

Job Management Partner 1 Version 8.0

Introduction to JP1/PFM

The logo for JP1 Version 8. It features the text "JP1" in a large, bold, white sans-serif font. To the right of "JP1" is the word "Version" in a smaller, italicized white font, followed by the number "8" in a large, bold, white sans-serif font. The background of the slide is a blue gradient with a stylized white grid pattern on the left and a bright yellow sun-like icon in the upper right corner.

Hitachi, Ltd., Software Division

September, 2007

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- 1. What is JP1/PFM?***
- 2. How Does JP1/PFM Work?**
- 3. Analysis with JP1/PFM**

***Job Management Partner 1/Performance Management is hereby referred to as JP1/PFM.**

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1. What is JP1/PFM?

1-1. Maintaining System Health

1-2. Obstacles in Monitoring Systems

1-3. What is JP1/PFM?

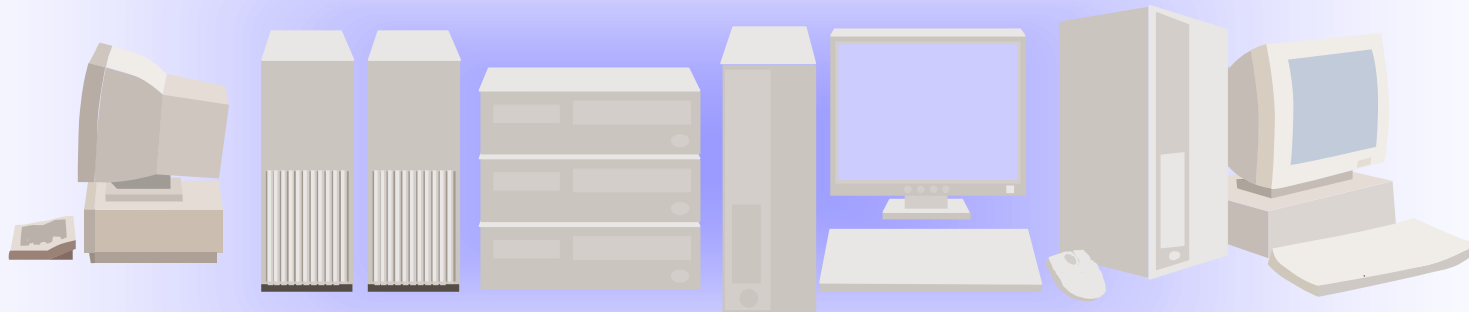
1-4. What Does JP1/PFM Do?

