Product datasheet
Ivanti Performance Manager

Reduce hardware costs and deliver predictable user experience

Key features:

- Resource policy management
- Disk resource management
- CPU Smart SchedulerTM
- Physical memory control
- Virtual memory optimization
- PC and notebook optimization

Key benefits:

- Increase user productivity and acceptance
- Extend hardware lifecycle
- Ensure predictable service levels
- Improve system capacity
- Consolidate hardware
- Reduce power consumption and carbon footprint

System resource entitlement

With the increasing use of desktop delivery technologies such as server based computing and virtual desktops, ensuring applications are responsive to user actions is key to adoption. In server based computing environments where users share the same system resource, how CPU, Memory and Disk is used impacts the working experience for many users. Likewise, in virtual and physical desktop estates, responsive applications increase user satisfaction and maximize productivity.

System resource entitlement allows IT to define user and application-based business rules that allocate CPU, Memory and Disk resources across all application delivery mechanisms, ensuring the user receives 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 session status such as:

- Application in background/foreground,
- Maximized/minimized, desktop locked/unlocked or
- Session connected/disconnected

Consistent application behavior

Ivanti Performance Manager ensures that whether in a shared desktop environment such as server based computing or in virtual or physical desktop, applications presented to the user react in a consistent manner. Intelligent Process ManagementTM technology dynamically reacts to changing demand by reallocating system resources, ensuring a smooth, seamless response from the environment and a productive working experience for the user.

Server consolidation – reducing cost and carbon footprint

Whether your goal is maximizing user density in a shared user environment, or optimizing server based applications in the datacenter, system resource entitlement will reduce the number of servers required. Third party tests have shown that on average 40 percent of hardware costs could be saved by using Ivanti Performance Manager to make more efficient use of system resources. This in turn can lead to huge savings in power and cooling costs and a significant reduction in carbon footprint. For example, consolidating 100 physical servers by 40 percent could save more than 120,000 kWh each year.

Faster PCs and notebooks with Disk Resource Management

With increasing use of resource-intensive operating systems and applications, getting the most out of existing desktop hardware is becoming a business imperative. Ivanti Performance Manager not only ensures optimal use of CPU and physical memory, but hard drive access can also be optimized using Disk Resource Management. Business critical applications can be given priority disk access, increasing productivity and prolonging the life of the desktop asset.

About Ivanti

Ivanti is the leading provider of User Environment Management solutions for the secure endpoint. Ivanti technology allows IT to secure and simplify workspace control at scale across physical, virtual and cloud-delivered desktops. Ivanti solutions have been deployed by 3,600 enterprises worldwide to 9 million endpoints. Ivanti is now part of the Ivanti family with offices around the world. For more information please visit

www.Ivanti.com

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Ivanti Performance Manager features:

System resource entitlement

Define resource reservations and limits for users or applications through policies for CPU, memory and disk management. Application states may also be included to provide precise control over applications delivered to physical and virtual desktops as well as shared-use environments such as server based computing.

Disk Resource Management

Prevent I/O Request Packet (IRP) bottlenecks from impacting mission critical applications. Disk Resource Management prioritizes the IRPs in accordance with business policy, ensuring disk availability to specific applications by preventing less important processes from creating bottlenecks.

Application discovery mode

Application discovery mode gathers the information required to create application groups by quickly scanning target devices. All applications and processes along with property information such as network path are detailed in a comprehensive report. Application groups are created by selecting applications and processes from the report.

CPU Smart Scheduler™

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

Thread Throttling™

CPU thread throttling policies automatically trigger when the system is heavily loaded and apply gradual throttling to any runaway threads within each process, preventing rogue processes from consuming excessive CPU resource and reducing the quality of service for all other users on the hardware.

Physical memory control

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

Virtual memory optimization

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

Virtual memory limits

User memory limits can be applied to restrict the amount of virtual memory utilized. Users can be warned, and then prevented from launching additional applications, when virtual memory utilization reaches critical levels. Application memory limits can also be applied to individual applications giving greater control over virtual memory consumption and on a per application basis.

CPU application limits

Administrators can also define hard CPU limits, to restrict an application's access to processor resources. For instance, if an application is limited to 70 percent then it will never be allowed to use more than 70 percent of the CPU resources.

CPU reservations

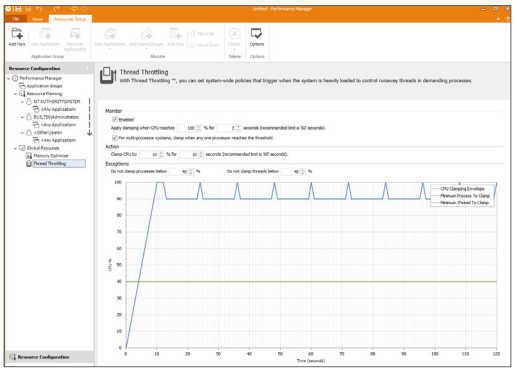
Define CPU reservations to provide mission critical applications with a guaranteed minimum resource allocation. For example, if an application is allocated a reservation of 20 percent it will continue to get priority access to the CPU while it is using 20 percent or less of the CPU resources.

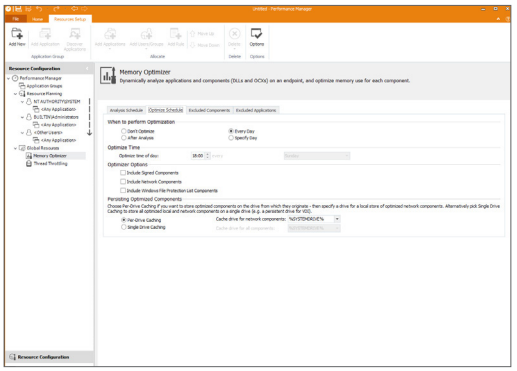
CPU affinity assignment

Guarantee processing power goes where it's most needed. On multiprocessor systems, policies can be assigned which bind specific users and applications to a CPU. This allows mission critical applications to run exclusively on a dedicated CPU.

Statistical analysis and reporting

Report on CPU, Memory and Disk usage at the process level on a per user or application basis. Tabular reports and graphs are used to report on defined events to show resource consumption and optimization. When used in conjunction with Ivanti Management Center, alerts can be raised when configurable events are triggered.





Ivanti configuration templates

Take full advantage of pre-built corporate policy best practice by importing Ivanti configuration templates. Ivanti Performance Manager is able to import an unlimited number of resource configurations and use these in combination. A selection of configuration templates, such as "BoostOffice" to prioritize resources to the MS Office application set, is available from www.my-Ivanti.com. This template library is maintained and updated frequently.