcoding with bridge transfer (H264 + AMR, CIF, 30fps, 500Kbps -> 192Kbps, 70 seconds duration)	1x Six-Core Xeon X5675 3.06GHz	2	140 calls	Unidirectional down scale transcoding. Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML CPA Answer Machine (~12.8 seconds duration)	2x Six-Core Xeon X5675 3.06GHz	150	n/a	MSML CPA only. Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML CPA Busy Machine (~7.7 seconds duration)	2x Six-Core Xeon X5675 3.06GHz	120	n/a	MSML CPA only. Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.

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MSML CPA Fax Machine (6.3 seconds duration)	2x Six-Core Xeon X5675 3.06GHz	140	n/a	MSML CPA only. Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML CPA Human Machine (7.8 seconds duration)	2x Six-Core Xeon X5675 3.06GHz	170	n/a	MSML CPA only. Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML CPA SIT VC Machine (2.3 seconds duration)	2x Six-Core Xeon X5675 3.06GHz	130	n/a	MSML CPA only. Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec G711, 120 seconds duration)	2x Quad-Core Xeon E5620 2.40GHz	50	6000 calls	Tested on 4 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement, (MP3, Any KHz, Any Kb, Cache enabled, Negotiated codec G711, 120 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	60	7200 calls	Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement, (MP3, 320Kbit, 44.1KHz, Cache disabled, Negotiated codec: G.711, 120 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	18	2160 calls	Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (MP3, 92Kbit, 32KHz, Cache disabled, Negotiated codec: G.711, 120 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	25	3000 calls	Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (MP3, 92Kbit, 32KHz Negotiated codec: G.711, 120 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	13	1560 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.

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seconds duration)				
MSML Play Announcement (MP3, 320Kbit, 44.1KHz, Negotiated codec: G.711, 120 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	12	1440 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H263 and AMR, CIF, 128Kbps 10fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	25	1500 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec AMR and H263 CIF, 512Kbps 30fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	8.5	500 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H263 and AMR, 4CIF, 512Kbps 10fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	23	1380 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H263 and AMR, 4CIF, 2Mbps 30fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	8	480 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H264 and AMR, CIF, 128Kbps 10fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	25	1500 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H264 and AMR, CIF, 256Kbps 15fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	17	1000 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H264 and AMR, CIF, 512Kbps 30fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	8.5	500 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play	1x Six-Core Xeon	22	1300 calls	Tested on 3 VMs of

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Announcement (Codec H264 and AMR, 4CIF, 512Kbps 10fps, 60 seconds duration)	X5670 2.93GHz			EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H264 and AMR, 4CIF, 1Mbps 15fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	16	960 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H264 and AMR, 4CIF, 2Mbps 30fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	7.5	450 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H264 and AMR, 720P, 1Mbps 10fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	19	1100 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H264 and AMR, 4CIF, 2Mbps 15fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	9	540 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement (Codec H264 and AMR, 4CIF, 4Mbps 30fps, 60 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	4	240 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement, (Codec H264 and AMR, 720P, 4Mbps 30fps, 60 seconds duration, no transcoding)	2x Hex-Core Xeon X5675 3.06GHz	2.5	150 calls	Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement, (Codec H264 and AMR, 3gp file 720P, 4Mbps 30fps, high profile level 3, transcoding, cache disabled, 60 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	0.2	12 calls	Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.

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MSML Play Announcement, (Codec H264 and AMR, 3gp file 720P, 4Mbps 30fps, high profile level 3, transcoding to main profile level 2 CIF, cache enabled, 60 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	16.6	1000 calls	Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement, (Codec VP8 and G.711, avi file, VGA, 30fps 60 seconds duration, non-transcoding)	2x Hex-Core Xeon X5675 3.06GHz	20	2400 calls	Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement, (Codec VP8 and G.711, avi file, CIF, 30fps 60 seconds duration, non-transcoding)	2x Hex-Core Xeon X5675 3.06GHz	30	3600 calls	Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play Announcement, (Codec VP8 and G.711, avi file, QCIF, 20fps 60 seconds duration, non-transcoding)	2x Hex-Core Xeon X5675 3.06GHz	40	4800 calls	Tested on 6 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Play and Digit Connect (Codec G711 and SIP INFO Digit, 34 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	50	1700 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Record (MP3, 96Kbit, 32KHz, 120 seconds duration)	1x Six-Core Xeon X5670 2.93GHz	3	360 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Record (MP3, 320Kbit, 48KHz, 120 seconds duration)	1x Hex-Core Xeon X5670 2.93GHz	2	240 calls	Tested on 3 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1. One MCP per VM.
MSML Conference (32 participants per conference, all speakers. Each	2x Quad-Core Xeon E5620 2.40GHz	2.6	768 participants (24 conference sessions)	Tested on 4 VMs of EXSi 5.0, Guest OS Windows 2008 Server R2 x64 SP1.

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participant stays and speaks (300 secs in the conference. Codec G.711)				One MCP per VM.
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Linux				
MSML Play Announcement, (Codec G711, 120 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	60	7200 calls	Tested on 6 VMs of EXSi 5.0, Guest OS RHEL 5.8 x64. One MCP per VM.
MSML Play Announcement, (Codec G711, 120 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	24	2880 calls	Tested on 6 VMs of EXSi 5.0, Guest OS RHEL 6.4 x64. One MCP per VM. Play cache enabled as default. GVP 8.1.7 or later.
MSML Play Announcement, (Codec G711, 120 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	42	5040 calls	Tested on 6 VMs of EXSi 5.0, Guest OS RHEL 6.4 x64. One MCP per VM. Play cache disabled. GVP 8.1.7 or later.
MSML Play Announcement, (MP3, Any KHz, Any Kb, Cache enabled, Negotiated codec G711, 120 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	60	7200 calls	Tested on 6 VMs of EXSi 5.0, Guest OS RHEL 5.8 x64. One MCP per VM.
MSML Play Announcement, (MP3, 320Kbit, 44.1KHz, Cache disabled, Negotiated codec: G.711, 120 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	16	1920 calls	Tested on 6 VMs of EXSi 5.0, Guest OS RHEL 5.8 x64. One MCP per VM.
MSML Play Announcement (MP3, 92Kbit, 32KHz, Cache disabled, Negotiated codec: G.711, 120 seconds duration)	2x Hex-Core Xeon X5675 3.06GHz	23	2760 calls	Tested on 6 VMs of EXSi 5.0, Guest OS RHEL 5.8 x64. One MCP per VM.