1-5. The Bottom Line

1-1. Maintaining System Health

It is Crucial to Maintain System Health

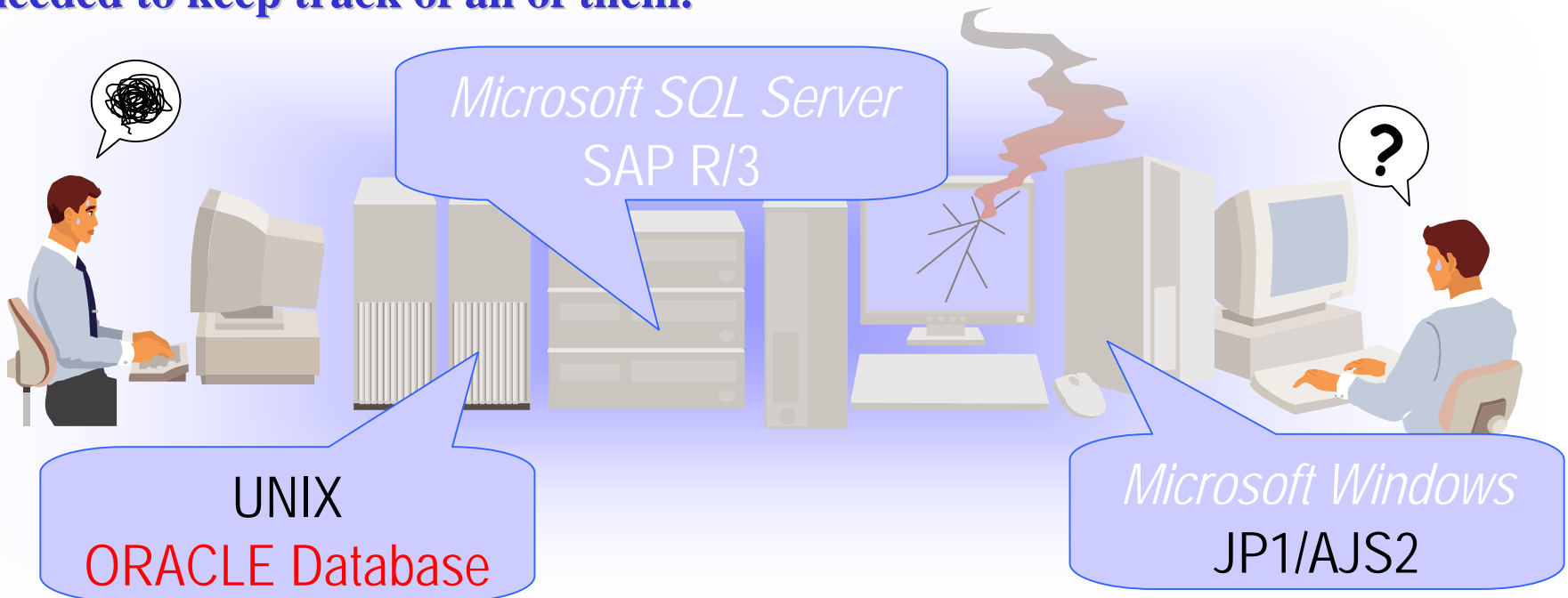
- System downtime, sluggish service, and other problems are big turnoffs for customers and severely curtail employee productivity.
- Monitoring systems is a prime method of maintaining system health, in turn providing high-quality, continuous service for your customers and your employees.



1-2. Obstacles to Good System Monitoring

Various Obstacles Prevent Good System Monitoring

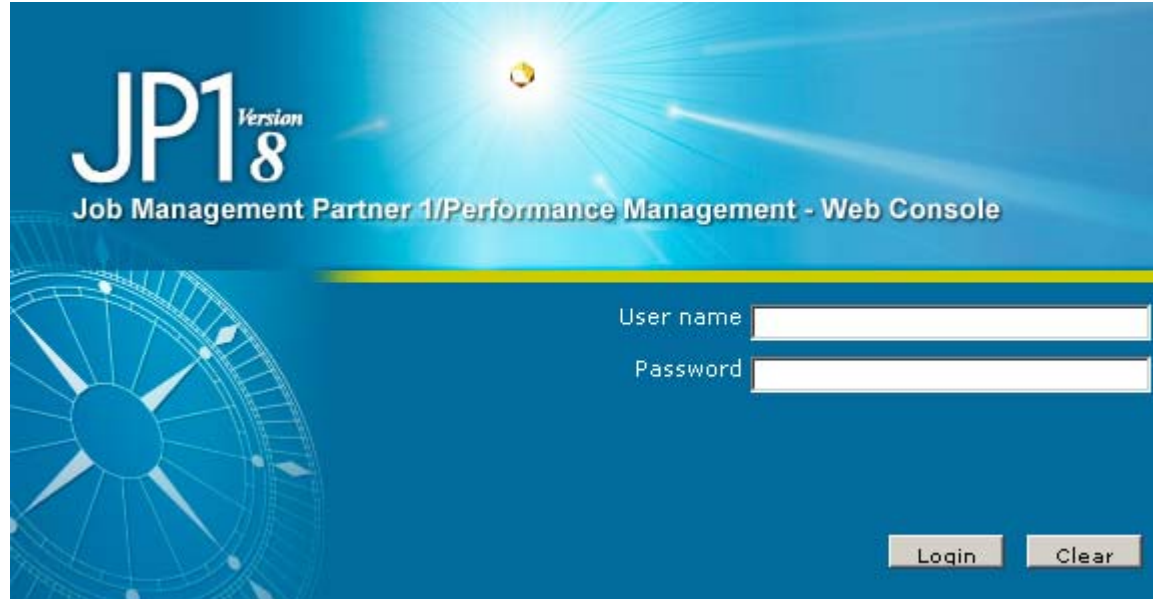
- Using a mish-mash of separate monitoring tools for the various operating systems, applications, and databases in a system is confusing, tedious, time-consuming, and unreliable.
- Learning to use all of these tools takes time, and many administrators are needed to keep track of all of them.



