

# BEZVISION



## Key Benefits

Better understanding of performance, resource utilization, and service level delivery

Automated “hands-off” early warning system to proactively avoid problems

Proactively identify service delivery problems and compare solutions quickly

Provide justification for remediation decisions

Set realistic performance expectations and continuously manage to those expectations

Reduce or eliminate service delivery problems

Reduce IT costs by reducing need to over provision

Easily adapt the IT infrastructure to support business

## Highlights

Growth projections can be based on user input or by utilizing automatic trend history analysis

Prediction engine supports a host of “what-if” scenarios: growth expectations, hardware changes, move JVMs or change number of JVMs, change thread pool or connection pool configuration, change memory allocation per JVM and more

Provides a clear mechanism for setting realistic performance goals and measuring actual data against those goals

Actual performance is constantly compared to predicted results. Automatic notification occurs when measured data begins to deviate from predicted values

Performance data collection using CA/Wily Introscope SmartStor

**BEZVision™** for Java™ EE Applications is a proactive performance management solution for IT management that can provide a business-oriented view of Java EE application resource utilization, performance, and service levels from the past into the future. Using BEZVision, IT organizations can proactively manage Java EE application server performance so that problems may be avoided, resource planning may be done more cost-effectively, and IT can better react as an enabler of business initiatives.



*BEZVision for Java EE Applications delivers the necessary ingredients for true Proactive Performance Management (PPM).*

## Proactive Solution for IT Management

BEZVision for Java EE Applications is a proactive performance management tool that is designed to provide IT management with the information that it needs to make critical decisions about application service delivery. Unlike other performance management tools that help technologists quickly resolve problems in the Java EE infrastructure after the problem occurs, BEZVision for Java EE Applications is a management oriented tool helping IT management to:

- Anticipate and avoid service delivery problems within their application infrastructure
- More effectively apply IT resources to support the goals of the company now and into the future
- Understand the repercussions of both planned and unplanned changes to the application environment
- Understand the impact of and plan for new business initiatives
- Help make intelligent people and resources decisions
- Foster a meaningful collaboration between management, users, and IT

## Putting a Business Lens on IT

BEZVision is a management solution that bridges the gap from technical performance data to actionable business information about resource utilization, performance, and service levels.

## Workloads

In BEZVision for Java EE Applications, workloads are accumulated metrics at a JVM or JVM cluster level, including both inbound (HTTP) and outbound requests (file I/O, SQL and database through JDBC, and to other systems). BEZVision for Java EE Applications transforms performance data captured by other sources into actionable information that is easy for management to understand and to use to support critical IT decisions.

## Automated Service Level Breach Notification

Beyond providing a business oriented understanding of application resource utilization, performance, and service levels, BEZVision for Java EE Applications provides an automated early warning system that will identify and notify of *abnormal trends*, *performance objective breaches*, and *actual vs. expected variations* for problems that may arise near term and well into the future.

## Workloads Over Time

BEZVision provides IT management with a view of workload performance information in the past, present, and future. Over time, BEZVision will allow IT management to move from near-term tactical planning to long-term strategic planning performing tasks such as:

- *Change Impact Analysis* – Allowing IT to know the impact of changes before they make them
- *Activity Profiling* – Allowing IT to evaluate and compare multiple scenarios to make informed performance decisions and provide tangible justifications for the decisions and changes they make

- *Performance Planning* – Allowing IT to plan performance well into the future as well as effectively assessing risks to the application infrastructure and performing business continuity planning

### Workload-Oriented Analytics & Predictive Capabilities

Detailed measurements, workload-oriented analytics and powerful predictive capabilities combine to help IT align more closely with the needs of the business. With BEZVision for Java EE Applications, IT can model and understand the impacts of things such as:

- Activity growth
- Hardware changes (CPUs, CPU speed/quantity, Number of Nodes, Vendor, Model, etc.)
- Change the number of JVMs supported per node
- Move JVMs to different nodes
- Change thread pool configuration
- Change connection pool configuration
- Adjust the ratio of backend requests per user transaction

### Data Collection

Raw data is collected from different sources within the infrastructure: the Operating System, and the Java EE application server such as BEA WebLogic or IBM WebSphere. This data is aggregated and aligned on an hourly basis to provide a comprehensive profile of the data service delivery that was attained and provide the basis for predictions.

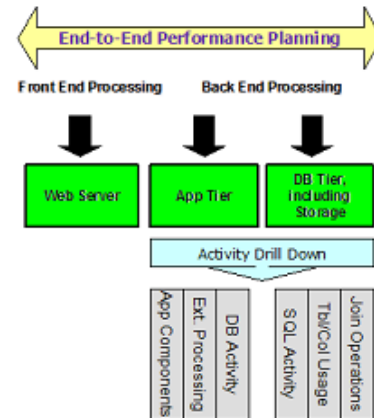
BEZVision for Java EE Applications supports the CA/Wily Introscope SmartStor repository to retrieve the data that it needs for performance measurement, automated service-level breach notification, and workloads analytics and predictions.

### Leveraging and Extending CA/Wily Introscope

BEZVision for Java EE Applications enhances CA/Wily Introscope to include consolidated analytics across JVM clusters, and performance prediction capabilities. When used with BEZVision for Oracle Databases, BEZVision will also provide unparalleled visibility into the Oracle database tier with multi-tier analytics and prediction capabilities.

### BEZVision's Components

BEZVision has two components – BEZVision for Java EE Applications and BEZVision for Oracle Databases. Combined, BEZVision for Java EE Applications and BEZVision for Oracle Databases provide an unparalleled and unique multi-tier performance management solution that allows an IT organization to understand and proactively manage performance across all of the application delivery tiers: web server, Java EE application server, and Oracle database server. BEZVision for Java EE Applications may be licensed alone or with BEZVision for Oracle Databases.



## **Technical Specifications**

### **Monitored Server Support:**

#### *Operating Systems*

- AIX - 5 or later
- HP-UX - 11 or later
- Red Hat - RHEL 3 or later
- Solaris - 8 or later
- SuSE ES – 9 or later
- Windows 2003 or later

#### *Java EE Application Servers*

- BEA WebLogic® - 8.1 or later
- IBM® WebSphere® - 6.0 or later
- JBoss® - 4.0.5 or later
- Oracle Application Server – 10g or later

#### *Wily Integration*

- CA/Wily Introscope 7.0 or 7.1
  - Enterprise Manager
  - Introscope JVM Collection Agent
  - Environment Performance (EP) Agent

### **BEZVision Application Server Requirements:**

#### *Operating Systems*

- Windows 2000, 2003, XP
- RedHat, SuSE Linux, Kernel v2.4+ (w/SUN JRE 1.4.2+)

#### *Repository Database Versions*

- Oracle 9i, Oracle 10g

## **About BEZ Systems**

BEZ Systems is an innovator in the emerging market for Proactive Performance Management (PPM) solutions. PPM provides a line-of-business view of application and Oracle database resource utilization that allows the enterprise to accurately profile both current and future application performance, compare change and growth alternatives, forecast results to set expectations and verify actual performance results versus predictions. BEZ Systems empowers IT to manage change, set realistic expectations, justify provisioning actions and ensure the delivery of consistent, uninterrupted data service to the business at the lowest cost. component of verifying that business objectives and performance goals can be met, thereby minimizing any shortfalls in service.

### **Contact us for more information:**

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