# PAWZ *Performance Analysis Web Zone*

*Keeping your multi-platform systems performance in harmony*

Managing the performance of computer systems, especially in today's distributed, heterogeneous environments is a challenging task. Performance Analysis Web Zone (PAWZ) from PerfCap Corporation meets the challenges that IS managers face by providing a secure, Web-based performance management of the IT infrastructure. PAWZ allows users to view and analyze performance data, whether historical or real-time, via an Internet/intranet connection using a Web browser. With a simple connection and password, you can view high-level or detailed system performance information, including major system components.

PAWZ will send you notification when selected metrics exceeds user-defined thresholds.

By automating the performance monitoring and capacity planning process, your IT professionals can focus on solving your business problems.

PAWZ brings system performance to your fingertips.

- Fully automated performance reporting tool
- Automated capacity planning
- Secure, Web-based view of performance information from any system, anywhere
- Common data collection for performance management and capacity planning
- Easy to set-up and operate

***Supported platforms:***

- Sun Solaris (SPARC/x86)
- HP-UX (PA RISC, Itanium)
- IBM-AIX, LPAR
- Windows (Itanium, x86) 2000/2003/2008, XP
- HP-Tru64 UNIX
- HP-OpenVMS
- Linux (Redhat, SuSE)
- VMware (ESX, ESXi)
- EMC

PerfCap Corporation

# PAWZ Features

## Easy to use

PAWZ's three-tier client-server architecture allows you to monitor large numbers of heterogeneous systems in a very efficient manner. Its advanced design transfers all computational overhead away from production servers to a dedicated PAWZ Server resulting in minimal overhead on the production servers. By following the simple wizard interface, PAWZ products can be easily installed by anyone. Up to 800 systems can be monitored from a single PAWZ server requiring minimal ongoing attention for a smooth operation. Each node to be monitored can be customized for sampling rates, scheduled data download times, how long to retain data in the database or on the remote node, defining peak hours, workload definitions, etc.

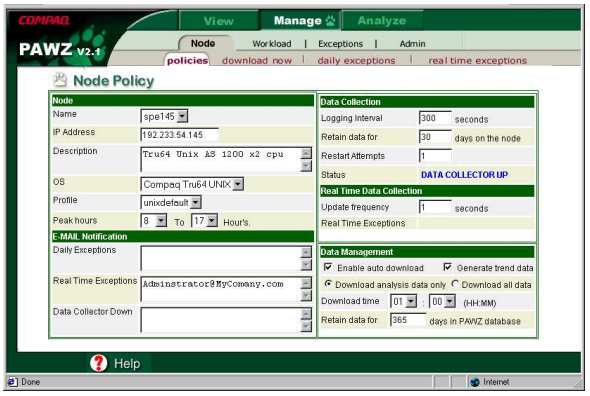
## Daily Standard Reports

To accomplish detailed performance management, data collection of specific performance metrics needs to be gathered daily on every monitored system. Producing reports for hundreds of systems can be tedious and expensive. PAWZ generates of set of key performance reports automatically every day for major and sub metrics including: CPU, disks, memory and network statistics. These reports can then be viewed from any corporate desktop using a web browser. Reports can also be generated on demand for any time interval. Drill down capability allows one to generate reports for any collected performance metric for detail analysis.