1-3. What is JP1/PFM?

JP1/PFM is a Central Monitoring Tool

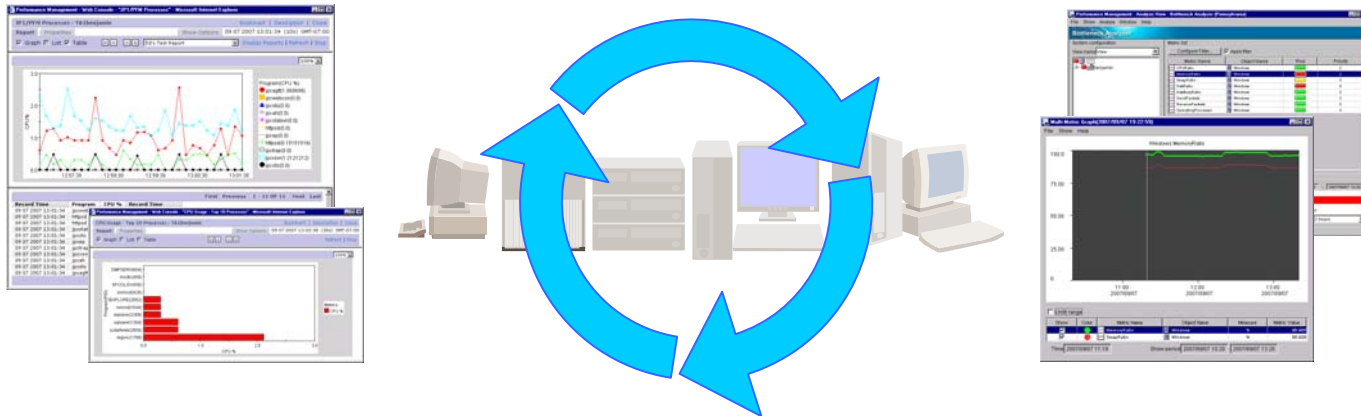
- JP1/PFM monitors different operating systems, applications, and databases all from one GUI, reliably and automatically.
- JP1/PFM is highly customizable and easily expandable.
- JP1/PFM is easy to use and can be accessed from any Web browser.



1-4. What Does JP1/PFM Do?

JP1/PFM Automates System Monitoring

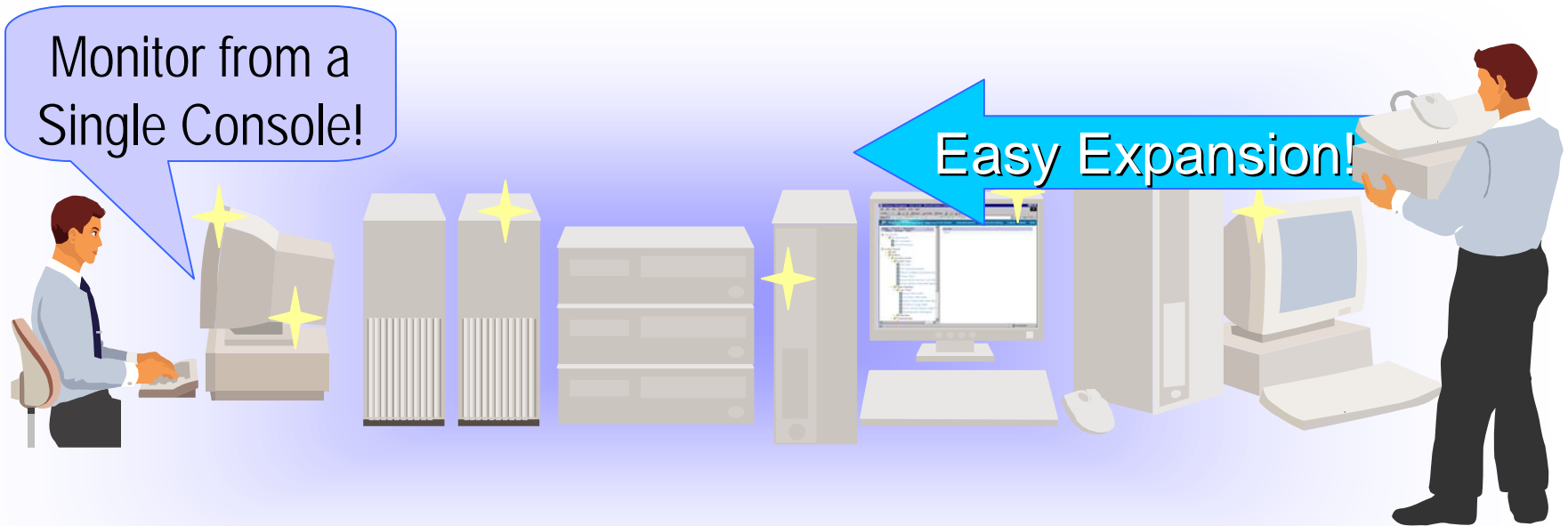
- Operating systems, databases, applications, and service response time can be monitored automatically, with automated responses or notifications when something goes wrong.
- Highly customizable reports can be output when needed, with drilldowns to further details or other, related reports.
- Past data can be analyzed to help administrators find bottlenecks and improve present systems, and also to predict future problems.



