



Executive Summary
For
JN-121409-Twin_Systems-04-19-07

From: **2007-5-6 00:00:00**
For: **3 Months**

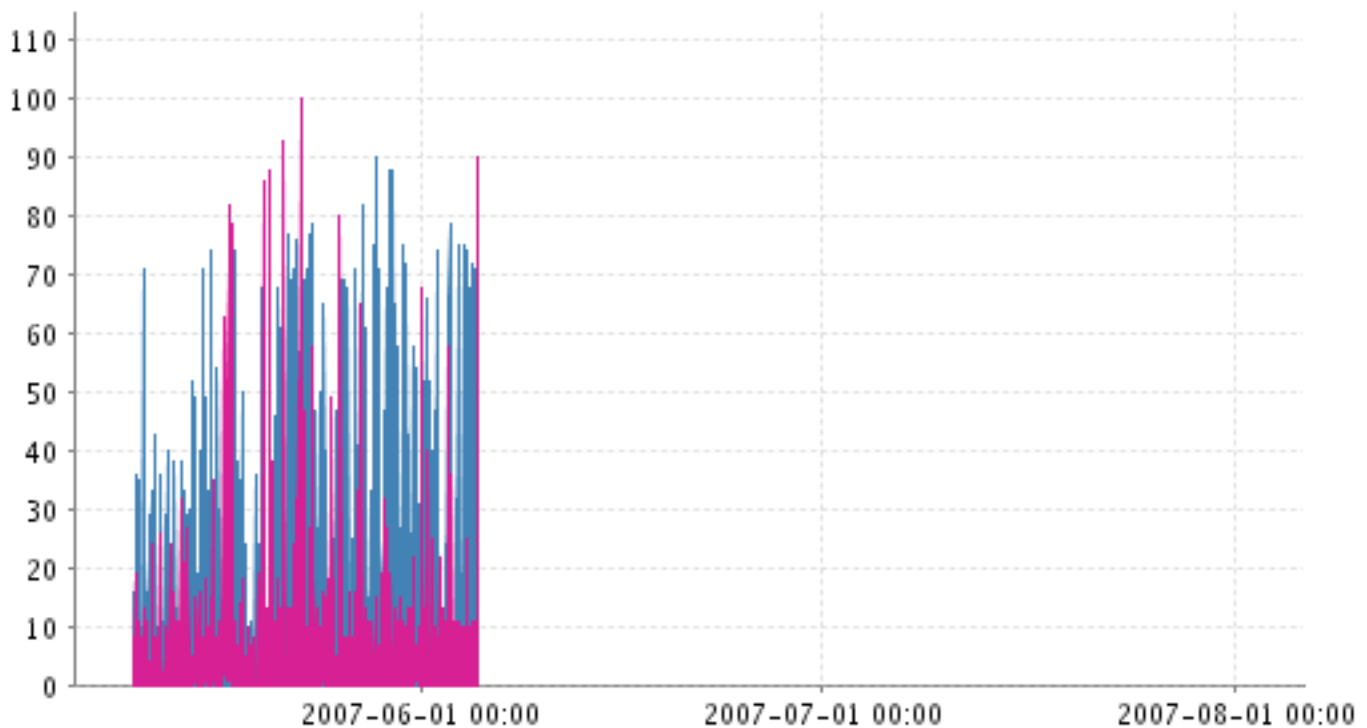


Executive Summary

When assessing network 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 infrastructure, 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 utilization, Swap Utilization and Disk Space Utilization. It also provides an understanding of the utilization of the bandwidth available for network traffic. This report is designed to provide a snapshot of the capacity utilization of the network and help the Management Team plan for the needs of today and the future.

CPU Utilization

CPU Usage (%) Vs. Time



Device	Minimum	Maximum	Average
FPSEVER1("CPU0") - First Security	0.00	90.00	5.93
EXCHANGE1("CPU0") - First Security	0.00	100.00	2.70

