



Executive Summary
For
Internal Servers

From: **2007-4-24 00:00:00**
For: **1 Month**

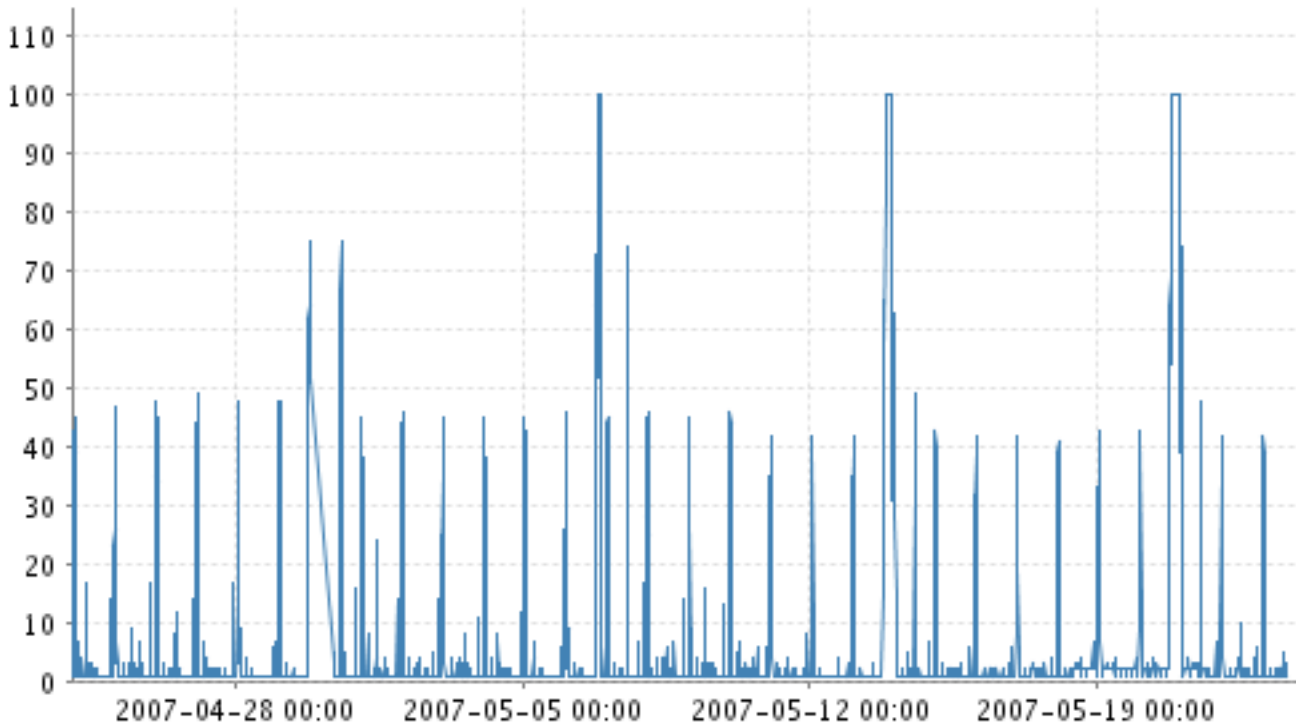


Executive Summary

When assessing server health and performance it is important to look at many factors that may affect performance and availability. This report is a collection of data gathered from the most important devices within your server, which contribute to the overall performance and availability of your applications. It illustrates the overall usage of the server environment and the metrics associated with servers - CPU utilisation, Swap or Virtual Memory Utilisation and Disk Space Utilisation. The report is designed to provide a snapshot of the capacity utilisation of the server and help you plan for the needs of today and the future.