1-5. The Bottom Line

What Does This Mean For You?

- Monitor your system more reliably, with less effort!
- Maintain robust, high-quality service 24 hours a day, 7 days a week!
- Expand easily when needed, monitoring larger systems in the same way!



2. How Does JP1/PFM Work?

2-1. How Does JP1/PFM Monitor?

2-2. What are Alarms?

2-3. What are Reports?

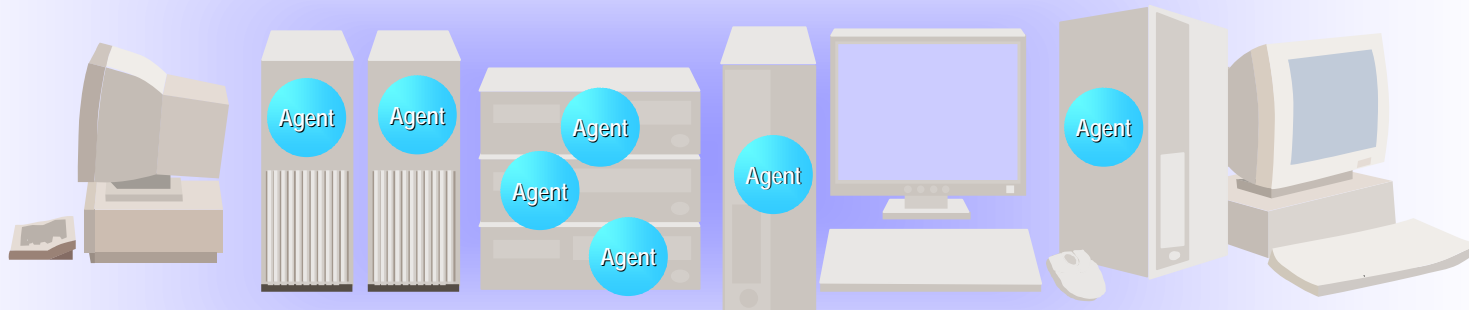
2-4. Web-Based GUI



2-1. How Does JP1/PFM Monitor?

JP1/PFM Uses Agents to Monitor on a Network

- Agents placed in machines send data to the Manager when needed, using minimal bandwidth
- Agents also gather and store important data at their respective machines



