

SmartPeak WLM guarantees resources where you most need them, allowing AV updates to run without adversely affecting the user experience

How often do your users complain that their PC has frozen up yet again, just when they were finalizing that crucial document? AV is typical of an application that can disrupt the user experience causing unnecessary loss in productivity and dissatisfied users. In a Windows environment, it can be a lottery which applications get the lion's share of CPU, memory and bandwidth. SmartPeak WLM simply solves this problem through dynamic, intelligent resource management. Previously unresponsive PCs deliver consistent performance and hourglass enforced coffee breaks become a thing of the past. Configured in minutes and deployed across thousands of machines in hours, SmartPeak WLM improves application response times to create a better desktop experience and a more productive workforce.

Controlling McAfee VirusScan

To demonstrate the positive effect SmartPeak WLM can have in an environment where regular AV scans are scheduled, McAfee VirusScan Enterprise

version 8.0 was tested on a system with and without SmartPeak WLM activated.

In the first example (Fig 1), McAfee VirusScan Enterprise edition was run without SmartPeak WLM. As the graph illustrates, the amount of CPU consumed varies wildly, averaging 43% but at times taking up to 75% of the available processing power.

In contrast, when the SmartPeak WLM agent is activated (Fig 2), the performance profile becomes far more regular, limiting the amount of CPU the AV agent is allowed to consume, thereby freeing up system resources to improve the user experience. In this example, a Hard Limit has been applied to McAfee VirusScan for illustrative purposes. In a real world environment, it would be more effective to set a Soft Limit on the AV process, which would restrict the amount of CPU it could use when another process requests resource, but would grant extra available resource to McAfee VirusScan when no other applications required it. This ensures that resources are always fully utilized without impacting the performance of the desktop.

Key benefits

- ➔ Prevent AV and other secondary processes disrupting the user experience
- ➔ Improve application response times
- ➔ Maximize resources for user applications

“SmartPeak WLM's simple configuration rules allow processes to be allocated different proportions of resources depending on how important they are to the user or business, so you can ensure the computer is fully used while guaranteeing a consistent quality of service.”

Server Management magazine, March 2007

Test Results with McAfee VirusScan

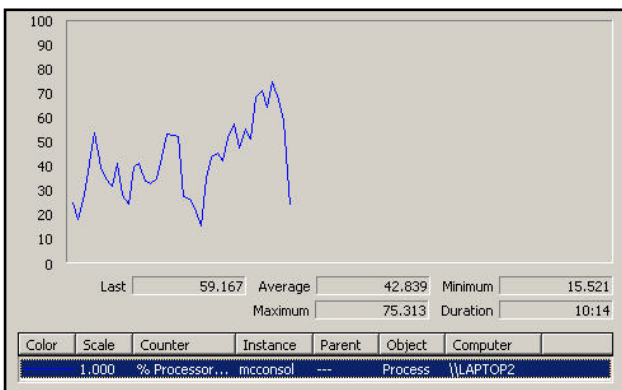


Figure 1: Without SmartPeak WLM

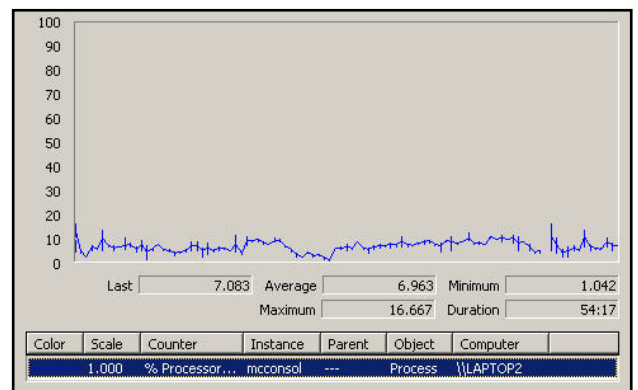


Figure 2: With SmartPeak WLM