CPU Utilization

CPU Usage (%) Vs. Time



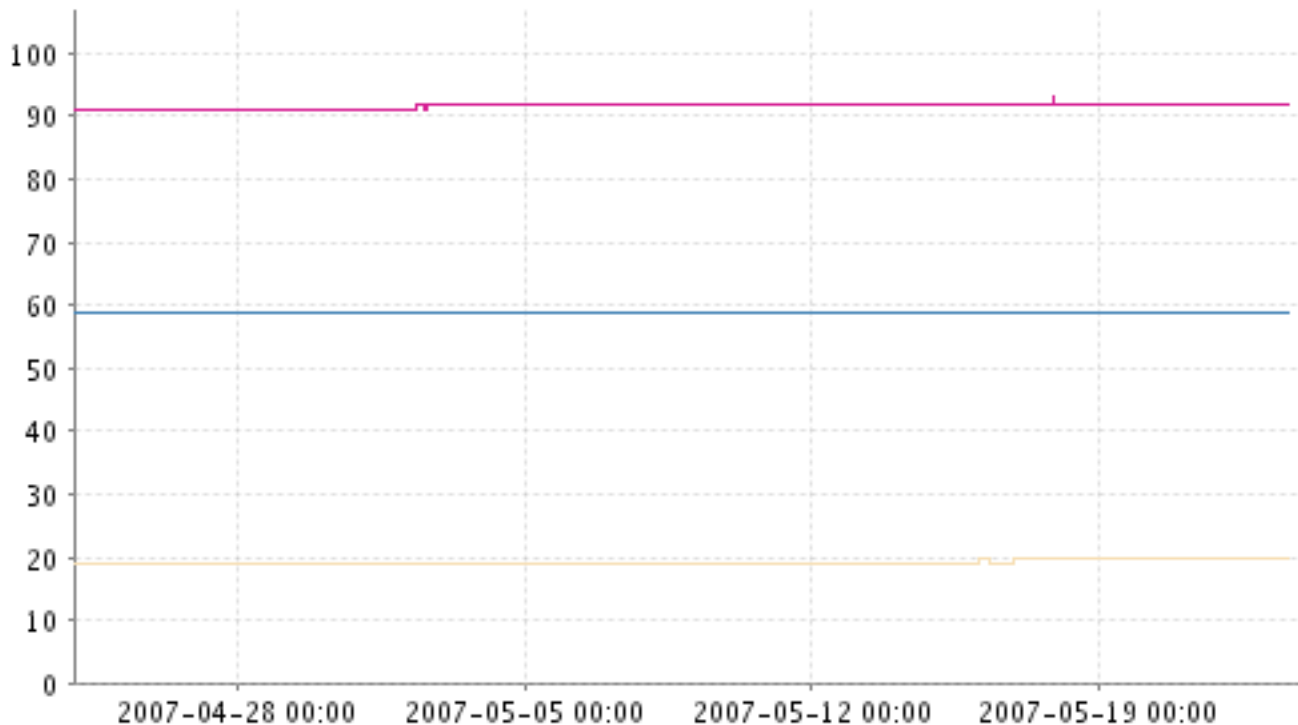
Device	Minimum	Maximum	Average
CES - HARRY(0) - CES - HARRY	1.00	100.00	4.77

Synopsis

This report illustrates the overall Utilisation of the processor capacity of the server included over the time frame of the report. This is an indication of the overall load of the servers in question. During business operating hours, if the average CPU Utilisation is below 30%, the server is operating within acceptable parameters and the server is well matched to the tasks it is assigned. An average CPU Utilisation of between 30% and 70% indicates that the machine is quite busy and performance may be impacted during peak operating times. Average CPU Utilisation of over 70% indicates the machine is overtaxed on resources and may require an upgrade or reassignment of tasks.