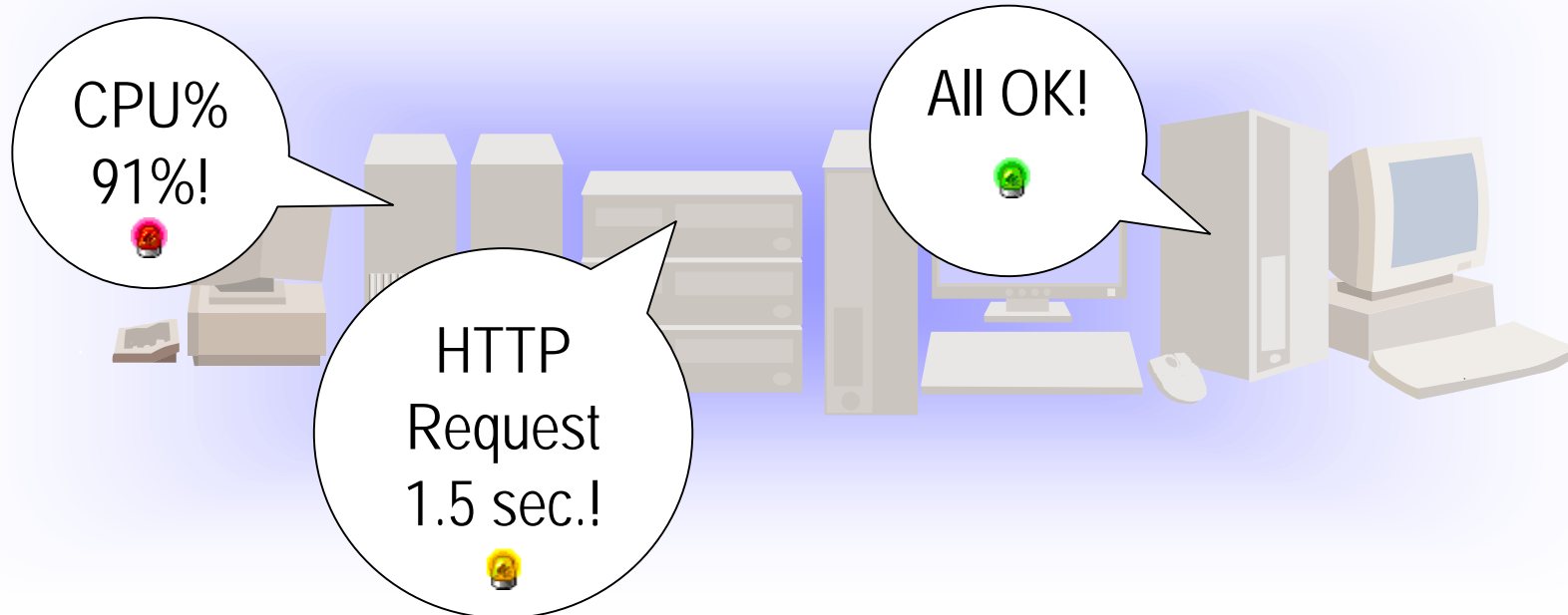
2-2. What are Alarms? (1)

Alarms React to Problems as Specified

- Alarms react at different levels of intensity, based on specific conditions
- Besides included default alarms, new alarms can be customized as needed

Some Possibilities:

- When CPU usage in a Windows or UNIX server is above 80%
- When the HTTP response time for a Web server is more than 1 second



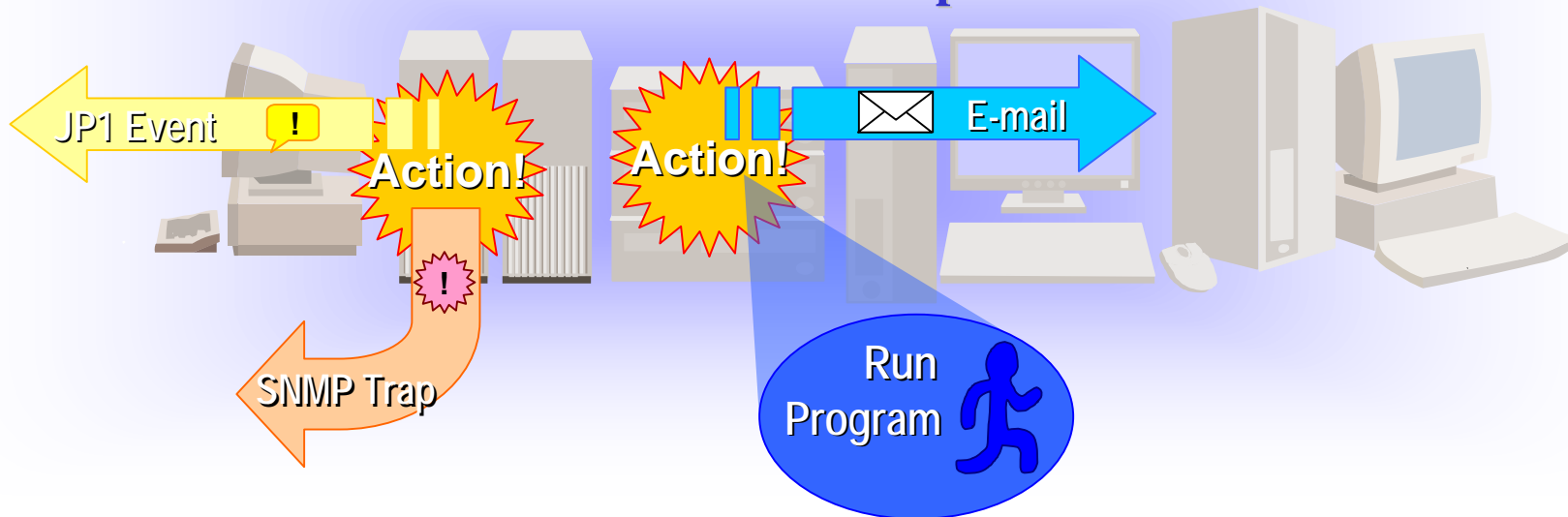
2-2. What are Alarms? (2)

