plication 1	Start Time:	0,00 Stop Time:	500,00	ime Units: Seconds
intity				
Time				
VA Time	Average	Half Width	Minimum	Maximu
Entity 1	1.0725	0,059427986	0.04939155	7.976
NVA Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,00000000	0	
Wait Time	Average	Half Width	Minimum	Maximu
Entity 1	0.2690	0,063619495	0	3.992
Transfer Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,000000000	0	
Other Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,000000000	0	
Total Time	Average	Half Width	Minimum	Maximu
Entity 1	1.3414	0,113934217	0.07298699	9.956
Other				
Number In	Value			
Entity 1	973			
Number Out	Value			
Entity 1	967			
WIP	Average	Half Width	Minimum	Maximu
Entity 1	2.6116	0,301768740	0	11.000

Model Filename: C:\Users\Hadrizia\Desktop\projeto_simulacao

Replication 1 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds

Queue

Time

Waiting Time	Average	Half Width	Minimum	Maximum
App 1 CPU.Queue	0.03981077	0,018499933	0	1.0128
App 1 Disk.Queue	0.07909881	(Insufficient)	0	1.2004
App 2 Disk.Queue	0.1397	(Insufficient)	0	2.7408
App 2 CPU.Queue	0.03523257	(Insufficient)	0	1.8635
App 3 Disk.Queue	0.1260	(Insufficient)	0	3.1273
App 3 GPU.Queue	0.08135109	0,031127475	0	1.5976
DB Server Cache.Queue	0.07020236	(Insufficient)	0	2.4275
DB Server CPU.Queue	0.02580074	0,006416353	0	0.8580
DB Server Disk.Queue	0.04234044	0,016770080	0	1.0371
Load Balancer.Queue	0.02617102	0,008892603	0	1.0480
Web Service CPU.Queue	0.02204952	0,005702610	0	0.5775

Other

Number Waiting	Average	Half Width	Minimum	Maximum
App 1 CPU.Queue	0.02914149	(Insufficient)	0	2.0000
App 1 Disk.Queue	0.01970417	(Insufficient)	0	1.0000
App 2 Disk.Queue	0.02654504	(Insufficient)	0	1.0000
App 2 CPU.Queue	0.02219652	(Insufficient)	0	3.0000
App 3 Disk.Queue	0.05545684	(Insufficient)	0	4.0000
App 3 GPU.Queue	0.1180	0,042663425	0	5.0000
DB Server Cache.Queue	0.02302637	(Insufficient)	0	2.0000
DB Server CPU.Queue	0.08390400	0,022375241	0	4.0000
DB Server Disk.Queue	0.05233278	(Insufficient)	0	3.0000
Load Balancer.Queue	0.05092880	0,017635038	0	5.0000
Web Service CPU.Queue	0.04303683	0,014450531	0	3.0000

Resource

2

Replication 1 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds

Resource

Instantaneous Utilization	Average	Half Width	Minimum	Maximum
Resource App 1 CPU	0.1716	0,025407682	0	1.0000
Resource App 1 Disk	0.1409	(Insufficient)	0	1.0000
Resource App 2 CPU	0.1565	0,030593714	0	1.0000
Resource App 2 Disk	0.1548	(Insufficient)	0	1.0000
Resource App 3 GPU	0.2634	0,035470696	0	1.0000
Resource App 3 Disk	0.1951	0,050281432	0	1.0000
Resource DB Server Cache	0.1475	(Insufficient)	0	1.0000
Resource DB Server CPU	0.2595	(Correlated)	0	1.0000
Resource DB Server Disk	0.2021	0,034894154	0	1.0000
Resource Load Balancer	0.1929	0,018306594	0	1.0000
Resource Web Service CPU	0.2031	(Correlated)	0	1.0000
Number Busy	Average	Half Width	Minimum	Maximum
Number Busy Resource App 1 CPU	Average 0.1716	Half Width 0,025407682	Minimum 0	<u>Maximum</u> 1.0000
Resource App 1 CPU	0.1716	0,025407682	0	1.0000
Resource App 1 CPU Resource App 1 Disk	0.1716 0.1409	0,025407682 (Insufficient)	0 0	1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU	0.1716 0.1409 0.1565	0,025407682 (Insufficient) 0,030593714	0 0 0	1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk	0.1716 0.1409 0.1565 0.1548	0,025407682 (Insufficient) 0,030593714 (Insufficient)	0 0 0 0	1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU	0.1716 0.1409 0.1565 0.1548 0.2634	0,025407682 (Insufficient) 0,030593714 (Insufficient) 0,035470696	0 0 0 0	1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource App 3 Disk Resource DB Server	0.1716 0.1409 0.1565 0.1548 0.2634 0.1951	0,025407682 (Insufficient) 0,030593714 (Insufficient) 0,035470696 0,050281432	0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server Cache	0.1716 0.1409 0.1565 0.1548 0.2634 0.1951 0.1475	0,025407682 (Insufficient) 0,030593714 (Insufficient) 0,035470696 0,050281432 (Insufficient)	0 0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server Cache Resource DB Server CPU	0.1716 0.1409 0.1565 0.1548 0.2634 0.1951 0.1475	0,025407682 (Insufficient) 0,030593714 (Insufficient) 0,035470696 0,050281432 (Insufficient) (Correlated)	0 0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000