Disk Utilization

Disk Usage (%) Vs. Time



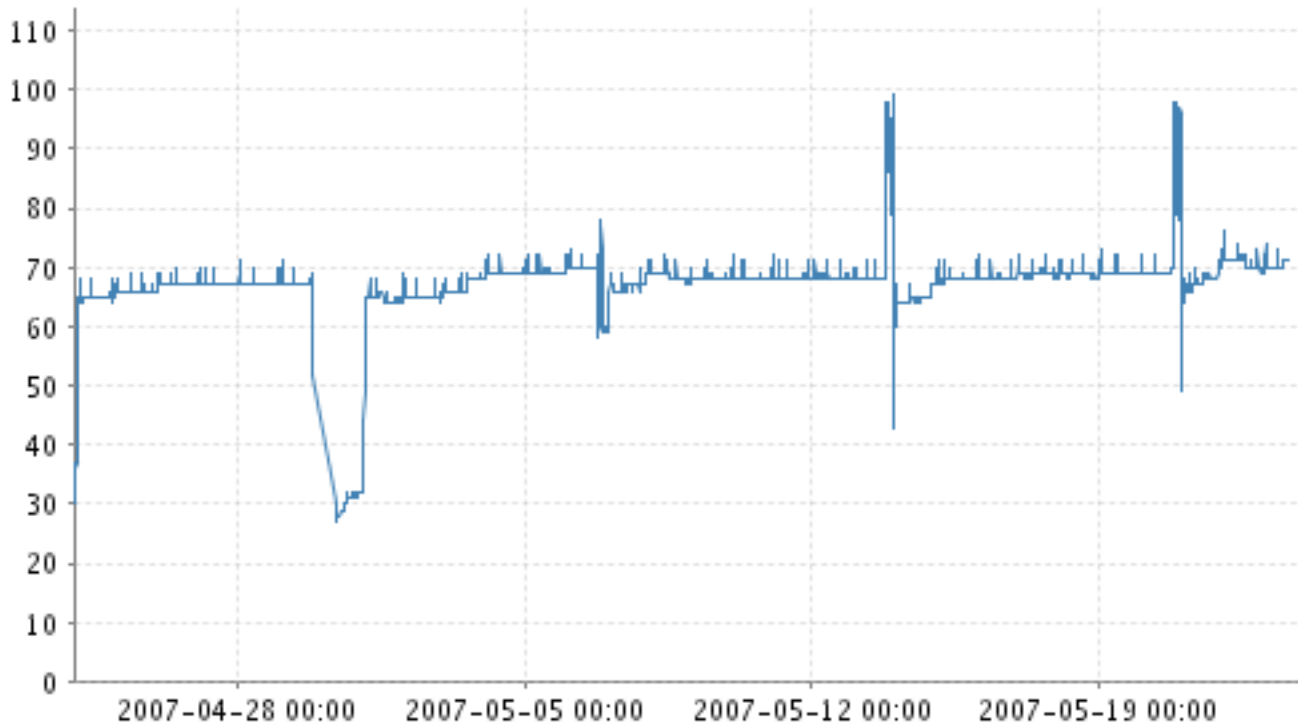
	Device	Minimum	Maximum	Average
	CES - HARRY(E:) - CES - HARRY	59.00	59.00	59.00
	CES - HARRY(C:) - CES - HARRY	91.00	93.00	91.73
	CES - HARRY(F:) - CES - HARRY	19.00	20.00	19.24

Synopsis

The amount of disk space available varies widely from server to server, file servers for home folders require more disk space available than DNS servers. However, disk space as a rule should not exceed 80% Utilisation on any volume. There is an exception to this, NT4 servers with a 4GB system partition typically run over 90% utilised. This may be acceptable depending on the task of the device and any migration plans in place.