Alarms Act in Response to Problems as Set

- Alarms can not only notify administrators of the current status, but also can execute other actions to more quickly mitigate problems

Some Possibilities:

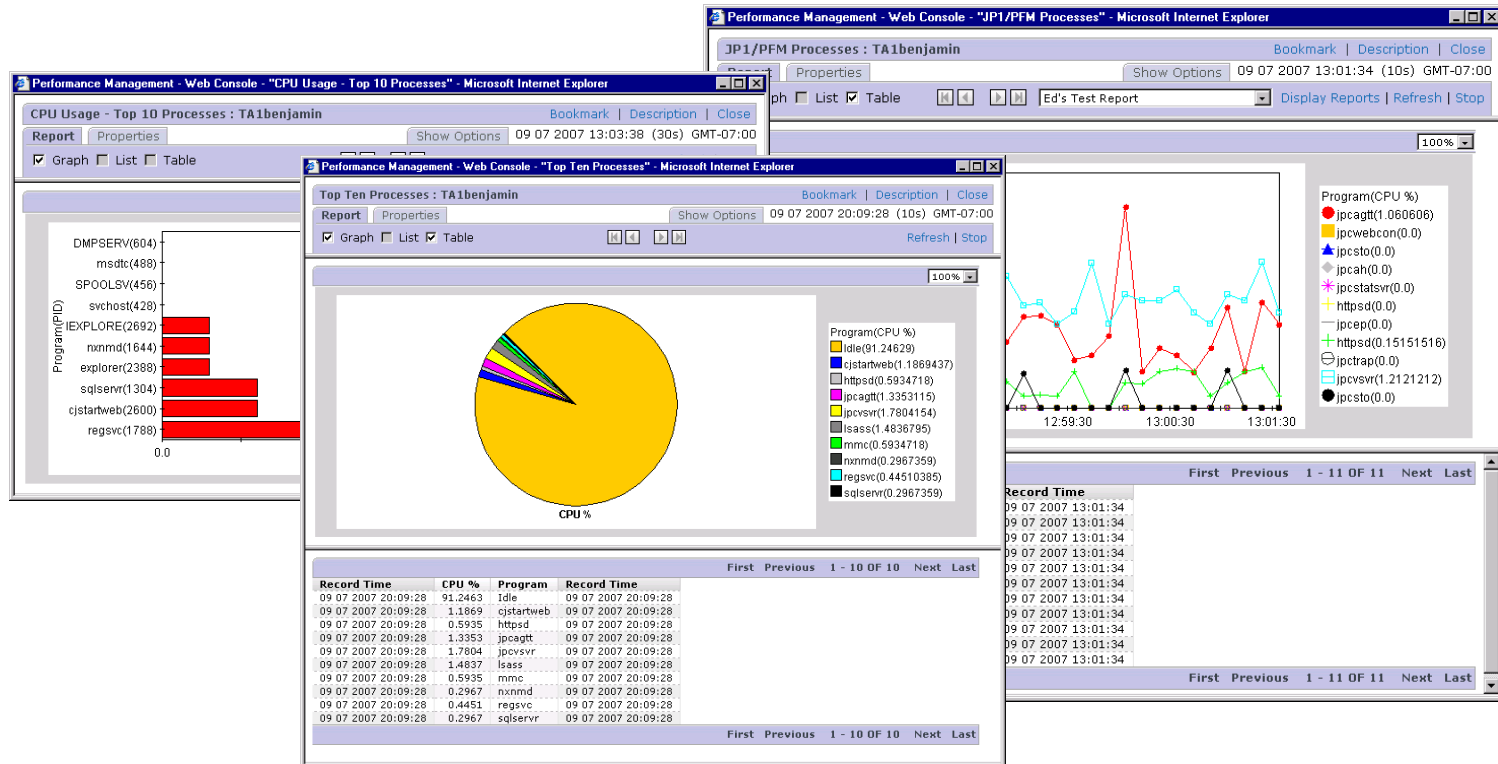
- Send e-mail to a certain administrator
- Send an SNMP trap to a particular network destination
- Run a program that troubleshoots the current problem
- Send a JP1 Event to link with other JP1 products



