BMC PATROL

What Does the PATROL Embedded Agent Do:
- Manages and Monitors Resource Utilization of I_2O™ I/O Channel
- Analyzes and Monitors I_2O I/O Traffic Utilization
- Monitors the IxWorks™ Operating System
- Manages and Monitors the Host OS
- Monitors and Manages the i960® Processor

Among the Features of PATROL:
- Automates Administrative Action By Pinpointing and Correcting Potential Problems Before They Impact User Productivity
- Utilizes Patent-Pending, Intelligent Autonomous Agent Technology and a Highly Efficient Architecture to Easily Scale From a Few Servers to Several Thousands
- Allows its Flexible Management Support to be Quickly and Easily Extended Across In-House or Non-Standard Applications

An Example of PATROL Knowledge Modules Currently Available or in Development For the Following:
- Internet Servers
- DB2 For AIX
- DB2 For MVS
- Informix
- Microsoft SQL Servers
- Oracle
- Oracle Parallel Server
- Oracle Symmetric Replication
- Rdb
- i960® RP I/O Processor
- IxWorks
- Sybase SQL Server
- SYBASE Replication Server
- Tuxedo
- MVS
- Open VMS
- UNIX
- Windows NT*
- Netware

SOFTWARE AND HARDWARE MANAGEMENT SOLUTION

Management out of the box is the answer. Management of thousands of software solutions and hardware platforms should not be an after thought. BMC Software and Intel are teaming up to deliver just that. When speaking about organizations (regardless of size) and their dependence on networks of PCs where high availability and high performance are critical to the enterprise and the success of the operation, planning how to manage critical mission applications, databases, and hardware is extremely essential to us all.

Intel responded by providing the i960 RP I/O processor, the industry responded by endorsing and supporting the I_2O committee and its specification. BMC Software responded to the challenge by providing management at that level which has not been addressed before.

BMC Software's products for application management are two-fold in their functions: automated management by exception and optimization of applications, databases, middleware, servers and networks. These are comprehensive solutions that improve performance while automating control of increasingly complex, multi-tier heterogeneous environments.

Patrol products offer proactive, real-time functionality including monitoring, alerting, auto-correcting and controlling of activities. Additionally, they provide increased productivity and data integrity with improved reliability of systems and applications.

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BMC
SOFTWARE

PATROL, ENTERPRISE WIDE SOLUTION

The PATROL management suite provides automated, proactive monitoring and management support for applications, databases, middleware, operating systems, and underlying resources across heterogeneous, multi-tier environments. PATROL continuously surveys related systems, identifies and corrects potential problems and initiates warnings based on predetermined parameters. PATROL also provides a suite of advanced data administration products to control and optimize heterogeneous RDBMSs.

HOW DOES PATROL PROVIDE MONITORING

By puting the agent on the channel processor, we can reduce the amount of management traffic accross the PCI bus to the I/O processor and we have the capability to provide tuning of I/O devices. PATROL Agent can provide management when the I/O device vendors have the ability to be managed. PATROL Agent can also provide monitoring capabilities for IxWorks and the i960 RP I/O processor.

The PATROL Knowledge Modules (KMs) show the user when things are and are not working in these systems and provide on going monitoring and management of many middleware products to ensure continuous peak performance and availability. PATROL keeps your system running at peak performance levels and high availability.

- Automatically discovers and then provides continuous monitoring support for the operating system across a LAN or WAN

- Monitors key components, including CPU, memory, disks, network communications, kernel (when applicable) and processes

- Tracks core availability and utilization parameters including peak usage of CPU and memory, number of processes running, current number of users, disk I/O rates, network overloads and more

- Provides detailed performance monitoring including throughput for the cache or buffer, paging and swapping rates, number of communications packets sent and received and more

- Identifies bottlenecks and responses draws, including excessive CPU waits, hung processes, process queue length, problem users or applications and more

- Initiates automated error correction routines when authorized to do so

- Provides convenient, menu-based access to commonly used systems administration tools and commands

- Maintains a complete history on all events tracked and resolved