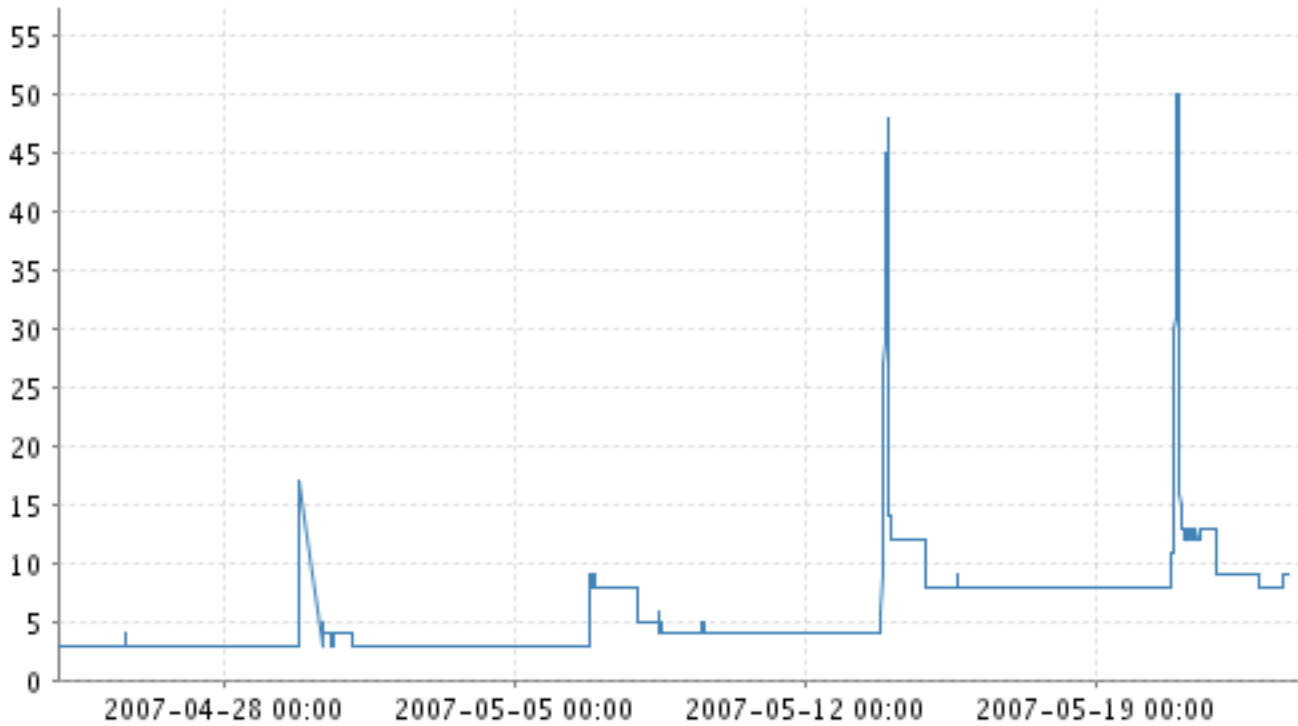
Memory Utilization

Physical_Memory Usage (%) Vs. Time



Device	Minimum	Maximum	Average
CES - HARRY - CES - HARRY	27.00	99.00	66.96

Virtual Memory Usage (%) Vs. Time



Device	Minimum	Maximum	Average
CES - HARRY - CES - HARRY	3.00	50.00	5.74

Synopsis

The Utilisation of memory can be a difficult resource to interpret. Some applications such as Microsoft Exchange Server and Microsoft SQL Server will use as much physical memory as is available, so when viewing Memory Utilisation on these devices, Swap or Virtual, Memory Utilisation is more indicative of issues. Overall, excessively high Utilisation of both physical memory and virtual memory indicates a need for memory upgrades in the servers.



Service Availability

Service	CES - HARRY - CES - HARRY	CES - HARRY - Central Server	CES - HARRY - Ghost
Active Directory	-	-	98.12
CPU	98.76	-	-
Connectivity	-	98.13	-
DNS	-	98.13	-
Disk	100.00	-	-
Event Log	99.99	-	-
Exchange Server	-	-	98.13
LocalIP	100.00	-	-
Memory	99.51	-	-
POP	-	98.13	-
Process	100.00	-	-
SMTP	-	98.13	-
SMTP Queues (WMI)	-	-	98.05
Traffic	-	-	98.11
VNC	-	98.13	-
Windows Terminal Server	-	97.13	-
Average	99.84	97.96	98.10

Synopsis

This Service Availability report provides a basic understanding of the stability of the network and servers. It is a combination of Normal and Warning status and defines all other states as unavailable. It is a great report to quickly understand how available the network infrastructure has functioned over the time frame of the report.



Conclusion

Overall, this Executive Summary Report provides you with the information to help you understand the overall utilisation of your server infrastructure. The data is collected automatically and is used for performance and capacity management, as well as incident notification so that the network can be managed more efficiently and a higher level of service can be achieved. If you have any questions about anything contained in this report or would like to see more information or discuss the detailed information at a more in-depth level please do not hesitate to contact us on 01925 445774 or email helpdesk@ceservices.co.uk.