

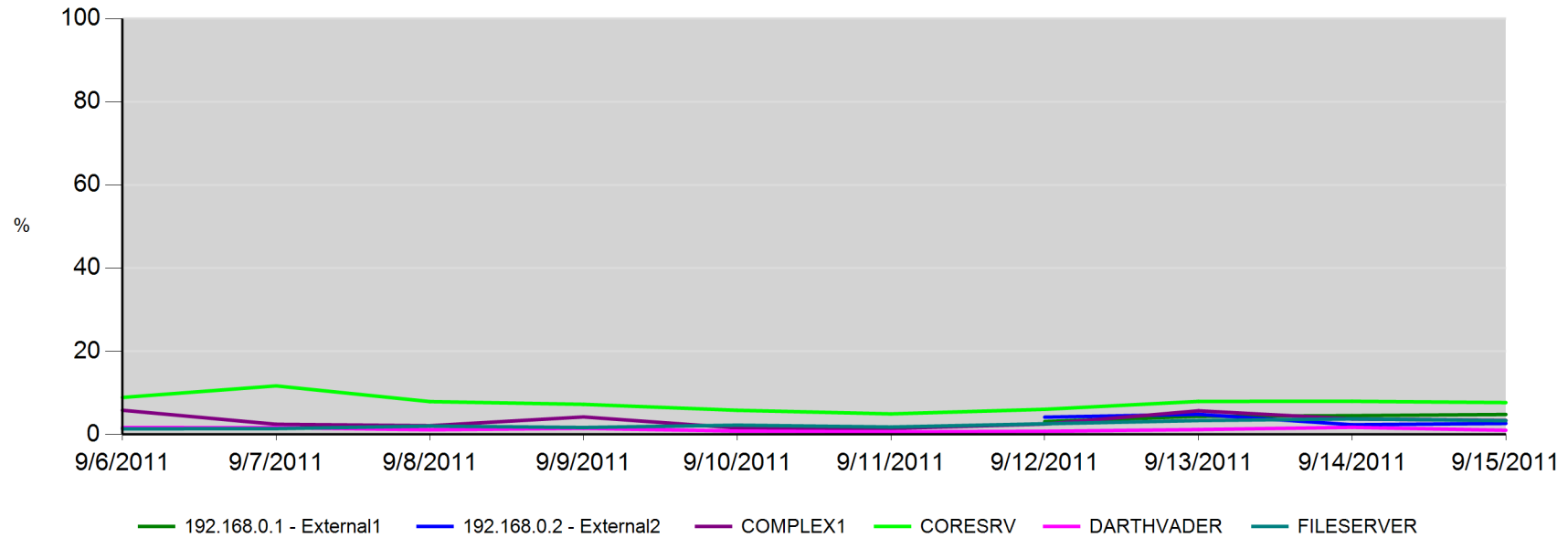
## REPORT MANAGER

### Resource Utilization Report

**Customer:** Complex Inc.  
**Report Date:** Sep 01, 2011 - Sep 15, 2011  
**Device Class(es):** Windows Server  
**Rule(s):** Complex Inc. Devices  
**Device(s):** COMPLEX1  
CORESRV

## CPU Usage

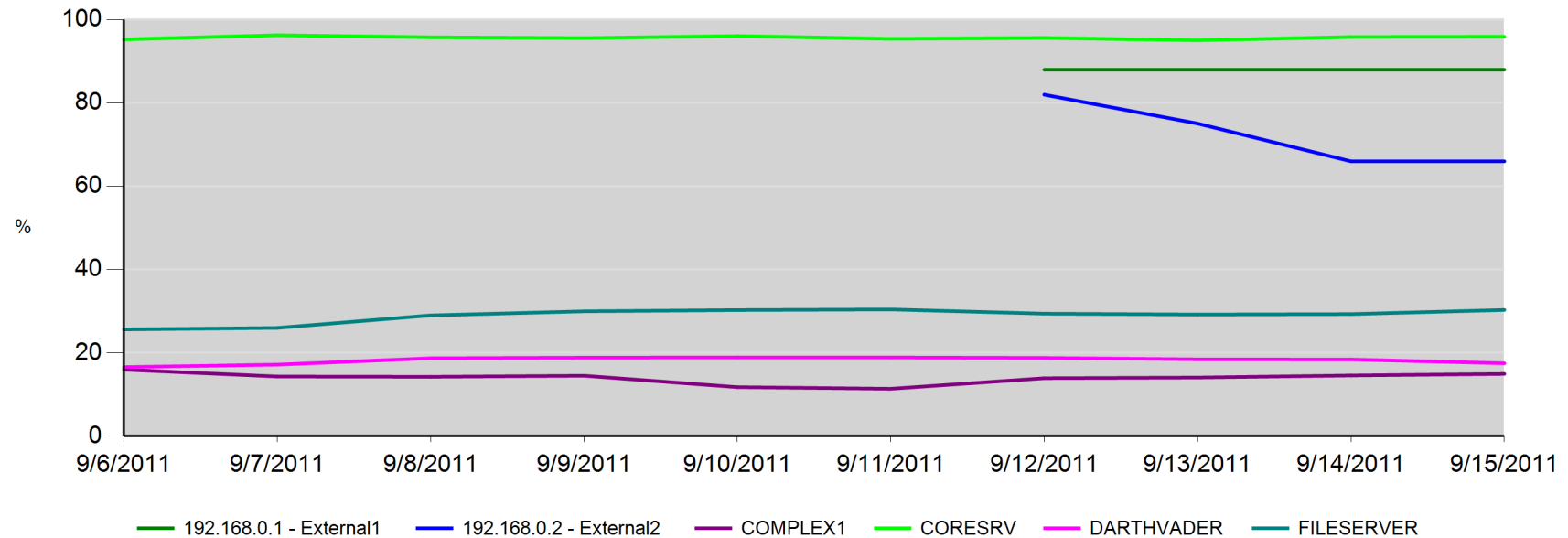
During business operating hours, if the average CPU utilization is below 30%, the server is operating within acceptable parameters and the server is well matched to the tasks it is assigned. An average CPU utilization of between 30% and 70% indicates that the machine is quite busy and performance may be impacted during peak operating times. An average CPU utilization of over 70% indicates that the machine's resources are overtaxed and require an upgrade or reassignment of tasks.