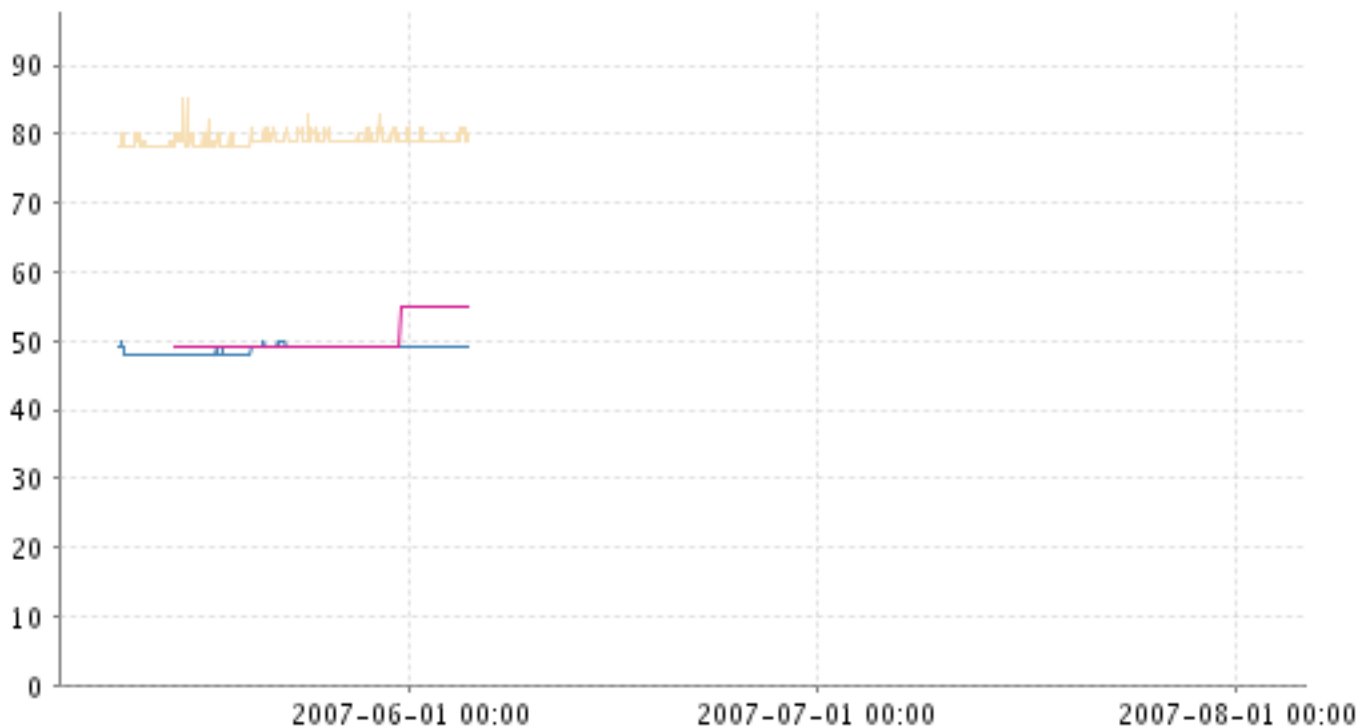
Synopsis

This report illustrates the overall utilization of the processor capacity of the servers 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 Utilization 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 Utilization of between 30% and 70% indicates that the machine is quite busy and performance may be impacted during peak operating times. Average CPU Utilization of over 70% indicates the machine is overtaxed on resources and requires an

upgrade or reassignment of tasks.

