



Gartner Inquiry Service

Reference: 5200526

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Analyst: Jean-Claude Delcroix

Client: Dave Vorhaus, FCC

Question

Bandwidth model group	Particular application	Application Use	
		Low	Medium
Mail & Information	Email	x	x
Internet	Browsing	x	x
Transactions	E-commerce	x	x
File Transfer	File transfer		
Video	Web conferencing	x	x
Internet	Extranets		
Video	Video streaming		
Transactions	Cloud computing services		
Transactions	Customer Relationship Management (CRM)		x
Transactions	Sales Force Automation (SFA)		x
Transactions	Supply Chain Management (SCM)		x
Transactions	Enterprise Resource Planning (ERP)		
File Transfer	Server virtualization		
VoIP	VoIP	x	x
File Transfer	Online Backup - continuous update - no restore		x
Video	Video conferencing		
File Transfer	Networked storage (Storage Area Networking)		
Custom App	Business continuity and disaster recovery - 5,76 GB for each user restored over 8 hours		

Answer

Scenario LOW

Results

Base for Procurement

Profile	c1	2009	2010
Site Population in Period 1	Connected Users in Period 1	Required Bandwidth	
2000	1400	77.781	85.632
500	350	19.573	21.570
250	176	9.048	9.983

100	69	3.633	4.025
50	35	1.864	2.060
30	21	1.146	1.270
20	15	0.778	0.865
10	6	0.392	0.441
5	4	0.243	0.277
3	2	0.155	0.178
1	1	0.100	0.114
1	1	0.055	0.064

Scenario Medium Results		Site Profile B2 Base for Procurement		
Profile		b2	2009	2010
Site Population in Period 1		Connected Users in Period 1	Required Bandwidth	
2000		1400	529.453	593.231
500		350	133.366	149.598
250		176	61.907	69.580
100		69	24.934	28.128
50		35	12.677	14.274
30		21	7.837	8.849
20		15	5.379	6.097
10		6	2.724	3.113
5		4	1.726	1.995
3		2	1.098	1.257
1		1	0.668	0.741
1		1	0.430	0.516

Scenario High Results		Site Profile A2 Base for Procurement		
Profile		A1	2009	2010
Site Population in Period 1		Connected Users in Period 1	Required Bandwidth	
2000		1400	1953.939	2208.525
500		350	497.175	563.195
250		176	233.045	265.094
100		69	96.875	110.946
50		35	46.509	52.692
30		21	28.804	32.703
20		15	19.735	22.535
10		6	10.298	11.865
5		4	6.598	7.688
3		2	3.985	4.677
1		1	2.493	2.886
1		1	1.493	1.791

As part of our ongoing research and advisory services, we will be pleased to elaborate on this response to your i

Gartner Client Support Group

EMEA

AMERICAS

APAC

JAPAN

+44 1784 267770

+1 203 316 1200

+61 7 3243 1567 +81 3 3481 3673

euro.inquiry@gartner.com

inquiry@gartner.com

asiapac@gartner.com japan.inquiry@gartner.com

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Cases
High
X
X
X
X
X
X
X
X
X
X
X
X
X
X
X

2011	2012	2013	2014	AGR
dth per Site in Mbps (Minimum to Procure)				
94.697	105.206	117.448	131.756	11.1%
23.878	26.559	29.685	33.345	11.2%
11.067	12.329	13.807	15.551	11.4%

This is 78 Mbps in 2009

4.482	5.019	5.652	6.402	12.0%
2.289	2.556	2.869	3.237	11.7%
1.414	1.583	1.782	2.017	12.0%
0.967	1.089	1.234	1.408	12.6%
0.499	0.569	0.652	0.754	14.0%
0.318	0.367	0.427	0.501	15.5%
0.207	0.242	0.285	0.338	16.9%
0.131	0.151	0.176	0.206	15.5%
0.076	0.090	0.109	0.133	19.4%

This is 55 Kbps in 2009 Light user



2011	2012	2013	2014	AGR
dth per Site in Mbps (Minimum to Procure)				
666.885	752.272	851.654	967.790	12.8%
168.385	190.219	215.699	245.560	13.0%
78.490	88.881	101.051	115.367	13.3%
31.858	36.280	41.520	47.751	13.9%
16.134	18.311	20.871	23.893	13.5%
10.032	11.424	13.066	15.014	13.9%
6.941	7.938	9.122	10.532	14.4%
3.575	4.126	4.787	5.583	15.4%
2.331	2.747	3.260	3.894	17.7%
1.495	1.791	2.163	2.630	19.1%
0.871	1.030	1.229	1.476	17.2%
0.624	0.761	0.934	1.154	21.8%

This is 529 Mbps in 2009

This is 430 Kbps in 2009 Light user



2011	2012	2013	2014	AGR
dth per Site in Mbps (Minimum to Procure)				
2503.568	2847.084	3250.190	3723.870	13.8%
639.998	729.742	835.090	959.683	14.1%
302.640	346.842	399.136	461.306	14.6%
127.583	147.395	171.180	199.784	15.6%
59.869	68.232	78.016	89.505	14.0%
37.300	42.716	49.105	56.679	14.5%
25.826	29.711	34.319	39.808	15.1%
13.726	15.948	18.612	21.819	16.2%
8.998	10.580	12.497	14.831	17.6%
5.525	6.563	7.839	9.413	18.8%
3.361	3.930	4.614	5.440	16.9%
2.164	2.633	3.224	3.973	21.6%

This is 1954 Mbps in 2009

This is 1493 Kbps in 2009 Light user



inquiry, and to provide further assistance as you progress with your work