Device Name	CPU Average Usage (%)		
	Lowest Hourly	Highest Hourly	Overall
CORESRV	0.00	49.55	7.55
192.168.0.1 - External1	1.08	21.67	4.44
192.168.0.2 - External2	1.00	16.31	3.41
COMPLEX1	0.00	38.00	3.17
FILESERVER	0.00	24.92	2.44
DARTHVADER	0.00	15.83	1.20

## Physical Memory Usage

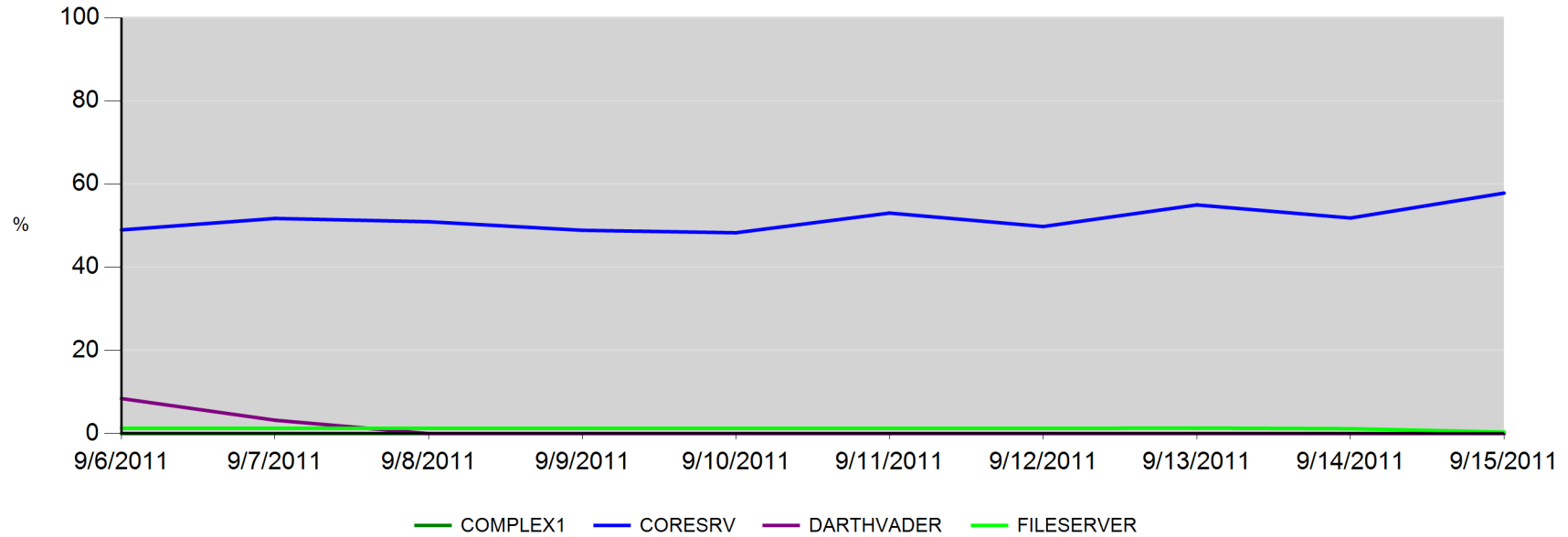
High physical memory usage is not necessarily an indicator of poor performance. Some applications, such as Microsoft Exchange Server and Microsoft SQL Server, will use as much physical memory as is available. When viewing memory utilization on these devices, virtual memory utilization is more indicative of issues. Overall, excessively high utilization of both physical & virtual memory indicates a need for memory to be added to the system.