Replic	ation 1	Start Time:	0.00 Stop Time:	500.00 Time Units: Seconds
11. 10 6 110	u	otart rimo.	O,OO Otop Time.	ooo,oo miilo omto. oooomao

Resource

Number Scheduled	Average	Half Width	Minimum	Maximum
Resource App 1 CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 1 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource App 2 CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 2 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource App 3 GPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 3 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server Cache	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource Load Balancer	1.0000	(Insufficient)	1.0000	1.0000
Resource Web Service CPU	1.0000	(Insufficient)	1.0000	1.0000
Scheduled Utilization	Value			
Resource App 1 CPU	0.1716			
Resource App 1 Disk	0.1409			
Resource App 2 CPU	0.1565			
Resource App 2 Disk	0.1548			
Resource App 3 GPU	0.2634			
Resource App 3 Disk	0.1951			
Resource DB Server Cache	0.1475			
Resource DB Server CPU	0.2595			
Resource DB Server Disk	0.2021			
Resource Load Balancer	0.1929			
Resource Web Service CPU	0.2031			

Replications: 5 **Unnamed Project** Replication 1 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds Resource **Usage Total Number Seized** Value Resource App 1 CPU 366.00 Resource App 1 Disk 120.00 Resource App 2 CPU 315.00 Resource App 2 Disk 95.0000 Resource App 3 GPU 725.00 Resource App 3 Disk 220.00 Resource DB Server 164.00 Cache Resource DB Server CPU 1,626.00 Resource DB Server Disk 618.00 Resource Load Balancer 973.00 Resource Web Service 968.00 CPU **System Other** Value **Number Out** System 967 Replication 2 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds

Entity

VA Time	Average	Half Width	Minimum	Maximum
Entity 1	1.1352	0.050463103	0.06167641	10.0022

amed Project				Replications: 5
plication 2	Start Time:	0,00 Stop Time:	500,00 Т	ime Units: Seconds
Entity				
Time				
NVA Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,00000000	0	
Wait Time	Average	Half Width	Minimum	Maximu
Entity 1	0.3059	0,041507627	0	5.577
Transfer Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,00000000	0	
Other Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,00000000	0	
Total Time	Average	Half Width	Minimum	Maximu
Entity 1	1.4411	0,081290150	0.06167641	11.060
Other				
Number In	Value			
Entity 1	1,051			
Number Out	Value			
Entity 1	1,048			
WIP	Average	Half Width	Minimum	Maximu
Entity 1	3.0313	0,228753337	0	11.000

Replications: 5

Unnamed Project

Replication 2 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds

Queue

Time

Waiting Time	Average	Half Width	Minimum	Maximum
App 1 CPU.Queue	0.03305382	0,017429337	0	1.4681
App 1 Disk.Queue	0.05558024	(Insufficient)	0	1.3301
App 2 Disk.Queue	0.2359	(Insufficient)	0	5.3271
App 2 CPU.Queue	0.05399406	0,022285725	0	1.1439
App 3 Disk.Queue	0.1389	(Insufficient)	0	2.0122
App 3 GPU.Queue	0.08261193	0,022759469	0	1.3141
DB Server Cache.Queue	0.06860365	(Insufficient)	0	1.3552
DB Server CPU.Queue	0.02497948	0,004092840	0	0.4846
DB Server Disk.Queue	0.03976953	0,015757532	0	0.8898
Load Balancer.Queue	0.02260269	0,005637276	0	0.5716
Web Service CPU.Queue	0.03776276	0,011290929	0	1.0891