Disk Utilization

Disk Usage (%) Vs. Time



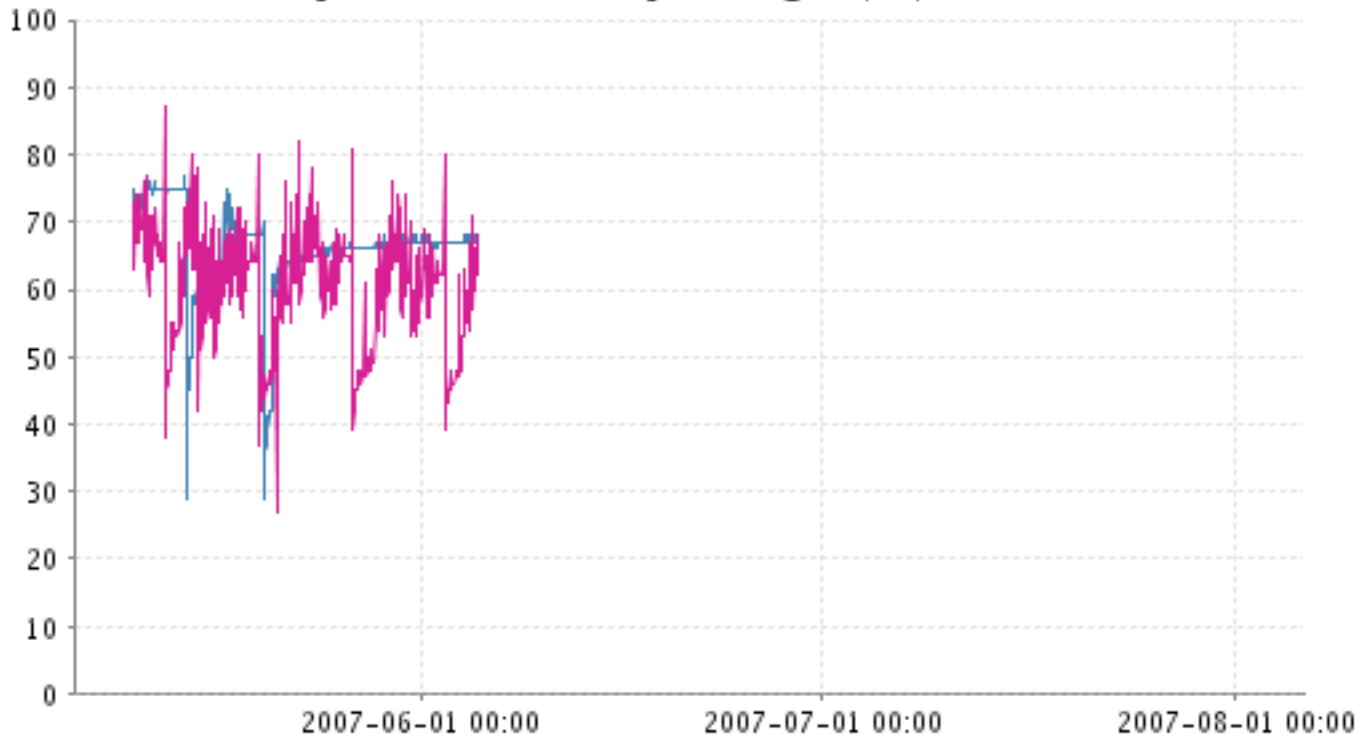
Device	Minimum	Maximum	Average
EXCHANGE1("C:") - First Security	48.00	50.00	48.66
FPSEVER1("D:") - First Security	49.00	55.00	50.39
FPSEVER1("C:") - First Security	78.00	85.00	78.94

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% utilization on any volume. There is an exception to this, NT4 servers with a 4GB system partition typically run over 90% utilized. 