Device Name	Memory Size	Physical Memory Average Usage (%)		
		Lowest Hourly	Highest Hourly	Overall
CORESRV	12288 MB	88.87	98.24	95.71
192.168.0.1 - External1	0 MB	88.00	88.00	88.00
192.168.0.2 - External2	0 MB	66.00	82.36	70.47
FILESERVER	12279 MB	25.53	32.55	29.18
DARTHVADER	12279 MB	16.45	19.68	18.35
COMPLEX1	12288 MB	10.65	17.89	13.86

## Virtual Memory Usage

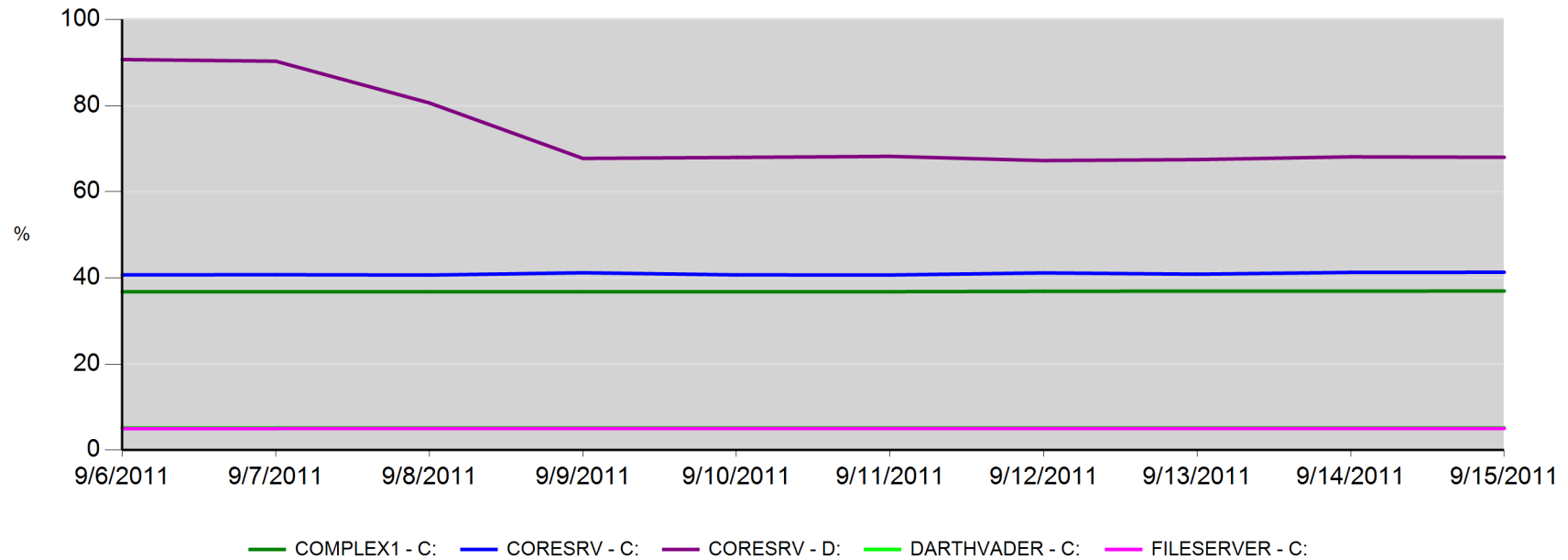
High virtual memory utilization indicates that the system is busy paging to swap and it can reach the state in which it is not able to keep up with demand. Excessively high utilization of virtual memory indicates a need for memory upgrade.



Device Name	Memory Size	Virtual Memory Average Usage (%)		
		Lowest Hourly	Highest Hourly	Overall
CORESRV	12287 MB	43.47	68.39	51.83
FILESERVER	12279 MB	0.13	1.36	1.18
DARTHVADER	13307 MB	0.00	8.53	0.71
COMPLEX1	12287 MB	0.00	0.00	0.00

## Disk Usage

The amount of disk space available varies widely from server to server. Fileservers 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.



Device Name	Disk Volume	Disk Size	Disk Average Usage (%)		
			Lowest Hourly	Highest Hourly	Overall
CORESRV	D:	600.00 GB	66.62	90.68	<b>72.64</b>
CORESRV	C:	199.90 GB	39.71	41.80	<b>40.92</b>
COMPLEX1	C:	99.90 GB	36.77	39.02	<b>36.83</b>
DARTHVADER	C:	1862.92 GB	5.08	5.22	<b>5.20</b>
FILESERVER	C:	596.08 GB	5.01	5.47	<b>5.03</b>