Other

Number Waiting	Average	Half Width	Minimum	Maximum
App 1 CPU.Queue	0.02485648	(Insufficient)	0	2.0000
App 1 Disk.Queue	0.01489550	(Insufficient)	0	1.0000
App 2 Disk.Queue	0.06558678	(Insufficient)	0	2.0000
App 2 CPU.Queue	0.04557099	(Insufficient)	0	3.0000
App 3 Disk.Queue	0.06861707	(Insufficient)	0	2.0000
App 3 GPU.Queue	0.1277	(Correlated)	0	6.0000
DB Server Cache.Queue	0.02414848	(Insufficient)	0	2.0000
DB Server CPU.Queue	0.08937656	0,018981205	0	5.0000
DB Server Disk.Queue	0.05678964	(Insufficient)	0	3.0000
Load Balancer.Queue	0.04751086	0,010037833	0	3.0000
Web Service CPU.Queue	0.07922627	0,027171581	0	5.0000

Resource

7

Replication 2Start Time:0,00Stop Time:500,00Time Units:Seconds

Resource

Instantaneous Utilization	Average	Half Width	Minimum	Maximum
Resource App 1 CPU	0.1764	0,027929516	0	1.0000
Resource App 1 Disk	0.1403	(Insufficient)	0	1.0000
Resource App 2 CPU	0.2073	(Correlated)	0	1.0000
Resource App 2 Disk	0.2248	(Insufficient)	0	1.0000
Resource App 3 GPU	0.2841	0,025263747	0	1.0000
Resource App 3 Disk	0.2471	0,051413757	0	1.0000
Resource DB Server Cache	0.1498	(Insufficient)	0	1.0000
Resource DB Server CPU	0.2806	0,018973581	0	1.0000
Resource DB Server Disk	0.2248	0,035470123	0	1.0000
Resource Load Balancer	0.2087	0,013244201	0	1.0000
Resource Web Service CPU	0.2432	0,023980670	0	1.0000
Number Busy	Average	Half Width	Minimum	Maximum
Number Busy Resource App 1 CPU	Average 0.1764	Half Width 0,027929516	Minimum 0	1.0000
Resource App 1 CPU	0.1764	0,027929516	0	1.0000
Resource App 1 CPU Resource App 1 Disk	0.1764 0.1403	0,027929516 (Insufficient)	0 0	1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU	0.1764 0.1403 0.2073	0,027929516 (Insufficient) (Correlated)	0 0 0	1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk	0.1764 0.1403 0.2073 0.2248	0,027929516 (Insufficient) (Correlated) (Insufficient)	0 0 0 0	1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU	0.1764 0.1403 0.2073 0.2248 0.2841	0,027929516 (Insufficient) (Correlated) (Insufficient) 0,025263747	0 0 0 0	1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server	0.1764 0.1403 0.2073 0.2248 0.2841 0.2471	0,027929516 (Insufficient) (Correlated) (Insufficient) 0,025263747 0,051413757	0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server Cache	0.1764 0.1403 0.2073 0.2248 0.2841 0.2471 0.1498	0,027929516 (Insufficient) (Correlated) (Insufficient) 0,025263747 0,051413757 (Insufficient)	0 0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server Cache Resource DB Server CPU	0.1764 0.1403 0.2073 0.2248 0.2841 0.2471 0.1498	0,027929516 (Insufficient) (Correlated) (Insufficient) 0,025263747 0,051413757 (Insufficient)	0 0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000

Replication 2 Start Time:	0,00 Stop Time:	500,00 Time Units: Seconds
---------------------------	-----------------	----------------------------

Resource

Number Scheduled	Average	Half Width	Minimum	Maximum
Resource App 1 CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 1 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource App 2 CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 2 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource App 3 GPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 3 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server Cache	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource Load Balancer	1.0000	(Insufficient)	1.0000	1.0000
Resource Web Service CPU	1.0000	(Insufficient)	1.0000	1.0000
Scheduled Utilization	Value			
Resource App 1 CPU	0.1764			
Resource App 1 Disk	0.1403			
Resource App 2 CPU	0.2073			
Resource App 2 Disk	0.2248			
Resource App 3 GPU	0.2841			
Resource App 3 Disk	0.2471			
Resource DB Server Cache	0.1498			
Resource DB Server CPU	0.2806			
Resource DB Server Disk	0.2248			
Resource Load Balancer	0.2087			
Resource Web Service CPU	0.2432			

