

Metrics

Metric no.	Description	Target	4th Quarter 2008								3rd Quarter 2008							
			LondonGrid	ScotGrid	SouthGrid	NorthGrid	Lancaster	Liverpool	Manchester	Sheffield	LondonGrid	ScotGrid	SouthGrid	NorthGrid	Lancaster	Liverpool	Manchester	Sheffield
4.x.1	% of promised (by that time) disk available to GridPP	1	305.39%	206.98%	194.81%	109.99%	203.92%	92.55%	43.49%	100.00%	290.99%	53.33%	114.62%	111.78%	93.37%	92.55%	161.19%	100.00%
4.x.2	% of promised (by that time) CPU available	1	957.43%	308.20%	243.91%	351.78%	230.68%	161.89%	161.19%	853.33%	945.89%	106.64%	194.08%	201.56%	230.68%	112.08%	43.49%	420.00%
4.x.3	Average SAM (SLL page) availability performance over the last quarter	95% averaged over sites in Tier-2	82.71%	93.00%	92.40%	92.15%	81.65%	97.84%	92.32%	96.80%	76.29%	91.00%	92.40%	95.25%	94.00%	93.00%	98.00%	96.00%
4.x.4	Average SAM (SLL page) reliability performance over the last quarter	95% averaged over sites in Tier-2	89.14%	97.60%	93.34%	92.53%	82.38%	98.63%	92.32%	96.80%	91.86%	96.10%	93.34%	96.50%	94.00%	98.00%	98.00%	96.00%
4.x.5	Average SLL untargeted ATLAS test performance (UK test)	95% averaged over sites in Tier-2	55.33%	92.00%	90.60%	100.00%	100.00%	100.00%	100.00%	100.00%	49.57%	96.00%	90.60%	100.00%	100.00%	100.00%	100.00%	100.00%
4.x.6	Average SLL SE test performance	95% averaged over sites in Tier-2	79.43%	91.00%	91.50%	93.75%	93.00%	94.00%	94.00%	94.00%	84.29%	92.67%	91.50%	93.75%	93.00%	94.00%	94.00%	94.00%
4.x.7	Approx. CPU utilisation (wall clock time)	0.5	37.65%	62.39%	34.61%	39.30%	10.20%	51.46%	19.30%	76.24%	29.27%	55.67%	32.16%	44.94%	36.58%	48.45%	16.03%	78.70%
4.x.8	Approx. CPU utilisation (CPU time)	0.5	27.42%	51.04%	29.02%	35.03%	8.29%	47.06%	18.75%	66.02%	22.38%	47.39%	23.69%	36.59%	31.58%	38.96%	9.78%	66.02%
4.x.9	Percentage of disk used	0.5	24.16%	9.25%	12.40%	13.86%	19.81%	10.54%	22.35%	2.73%	50.00%	26.10%	21.12%	13.01%	19.81%	4.33%	22.35%	5.56%
4.x.10	Number of technical meetings held in last year	8	8	8	7	3	3	3	3	3	8	6	8	3	3	3	3	3
4.x.11	Number of management meetings held in last year	4	4	4	3	0	0	0	0	0	4	2	3	1	1	1	1	1
4.x.12	Tier-2 meeting LCG MoU service levels	Tier-2 responded to all LCG problems covered by the GridPP MoU in the agreed times over the last quarter	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.x.13	Quarterly operational performance review	Tier-2 quarterly report available by one month after the end of the quarter	Yes	Yes	Yes	Yes					No	Yes	Yes	Yes				
4.x.14	Middleware upgrading	100% of sites in Tier-2 upgrade to the timetable agreed by the DB	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.x.15	Network is OK at all sites	TBD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Resources

	4th Quarter 2008								3rd Quarter 2008							
	LondonGrid	ScotGrid	SouthGrid	NorthGrid	Lancaster	Liverpool	Manchester	Sheffield	LondonGrid	ScotGrid	SouthGrid	NorthGrid	Lancaster	Liverpool	Manchester	Sheffield
Total CPU Hours	6,366,280	2,390,292	2,687,419	1,931,730	190,357	580,885	894,445	266,043	2,456,040	1,361,252	1,545,943	1,545,636	332,062	480,922	466,609	266,043
Total Wall Hours	8,225,870	2,921,496	3,199,958	2,096,875	234,110	635,161	920,368	307,236	3,135,507	1,599,092	1,978,915	2,064,370	384,627	598,037	764,590	317,116
GridPP CPU (kSI2K)	7,420	3,760	3,583	3,942	1,040	559	2,160	183	6,847	1,301	2,851	3,378	476	559	2,160	183
GridPP Storage (TB)	852	596	620	518	200	130	162	26	735	154	365	465	200	90	162	13
Utilisation of site CPU hours (%)	38.86%	51.04%	33.97%	22.20%	8.29%	47.06%	18.75%	66.02%	16.30%	47.39%	24.56%	20.72%	31.58%	38.96%	9.78%	66.02%
Utilisation of site Wall clock hours (%)	50.21%	62.39%	40.45%	24.09%	10.20%	51.46%	19.30%	76.24%	0.11%	55.67%	31.44%	27.68%	36.58%	48.45%	16.03%	78.70%