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
EXCHANGE1 - First Security	29.00	77.00	65.99
FPSEVER1 - First Security	27.00	87.00	59.82

Virtual Memory Usage (%) Vs. Time



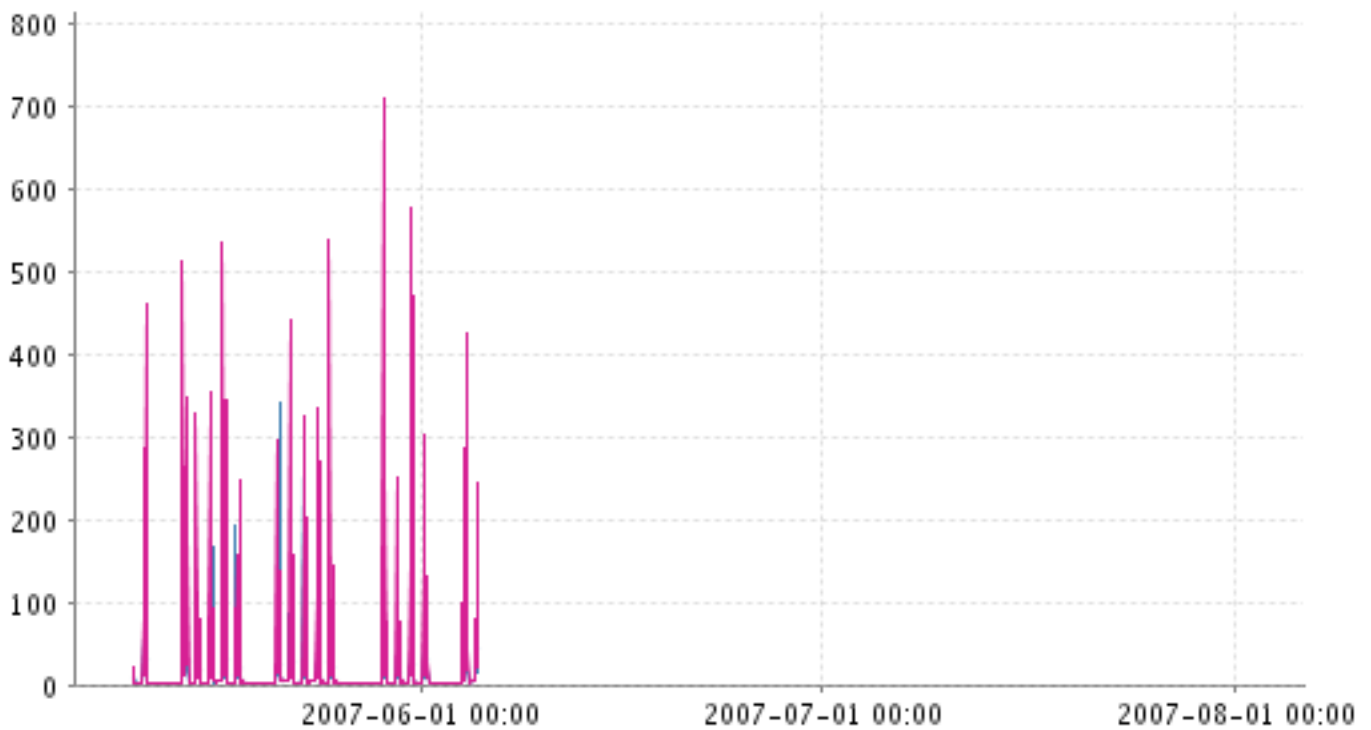
Device	Minimum	Maximum	Average
EXCHANGE1 - First Security	34.00	41.00	37.36
FPSEVER1 - First Security	12.00	44.00	30.83