Replications: 5 **Unnamed Project** Replication 2 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds Resource **Usage Total Number Seized** Value Resource App 1 CPU 376.00 Resource App 1 Disk 134.00 Resource App 2 CPU 422.00 Resource App 2 Disk 139.00 Resource App 3 GPU 773.00 Resource App 3 Disk 247.00 Resource DB Server 176.00 Cache Resource DB Server CPU 1,789.00 Resource DB Server Disk 712.00 Resource Load Balancer 1,051.00 Resource Web Service 1,049.00 CPU **System Other** Value **Number Out** System 1,048 Replication 3 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds **Entity**

VA Time	Average	Half Width	Minimum	Maximum
Entity 1	1.0466	0,058350703	0.05713727	7.0635

amed Project				
plication 3	Start Time:	0,00 Stop Time:	500,00	Time Units: Seconds
Entity				
Time				
NVA Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,00000000	0	
Wait Time	Average	Half Width	Minimum	Maximu
Entity 1	0.2955	0,056818983	0	5.196
Transfer Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,00000000	0	
Other Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,00000000	0	
Total Time	Average	Half Width	Minimum	Maximu
Entity 1	1.3421	0,102768875	0.05713727	7.969
Other				
Number In	Value			
Entity 1	1,041			
Number Out	Value			
Entity 1	1,037			
WIP	Average	Half Width	Minimum	Maximu
Entity 1	2.7908	0,276836081	0	12.000

Replications: 5

Unnamed Project

Replication 3 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds

Queue

Time

Waiting Time	Average	Half Width	Minimum	Maximum
App 1 CPU.Queue	0.06592551	0,047553168	0	2.0252
App 1 Disk.Queue	0.03582677	(Insufficient)	0	1.0197
App 2 Disk.Queue	0.1554	(Insufficient)	0	3.8009
App 2 CPU.Queue	0.06152869	0,041297468	0	1.6106
App 3 Disk.Queue	0.0910	(Insufficient)	0	1.9373
App 3 GPU.Queue	0.04793288	0,010977335	0	1.1839
DB Server Cache.Queue	0.0959	(Insufficient)	0	1.9440
DB Server CPU.Queue	0.03162507	0,006244658	0	0.9292
DB Server Disk.Queue	0.07104677	0,056251896	0	1.6669
Load Balancer.Queue	0.02450561	0,007484515	0	0.6243
Web Service CPU.Queue	0.04021232	0,013110365	0	1.4770

Other

Number Waiting	Average	Half Width	Minimum	Maximum
App 1 CPU.Queue	0.04891673	(Insufficient)	0	4.0000
App 1 Disk.Queue	0.00702205	(Insufficient)	0	1.0000
App 2 Disk.Queue	0.03357095	(Insufficient)	0	1.0000
App 2 CPU.Queue	0.04503900	(Insufficient)	0	3.0000
App 3 Disk.Queue	0.03729259	(Insufficient)	0	2.0000
App 3 GPU.Queue	0.06913880	(Correlated)	0	3.0000
DB Server Cache.Queue	0.03318547	(Insufficient)	0	2.0000
DB Server CPU.Queue	0.1111	0,026988915	0	6.0000
DB Server Disk.Queue	0.0975	0,070008155	0	6.0000
Load Balancer.Queue	0.05102068	0,016601675	0	4.0000
Web Service CPU.Queue	0.08340036	0,026447204	0	5.0000

