Product Flyer

ActiveBase Priority™

Application Scalability, Performance and Resource Prioritization

The exponential growth of data and business requirements in dedicated and consolidated database servers create **resource peaks** causing **SLA deterioration** and **productivity is lost**. Consequently, costly computer resources are acquired to resolve these resource peaks, creating under-utilization and superfluous purchase of hardware and software.

ActiveBase Priority software gives you the power **to align in real-time computer resources with business objectives and priorities** to optimize performance, mitigate risk and reduce costs.

"Using ActiveBase software made our business reporting ten times faster and more efficient, saving substantial resources and enabling us to expand while still maintaining our existing server."

Ms. Limor Malay, DW Division Manager
Orange

Using operational dashboards and automatic resource management rules, it dynamically identifies resource contention and allocates server CPU and I/O resources to important business transactions, jobs, batches, cycles, modules and even Oracle instances.

It is easy to deploy and **does not require any changes in application code or database configurations**.

Immediate Results

- **Save** on costly hardware upgrades and software licensing.
- **Improve** business transaction response time.
- **Guarantee QoS** and provide predictable service levels to important business transactions, batches and cycles.
- **Automate business priorities** through powerful Rules.
- **Control user activities** by blocking performance degrading SQL queries and unplanned jobs
- **Empower operational staff to react and resolve immediately resource outage conflicts**
- **Prevent Server from reaching resource outage using powerful rules**

Operational Dashboard

activebase

What if your applications run slow while performance deteriorates?

How can you manage and prioritize computer resources between on-line users, analysts, jobs, batches, and cycles?

How can you manage multiple Oracle instances on a single server?

How It Works

ActiveBase Priority server includes four components:

1. A **Process Manager** component that throttles server and Oracle user processes
2. An **Oracle monitor** combined with an **OS monitor** that identifies in real-time server resource utilization and OS processes, monitors Oracle instances, active session transactions and execution statistics.
3. A **Management Console** including a **dashboard** enables operators and DBAs immediate intervention during peak times to allocate resources to the important business transactions.
4. A GUI **Rule Engine** enables users to easily define and manage custom **Rules** that
   - ✓ Identify resource contentions,
   - ✓ Prioritize business transactions, sessions and groups of sessions>
   - ✓ **Allocate database server resources (both CPU and I/O) accordingly or block 'query-from-hell' requests.**

   Rule conditions include specific client and session info, SQL matching patterns, session parameters, time, OS processes and timely database resource levels.

   Use cases examples:

   1) Improve response time of CRM on-line user requests by shifting processing resources from low priority jobs, batches and long-running reports, guaranteeing at least 50% server resources to call center.

   2) Rules ensure that the billing cycle is always completed in due time by managing the allocation of adequate CPU and I/O resources.

   3) Rules prevent reaching resource outage, example: identify situations when CPU exceeds 85% and apply preventive actions like – limit all analysts to less than 10% CPU and I/O consumption so that total server resources do not reach 100% outage.

Highlights

ActiveBase Priority software module is transparently installed on the database server.

It automatically applies predefined and user-defined rules that change CPU and I/O allocation to operating system processes and active Oracle sessions/ instances, or blocks inappropriate application jobs, reports and ad-hoc queries.

Supported platforms:
AB*Priority supports all applications using Oracle databases. It is available on Solaris, AIX, HP-UX and Linux platforms.

www.active-base.com