2-3. What are Reports?

Reports Display Detailed Status Information

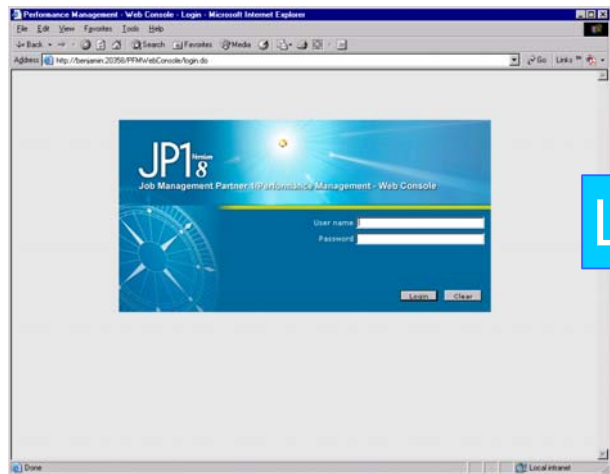
- Reports can display current status real-time, as well as past statuses
- Related reports are linked to alarms for easy access to needed information
- Reports are fully customizable, with various graph types and displayable data



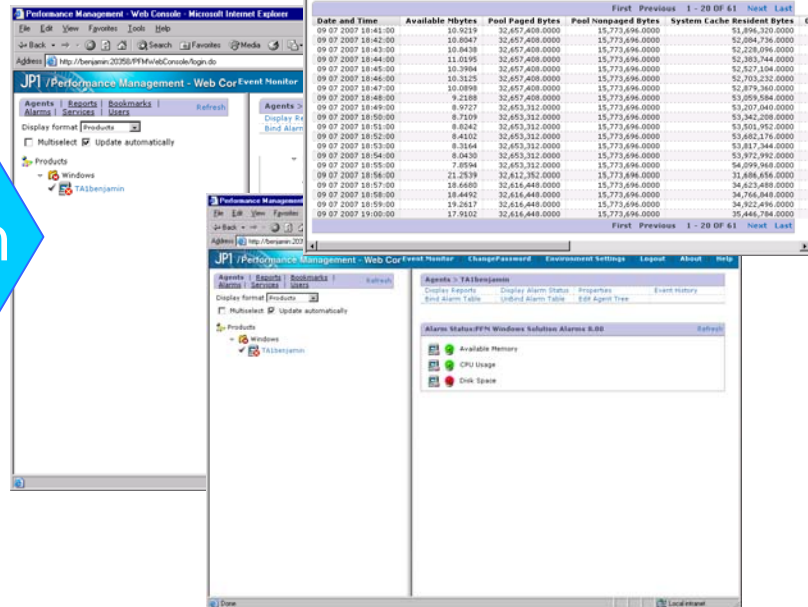
2-4. Web-Based GUI

Web-based GUI Allows Easy Access, from Any PC

- Convenient Web-based GUI can be viewed from any PC with an Internet browser for flexibility of use
- No need to separately install a viewer on administrator PCs