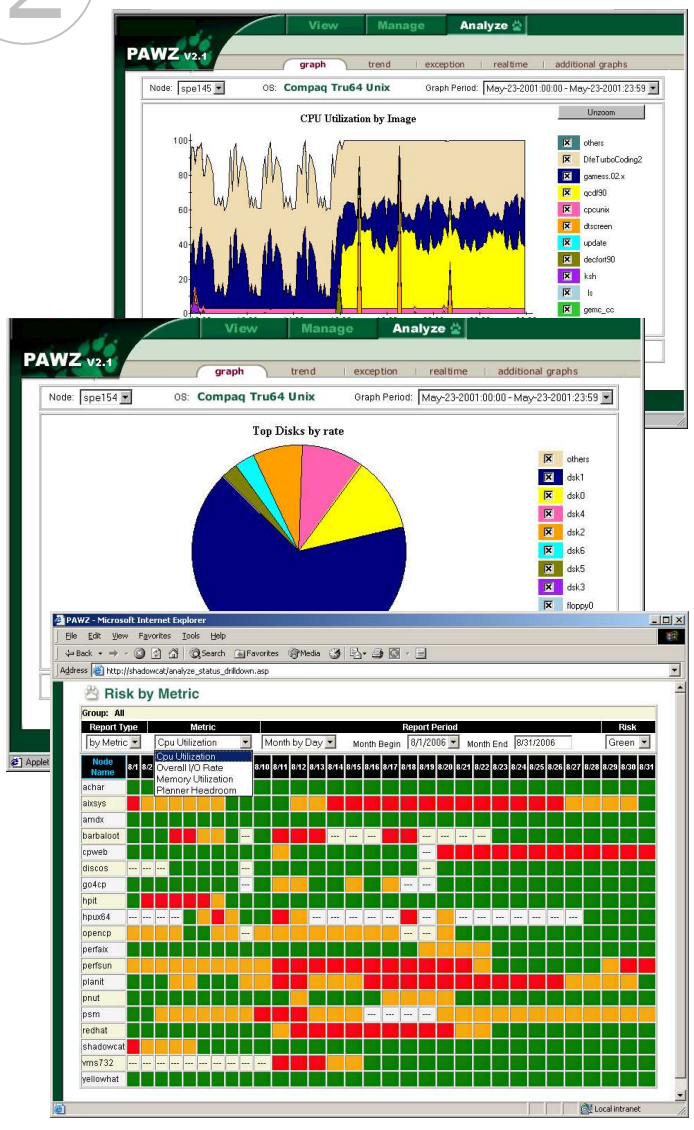
## Trend graphs and Risk Analysis

Crucial for analysing problems, PAWZ provides an easy to use, Web-based view of historical performance information. The system's CPU, memory, and I/O can be evaluated in detail. Short or long term system trends can be analysed to study potential risk. Senior management can be provided with status of each system or a group of systems in the form of risk scorecard.

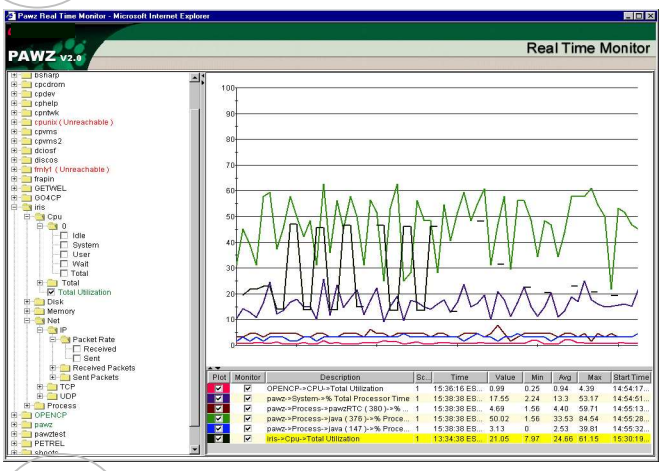
1 ➢ Performance Management of Large Number of Systems




2 ➢ Automated Performance Reports



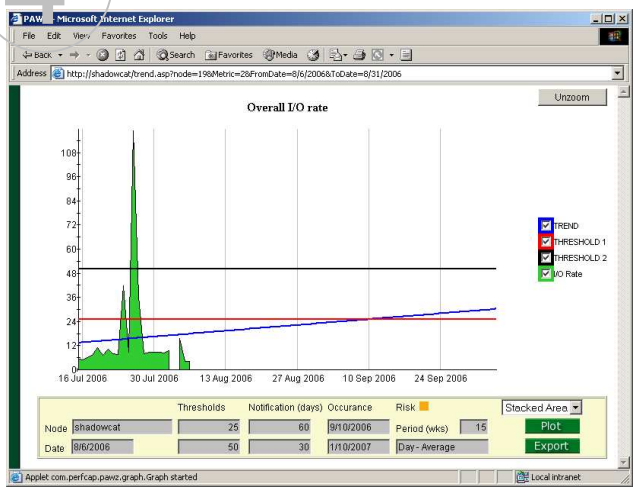
## 3 ➢ Monitor Any Metric Anywhere In Real Time




### Real-time Reporting

PAWZ provides real-time reporting for all system performance metrics. Real-time access to system performance information, which includes analyzing multiple systems simultaneously, provides managers with a constant up-to-the-minute view of their systems. A large list of system attributes are available to monitor and these attributes can be accessed using a simple pull-down list.