Resource

12

Replication 3 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds

Resource

Instantaneous Utilization	Average	Half Width	Minimum	Maximum
Resource App 1 CPU	0.1738	(Correlated)	0	1.0000
Resource App 1 Disk	0.1070	(Insufficient)	0	1.0000
Resource App 2 CPU	0.1811	0,030597035	0	1.0000
Resource App 2 Disk	0.1743	(Insufficient)	0	1.0000
Resource App 3 GPU	0.2459	0,027796997	0	1.0000
Resource App 3 Disk	0.1825	0,039295816	0	1.0000
Resource DB Server Cache	0.1622	(Insufficient)	0	1.0000
Resource DB Server CPU	0.2822	0,021968422	0	1.0000
Resource DB Server Disk	0.2302	0,029928191	0	1.0000
Resource Load Balancer	0.1996	0,016642480	0	1.0000
Resource Web Service CPU	0.2352	0,023392659	0	1.0000
Number Busy	Average	Half Width	Minimum	Maximum
Number Busy Resource App 1 CPU	Average 0.1738	Half Width (Correlated)	Minimum 0	1.0000
Resource App 1 CPU	0.1738	(Correlated)	0	1.0000
Resource App 1 CPU Resource App 1 Disk	0.1738 0.1070	(Correlated) (Insufficient)	0 0	1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU	0.1738 0.1070 0.1811	(Correlated) (Insufficient) 0,030597035	0 0 0	1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk	0.1738 0.1070 0.1811 0.1743	(Correlated) (Insufficient) 0,030597035 (Insufficient)	0 0 0 0	1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU	0.1738 0.1070 0.1811 0.1743 0.2459	(Correlated) (Insufficient) 0,030597035 (Insufficient) 0,027796997	0 0 0 0	1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server	0.1738 0.1070 0.1811 0.1743 0.2459 0.1825	(Correlated) (Insufficient) 0,030597035 (Insufficient) 0,027796997 0,039295816	0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server Cache	0.1738 0.1070 0.1811 0.1743 0.2459 0.1825 0.1622	(Correlated) (Insufficient) 0,030597035 (Insufficient) 0,027796997 0,039295816 (Insufficient)	0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server Cache Resource DB Server CPU	0.1738 0.1070 0.1811 0.1743 0.2459 0.1825 0.1622 0.2822	(Correlated) (Insufficient) 0,030597035 (Insufficient) 0,027796997 0,039295816 (Insufficient) 0,021968422	0 0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000

Replication 3	Start Time:	0,00 Stop Time:	500,00 Time Units: Seconds
i topiioatioii o	Otali Tillio.	o,oo otop riino.	000,00 Time Office. Goodfield

Resource

Number Scheduled	Average	Half Width	Minimum	Maximum
Resource App 1 CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 1 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource App 2 CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 2 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource App 3 GPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 3 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server Cache	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource Load Balancer	1.0000	(Insufficient)	1.0000	1.0000
Resource Web Service CPU	1.0000	(Insufficient)	1.0000	1.0000
Scheduled Utilization	Value			
Resource App 1 CPU	0.1738			
Resource App 1 Disk	0.1070			
Resource App 2 CPU	0.1811			
Resource App 2 Disk	0.1743			
Resource App 3 GPU	0.2459			
Resource App 3 Disk	0.1825			
Resource DB Server Cache	0.1622			
Resource DB Server CPU	0.2822			
Resource DB Server Disk	0.2302			
Resource Load Balancer	0.1996			
Resource Web Service CPU	0.2352			

amed Project					Replica	ations: 5
eplication 3	Start Time:	0,00	Stop Time:	500,00	Time Units:	Seconds
Resource						
Usage						
Total Number Seized	Value					
Resource App 1 CPU	371.00					
Resource App 1 Disk	98.0000					
Resource App 2 CPU	366.00					
Resource App 2 Disk	108.00					
Resource App 3 GPU	712.00					
Resource App 3 Disk	205.00					
Resource DB Server Cache	173.00					
Resource DB Server CPU	1,756.00					
Resource DB Server Disk	686.00					
Resource Load Balancer	1,041.00					
Resource Web Service CPU	1,037.00					
System						
Other						
Number Out	Value					
System	1,037					
eplication 4	Start Time:	0,00	Stop Time:	500,00	Time Units:	Second
Entity						
Time						
VA Time	Average		Half Width	Minimur	n	Maximu
Entity 1	1.0326	(),048971669	0.05326287	7	7.815

plication 4	Start Time:	0,00 Stop Time:	500,00	Time Units: Seconds
Entity				
Time				
NVA Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,000000000	0	
Wait Time	Average	Half Width	Minimum	Maximu
Entity 1	0.2347	0,037768047	0	3.233
Transfer Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,000000000	0	
Other Time	Average	Half Width	Minimum	Maximu
Entity 1	0	0,00000000	0	
Total Time	Average	Half Width	Minimum	Maximu
Entity 1	1.2673	0,064036995	0.05326287	9.419
Other				
Number In	Value			
Entity 1	1,004			
Number Out	Value			
Entity 1	1,001			
WIP	Average	Half Width	Minimum	Maximu
Entity 1	2.5510	0,207942428	0	10.000

Time

of

Replication 4 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds

Queue

Time

Waiting Time	Average	Half Width	Minimum	Maximum
App 1 CPU.Queue	0.06339506	0,035916751	0	1.3652
App 1 Disk.Queue	0.04844290	(Insufficient)	0	1.4495
App 2 Disk.Queue	0.2400	(Insufficient)	0	2.3356
App 2 CPU.Queue	0.04711050	0,028556689	0	0.9930
App 3 Disk.Queue	0.06646307	(Insufficient)	0	2.1389
App 3 GPU.Queue	0.05889681	0,017776411	0	1.1317
DB Server Cache.Queue	0.06052924	(Insufficient)	0	1.3149
DB Server CPU.Queue	0.01917451	(Correlated)	0	0.5291
DB Server Disk.Queue	0.02801743	0,010696568	0	0.6080
Load Balancer.Queue	0.02453139	0,006386599	0	0.7644
Web Service CPU.Queue	0.03175548	0,009228564	0	0.8222