Synopsis

The utilization 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 Utilization on these devices, Swap utilization is more indicative of issues. Overall, excessively high utilization of both physical memory and Swap indicates a need for memory upgrades in the servers.

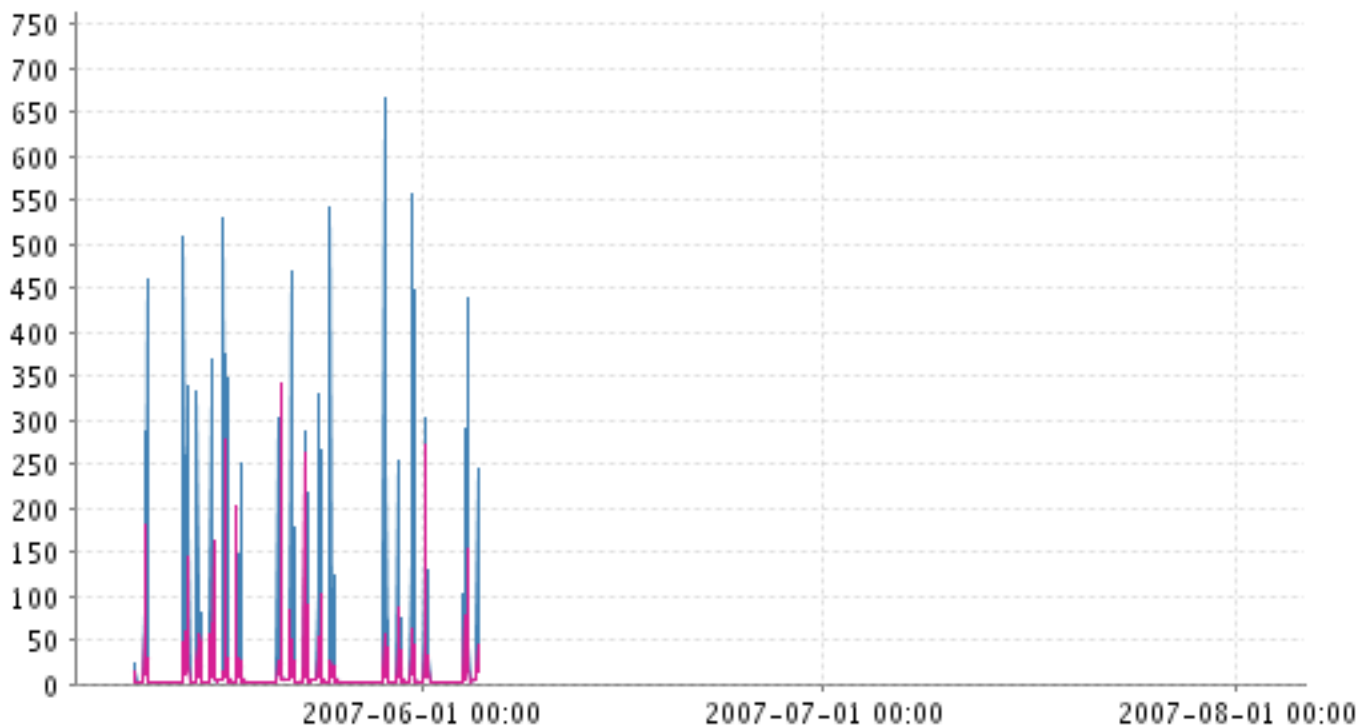
Traffic Utilization

Incoming bytes per second (KBytes/Second) Vs. Time



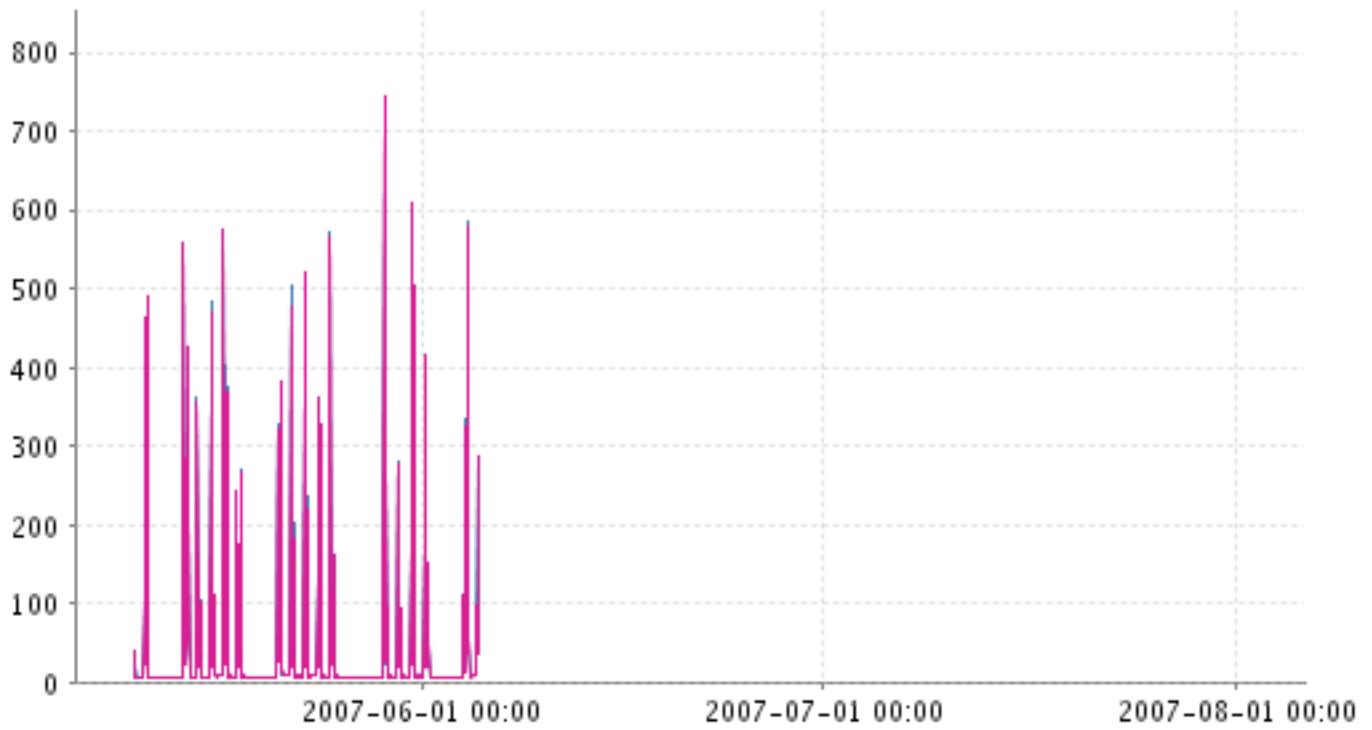
	Device	Minimum	Maximum	Average
	Cisco - Myddleton(FastEthernet0/1) - First Security	2.48	341.93	8.36
	Cisco - Myddleton(FastEthernet0/0) - First Security	2.50	707.51	17.21