Log In



3. Analysis with JP1/PFM

3-1. JP1/PFM - Analysis

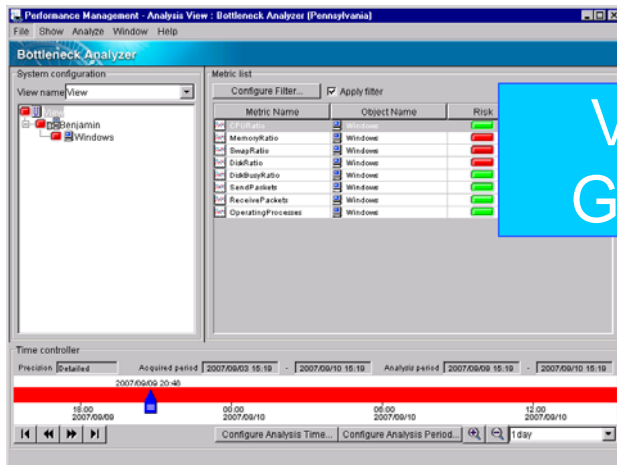


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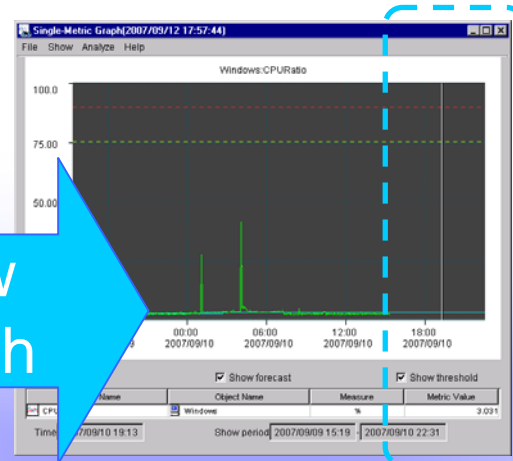
3-1. JP1/PFM – Analysis

JP1/PFM – Analysis Offers the Ability to Analyze Data:

- Predict problems before they occur, so that they can be better avoided
- View multiple data types together on the same graph

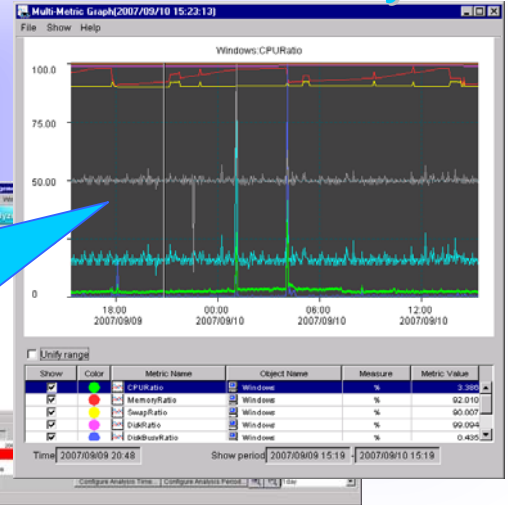


View Graph



Predict!
Analyze!

Multiple Metric Graph



3-1. JP1/PFM – Analysis (2)

JP1/PFM – Analysis Offers the Ability to Analyze Data:

- Analyze past data to discover hidden bottlenecks and trouble spots – so that systems can be fine-tuned for better performance

The image displays three overlapping windows from the Performance Management software. The leftmost window is the 'Bottleneck Analyzer' showing a list of metrics with risk levels. The middle window is 'Correlation Analysis' showing a table of metrics and their correlations. The rightmost window is a 'Multi-Metric Graph' showing a line graph of CPU usage over time. A large blue arrow labeled 'View Results' points from the Correlation Analysis window to the Multi-Metric Graph window. Another blue arrow labeled 'Correlation Analysis' points from the Bottleneck Analyzer window to the Correlation Analysis window.

Correlation Analysis

Metric Name	Object Name	Correlation
DiskBusyRatio	Windows	0.6
SwapRatio	Windows	0.4

Multi-Metric Graph

Show	Color	Metric Name	Object Name	Measure	Metric Value
<input checked="" type="checkbox"/>	Green	CPUUsage	Windows	%	3.520
<input checked="" type="checkbox"/>	Red	DiskBusyRatio	Windows	%	0.401

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Window screens and product specifications described in this document may be changed without notice.

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