Other

Number Waiting	Average	Half Width	Minimum	Maximum
App 1 CPU.Queue	0.04323543	(Insufficient)	0	4.0000
App 1 Disk.Queue	0.00988235	(Insufficient)	0	2.0000
App 2 Disk.Queue	0.04655508	(Insufficient)	0	3.0000
App 2 CPU.Queue	0.03156403	(Insufficient)	0	4.0000
App 3 Disk.Queue	0.02778157	(Insufficient)	0	2.0000
App 3 GPU.Queue	0.08657831	0,027784823	0	4.0000
DB Server Cache.Queue	0.01997465	(Insufficient)	0	2.0000
DB Server CPU.Queue	0.06178028	0,014636964	0	4.0000
DB Server Disk.Queue	0.03244419	(Insufficient)	0	2.0000
Load Balancer.Queue	0.04925903	0,013881683	0	3.0000
Web Service CPU.Queue	0.06357447	0,015873190	0	4.0000

Resource

Replication 4 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds

Resource

Instantaneous Utilization	Average	Half Width	Minimum	Maximum
Resource App 1 CPU	0.1674	0,031069914	0	1.0000
Resource App 1 Disk	0.1083	(Insufficient)	0	1.0000
Resource App 2 CPU	0.1750	0,031241648	0	1.0000
Resource App 2 Disk	0.1711	(Insufficient)	0	1.0000
Resource App 3 GPU	0.2699	0,024680321	0	1.0000
Resource App 3 Disk	0.1728	0,035762687	0	1.0000
Resource DB Server Cache	0.1424	(Insufficient)	0	1.0000
Resource DB Server CPU	0.2399	(Correlated)	0	1.0000
Resource DB Server Disk	0.1882	0,028453116	0	1.0000
Resource Load Balancer	0.2079	0,016410459	0	1.0000
Resource Web Service CPU	0.2356	0,020867037	0	1.0000
Number Busy	Average	Half Width	Minimum	Maximum
Number Busy Resource App 1 CPU	Average 0.1674	Half Width 0,031069914	Minimum 0	1.0000
	-			
Resource App 1 CPU	0.1674	0,031069914	0	1.0000
Resource App 1 CPU Resource App 1 Disk	0.1674 0.1083	0,031069914 (Insufficient)	0 0	1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU	0.1674 0.1083 0.1750	0,031069914 (Insufficient) 0,031241648	0 0 0	1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk	0.1674 0.1083 0.1750 0.1711	0,031069914 (Insufficient) 0,031241648 (Insufficient)	0 0 0 0	1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU	0.1674 0.1083 0.1750 0.1711 0.2699	0,031069914 (Insufficient) 0,031241648 (Insufficient) 0,024680321	0 0 0 0	1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource App 3 Disk Resource DB Server	0.1674 0.1083 0.1750 0.1711 0.2699 0.1728	0,031069914 (Insufficient) 0,031241648 (Insufficient) 0,024680321 0,035762687	0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server Cache	0.1674 0.1083 0.1750 0.1711 0.2699 0.1728 0.1424	0,031069914 (Insufficient) 0,031241648 (Insufficient) 0,024680321 0,035762687 (Insufficient)	0 0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server Cache Resource DB Server CPU	0.1674 0.1083 0.1750 0.1711 0.2699 0.1728 0.1424 0.2399	0,031069914 (Insufficient) 0,031241648 (Insufficient) 0,024680321 0,035762687 (Insufficient) (Correlated)	0 0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000

Replication 4 Start Time: 0,00 Stop Time:	500,00 Time Units: Seconds
---	----------------------------

