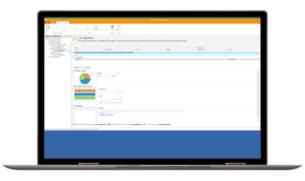# Boost Users per Server and Control CPU-hogging Apps

Ivanti® Performance Manager, powered by AppSense, ensures every user is allocated enough CPU, memory, and disk resources dynamically to experience unsurpassed workspace performance.

The result? Vast increases in users per server and savings that average up to 40% of your cost on server hardware.

"We doubled the user number for even our most resource-intensive apps—a 100% server-utilization improvement."

Adam Wilson, Enterprise Applications Supervisor
Grange Insurance

Save an average of 40% on server hardware costs.

- Extend hardware lifecycle
- Consolidate hardware needs
- Improve system capacity
- Reduce power consumption

Deliver the consistent user experience your workers demand.

- Ensure predictable service levels
- Boost user productivity
- Increase overall user acceptance

System resource entitlement ensures applications are responsive to user actions.

The use of desktop delivery technologies such as server-based computing and virtual desktops is increasing. Ensuring that applications are responsive to user actions is key to adoption.

System resource entitlement lets you define user- and application-based business rules that allocate CPU, memory, and disk resources across all application-delivery mechanisms. This ensures users receive optimal performance no matter where their desktops and applications are hosted. Entitlement can be defined on a per-user, user-group, application, or application-group basis, or even based on session status.

Make certain that applications perform consistently whether on a virtual or physical desktop or in a shared desktop environment.

Intelligent Process Management™ technology reacts dynamically to changing demand by reallocating system resources, establishing a smooth, seamless response from the environment and a productive working experience for the user.

Enhancing the speed of business-crucial applications improves workforce productivity.

As the use of resource-intensive operating systems and applications increases, it's becoming a business imperative to gain the most out of existing desktop hardware. The disk-resource management capabilities of Performance Manager create optimal use of CPU and physical memory as well as hard-drive access. Priority disk access can be given to business-critical applications, increasing productivity.

Key Feature: CPU Throttling

CPU thread-throttling policies trigger automatically when the system is heavily loaded and. Throttling is applied gradually to any runaway threads within each process. This prevents rogue processes from consuming excessive CPU resource and reducing the quality of service for all other users on the hardware.

Key Feature: Smart Scheduling

CPU Smart Scheduler ™ allocates CPU resource according to business policy by allocating a relative share to the user or application. For instance, if an application is assigned a share factor that's twice that of a second application, the former will receive higher priority access to the CPU when there's contention.

Key Feature: Memory Trimming

Trim working sets automatically based on application events and states, such as application startup, idle, minimized, and in the background. This effectively releases fast-access memory back to the operating system, enabling a significant increase in user density or application instances.

Virtual memory overheads and system paging can be reduced significantly by automatically analyzing and optimizing the way in which dynamic link libraries (DLLs) are loaded by applications. Optimized DLLs are stored in a separate cache and loaded dynamically, leaving the original applications intact.

"Now one Excel power user doesn't consume all of the resources and freeze everyone's session."

Calvin Nghe, AVP of Application and Server Virtualization
Nationstar Mortgage

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