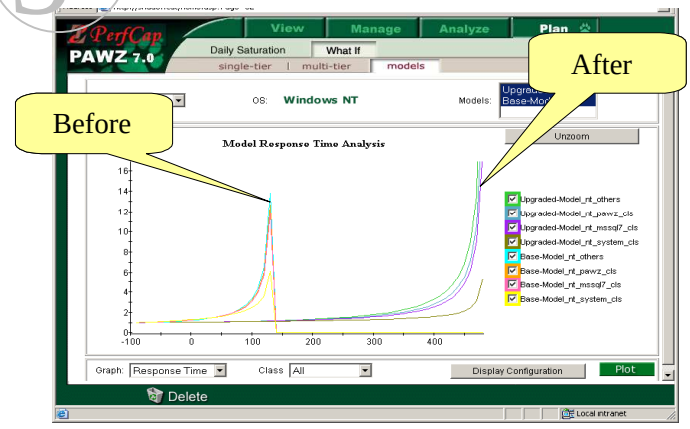
## 4 ➢ Anticipate Risks




### Daily and Real-time Alerts Anticipated Risks

Managing a large number of machines can be a daunting task. To assist you, PAWZ can notify one or more users of potential performance problems either real time or once every day as a summary report. System administrators can easily define thresholds for any number of parameters. When these thresholds are violated for a pre-specified duration of time a notification is sent by email or a pager. This allows the receiver to take action to rectify the problem in real time before system performance degrades. PAWZ can also analyse trend of any metric and anticipate when the metric will exceed its user-defined threshold. Daily exception summary reports provide an efficient way to view systems experiencing performance problems. These reports can be mailed to one or more pre-specified users.

## 5 ➢ Saturation Analysis




### Automated Capacity Planning and Saturation, "What-if" Analysis

PAWZ Planner option runs a queuing network based capacity planner modeller each day to generate Saturation Analysis and determine when a server will run out of capacity. It will report on which component or device becomes the bottleneck at the saturation point. It will also generate a Headroom report showing how much capacity is left on each of the servers. A Headroom trend graph is provided to forecast when new systems will be required.

# PAWZ Components

## PAWZ has three main components:

- PAWZ Web Portal
- PAWZ Client
- PAWZ Planner

### PAWZ Web Portal

The PAWZ Web Portal is the key component of PAWZ. It runs on a Windows 2000/2003/2008 Server and performs various key functions. It requests and receives data from PAWZ Clients, processes that data then web-publishes a large assortment of performance, exception and capacity reports and graphs. Users can view performance and capacity planning reports using any browser within the enterprise. All data and reports are stored in a Microsoft SQL (2000, 2008) database. The PAWZ Web Portal is also capable of sending performance exception alerts via e-mail. It can also run daily capacity planning models for each monitored system to generate saturation analysis graphs, device utilization projections that detect bottlenecks and remaining headroom and headroom trends. It also, allows performing "what if" analysis using a browser. Since it is web based there is no limit on the number of concurrent users. **PAWZ Super Server** allows unlimited scalability to monitor remote systems. PAWZ Super Server is a virtual server and can co-exist with the PAWZ Server.

### PAWZ Client

PAWZ Client is installed on each monitored system. It continuously collects performance data on the target machine and transmits that data on a scheduled, *ad hoc*, or real-time basis to the PAWZ Web Portal. It is non-invasive and has a small footprint.

All major metrics are collected and can be drilled down to sub-metrics. It reduces data, characterizes workloads and creates base capacity planning models each day before sending them to PAWZ Web Portal. Most of PAWZ Client management functions, such as changing sampling interval, defining workloads, stopping/starting collections, can be performed from any desktop.

PAWZ Client is supported on IBM-AIX, HP-UX (PA RISC, Itanium), SUN Solaris (SPARC, x86), HP-Tru64, HP OpenVMS, Windows 2000/2003//2008/XP (x86, Itanium), VMware, EMC and Linux.

### PAWZ Planner

The PAWZ Capacity Planner is an option for the IT professional who needs to determine what computing resources are required to meet their future business growth. It uses a sophisticated queuing network modelling engine to analyze end-to-end performance of systems, networks and applications and to answer "what if" questions such as:

- What computing resources will be required when the business grows?
- When and which component will saturate next?
- What will the impact be on the current response time when a new application is added?

PAWZ Planner performs saturation analysis and computes remaining headroom capacity for each system every day. A headroom trend graph provides an estimate of when each system will run out of capacity

*PAWZ handles the chaos of managing enterprise system performance*

### System Requirements:

PAWZ Server requires Windows 2000/2003/2008 Server (Standard or Enterprise edition), Microsoft SQL Server 2000, 2005, 2008 Standard or Enterprise edition.

For more information on PAWZ, hardware requirements or our Capacity Planning Technology, send mail to Info@PerfCap.com or call +1 603-594-0222 or visit us at http://www.PerfCap.com.