Resource

•				
Number Scheduled	Average	Half Width	Minimum	Maximum
Resource App 1 CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 1 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource App 2 CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 2 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource App 3 GPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 3 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server Cache	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource Load Balancer	1.0000	(Insufficient)	1.0000	1.0000
Resource Web Service CPU	1.0000	(Insufficient)	1.0000	1.0000
Scheduled Utilization	Value			
Resource App 1 CPU	0.1674			
Resource App 1 Disk	0.1083			
Resource App 2 CPU	0.1750			
Resource App 2 Disk	0.1711			
Resource App 3 GPU	0.2699			
Resource App 3 Disk	0.1728			
Resource DB Server Cache	0.1424			
Resource DB Server CPU	0.2399			
Resource DB Server Disk	0.1882			
Resource Load Balancer	0.2079			
Resource Web Service CPU	0.2356			

Replications: 5 **Unnamed Project** Replication 4 0,00 Stop Time: 500,00 Time Units: Seconds Start Time: Resource **Usage Total Number Seized** Value Resource App 1 CPU 341.00 Resource App 1 Disk 102.00 Resource App 2 CPU 335.00 Resource App 2 Disk 97.0000 Resource App 3 GPU 735.00 Resource App 3 Disk 209.00 Resource DB Server 165.00 Cache Resource DB Server CPU 1,611.00 Resource DB Server Disk 579.00 Resource Load Balancer 1,004.00 Resource Web Service 1,001.00 CPU **System Other** Value **Number Out** System 1,001 Replication 5 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds **Entity Time** Half Width **VA Time** Average Minimum Maximum Entity 1 1.0209 0.05604976 0,052525198 8.3298

eplication 5	Start Time:	0,00 Stop Time:	500,00 Time U	nits: Seconds
Entity				
Time				
NVA Time	Average	Half Width	Minimum	Maximur
Entity 1	0	0,000000000	0	(
Wait Time	Average	Half Width	Minimum	Maximur
Entity 1	0.1998	0,032382081	0	2.7298
Transfer Time	Average	Half Width	Minimum	Maximur
Entity 1	0	0,00000000	0	(
Other Time	Average	Half Width	Minimum	Maximur
Entity 1	0	0,00000000	0	(
Total Time	Average	Half Width	Minimum	Maximur
Entity 1	1.2207	0,080504745	0.05604976	9.4672
Other				
Number In	Value			
Entity 1	982			
Number Out	Value			
Entity 1	977			
WIP	Average	Half Width	Minimum	Maximur
Entity 1	2.4004	0,173309678	0	9.000

Replication 5 Start Time: 0,00 Stop Time: 500,00 Time Units: Seconds

Queue

Time

Waiting Time	Average	Half Width	Minimum	Maximum
App 1 CPU.Queue	0.04958482	0,027774113	0	1.3127
App 1 Disk.Queue	0.02805441	(Insufficient)	0	0.7531
App 2 Disk.Queue	0.1321	(Insufficient)	0	2.1715
App 2 CPU.Queue	0.04437327	0,015072748	0	0.9330
App 3 Disk.Queue	0.04175366	(Insufficient)	0	1.0431
App 3 GPU.Queue	0.04167226	0,016331214	0	1.2546
DB Server Cache.Queue	0.03992151	(Insufficient)	0	1.1728
DB Server CPU.Queue	0.02636094	0,005936885	0	0.5636
DB Server Disk.Queue	0.03350209	0,009469934	0	0.7395
Load Balancer.Queue	0.01365949	0,003508361	0	0.8372
Web Service CPU.Queue	0.02668942	0,006173414	0	0.7083

Other

Number Waiting	Average	Half Width	Minimum	Maximum
App 1 CPU.Queue	0.03381685	(Insufficient)	0	3.0000
App 1 Disk.Queue	0.00605975	(Insufficient)	0	1.0000
App 2 Disk.Queue	0.02852721	(Insufficient)	0	3.0000
App 2 CPU.Queue	0.03230374	(Insufficient)	0	3.0000
App 3 Disk.Queue	0.01686848	(Insufficient)	0	2.0000
App 3 GPU.Queue	0.05792444	(Insufficient)	0	4.0000
DB Server Cache.Queue	0.01261520	(Insufficient)	0	2.0000
DB Server CPU.Queue	0.08567307	0,024201254	0	5.0000
DB Server Disk.Queue	0.04100655	(Insufficient)	0	2.0000
Load Balancer.Queue	0.02682724	0,006231284	0	3.0000
Web Service CPU.Queue	0.05266305	0,010759063	0	3.0000