Outgoing bytes per second (KBytes/Second) Vs. Time



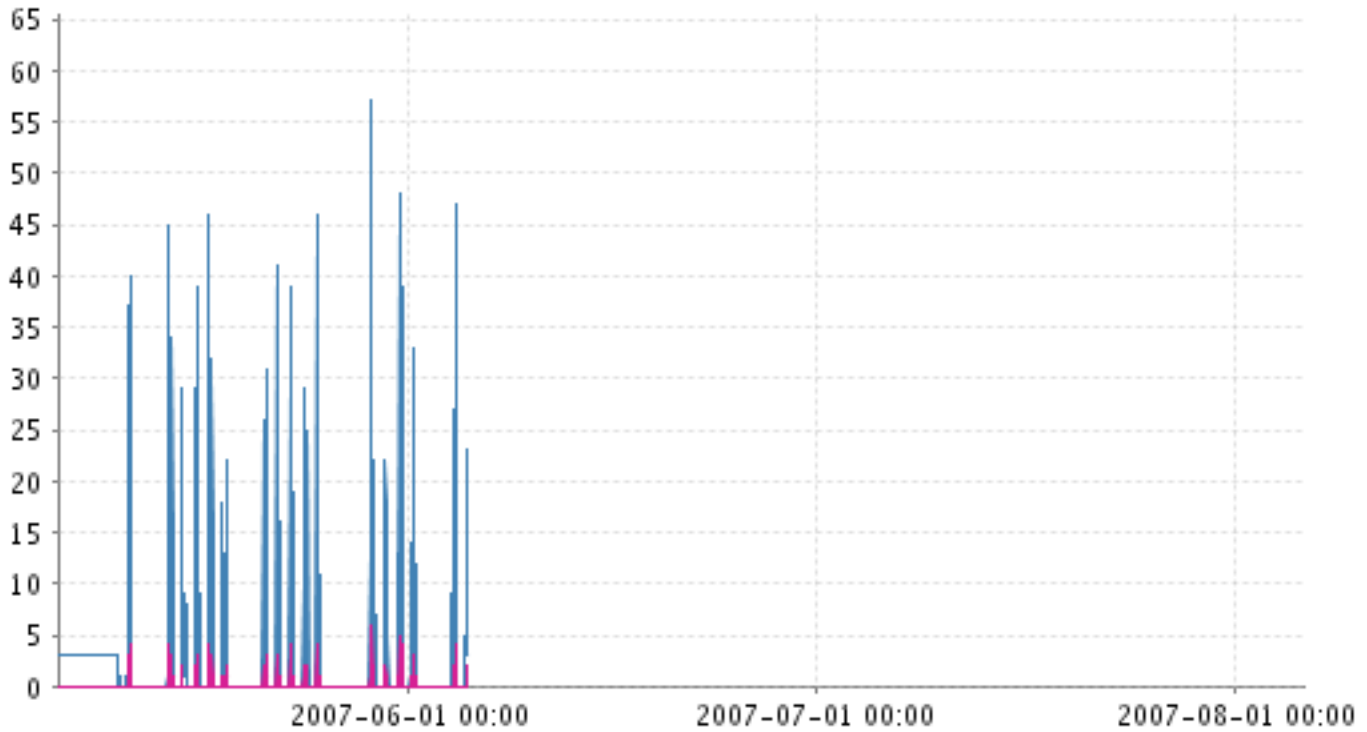
	Device	Minimum	Maximum	Average
	Cisco - Myddleton(FastEthernet0/1) - First Security	2.50	665.01	17.43
	Cisco - Myddleton(FastEthernet0/0) - First Security	2.47	342.38	8.12

Total bytes per second (KBytes/Second) Vs. Time



	Device	Minimum	Maximum	Average
	Cisco - Myddleton(FastEthernet0/1) - First Security	4.98	699.85	25.79
	Cisco - Myddleton(FastEthernet0/0) - First Security	4.97	742.77	25.32

Utilization (%) Vs. Time



	Device	Minimum	Maximum	Average
	Cisco - Myddleton(FastEthernet0/1) - First Security	0.00	57.00	1.56
	Cisco - Myddleton(FastEthernet0/0) - First Security	0.00	6.00	0.06

Synopsis

The amount of incoming and outgoing Bandwidth being used is a great metric to track and understand. It's specifically helpful on point to point connections which are very expensive and the proper sizing is difficult. An understanding of the utilization will allow management decisions on upsizing the connection, downsizing the connection or re-scheduling tasks such as backup or data synchronization to make most efficient use of the current level.



Conclusion

Overall, this Executive Summary Report provides you with the information to fully understand the overall utilization of your network 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.