Resource

Replication 5Start Time:0,00Stop Time:500,00Time Units: Seconds

Resource

Instantaneous Utilization	Average	Half Width	Minimum	Maximum
Resource App 1 CPU	0.1666	0,034686367	0	1.0000
Resource App 1 Disk	0.0953	(Insufficient)	0	1.0000
Resource App 2 CPU	0.1727	0,028860152	0	1.0000
Resource App 2 Disk	0.1848	(Insufficient)	0	1.0000
Resource App 3 GPU	0.2366	0,029690060	0	1.0000
Resource App 3 Disk	0.1628	0,034590114	0	1.0000
Resource DB Server Cache	0.1268	(Insufficient)	0	1.0000
Resource DB Server CPU	0.2601	0,021966504	0	1.0000
Resource DB Server Disk	0.2030	0,028031393	0	1.0000
Resource Load Balancer	0.1822	0,013096891	0	1.0000
Resource Web Service CPU	0.2153	0,018496937	0	1.0000
Number Busy	Average	Half Width	Minimum	Maximum
Number Busy Resource App 1 CPU	Average 0.1666	Half Width 0,034686367	Minimum 0	<u>Maximum</u> 1.0000
Resource App 1 CPU	0.1666	0,034686367	0	1.0000
Resource App 1 CPU Resource App 1 Disk	0.1666 0.0953	0,034686367 (Insufficient)	0 0	1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU	0.1666 0.0953 0.1727	0,034686367 (Insufficient) 0,028860152	0 0 0	1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk	0.1666 0.0953 0.1727 0.1848	0,034686367 (Insufficient) 0,028860152 (Insufficient)	0 0 0 0	1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU	0.1666 0.0953 0.1727 0.1848 0.2366	0,034686367 (Insufficient) 0,028860152 (Insufficient) 0,029690060	0 0 0 0	1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource App 3 Disk Resource DB Server	0.1666 0.0953 0.1727 0.1848 0.2366 0.1628	0,034686367 (Insufficient) 0,028860152 (Insufficient) 0,029690060 0,034590114	0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server Cache	0.1666 0.0953 0.1727 0.1848 0.2366 0.1628 0.1268	0,034686367 (Insufficient) 0,028860152 (Insufficient) 0,029690060 0,034590114 (Insufficient)	0 0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Resource App 1 CPU Resource App 1 Disk Resource App 2 CPU Resource App 2 Disk Resource App 3 GPU Resource App 3 Disk Resource DB Server Cache Resource DB Server CPU	0.1666 0.0953 0.1727 0.1848 0.2366 0.1628 0.1268	0,034686367 (Insufficient) 0,028860152 (Insufficient) 0,029690060 0,034590114 (Insufficient) 0,021966504	0 0 0 0 0 0	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000

Start fille. 0.00 Stop fille. 500.00 fille offits. Secon	Replication 5	Start Time:	0.00 Stop Time:	500.00 Time Units: Seconds
--	---------------	-------------	-----------------	----------------------------

Resource

Number Scheduled	Average	Half Width	Minimum	Maximum
Resource App 1 CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 1 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource App 2 CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 2 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource App 3 GPU	1.0000	(Insufficient)	1.0000	1.0000
Resource App 3 Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server Cache	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server CPU	1.0000	(Insufficient)	1.0000	1.0000
Resource DB Server Disk	1.0000	(Insufficient)	1.0000	1.0000
Resource Load Balancer	1.0000	(Insufficient)	1.0000	1.0000
Resource Web Service CPU	1.0000	(Insufficient)	1.0000	1.0000
Scheduled Utilization	Value			
Resource App 1 CPU	0.1666			
Resource App 1 Disk	0.0953			
Resource App 2 CPU	0.1727			
Resource App 2 Disk	0.1848			
Resource App 3 GPU	0.2366			
Resource App 3 Disk	0.1628			
Resource DB Server Cache	0.1268			
Resource DB Server CPU	0.2601			
Resource DB Server Disk	0.2030			
Resource Load Balancer	0.1822			
Resource Web Service CPU	0.2153			

Unnamed Project

Replications: 5

Replication 5 Start Tim	e: 0,00 Stop Tim	ne: 500,00 Time Units: Seconds
-------------------------	------------------	--------------------------------

Resource

Usage

Total Number Seized	Value	
Resource App 1 CPU	341.00	
Resource App 1 Disk	108.00	
Resource App 2 CPU	364.00	
Resource App 2 Disk	108.00	
Resource App 3 GPU	695.00	
Resource App 3 Disk	202.00	
Resource DB Server Cache	158.00	
Resource DB Server CPU	1,625.00	
Resource DB Server Disk	612.00	
Resource Load Balancer	982.00	
Resource Web Service CPU	978.00	

System

Other

Number Out	Value	
System	977	