

Active Data Warehouse Performance Management and Capacity Planning

Plan, Manage and Control Active Data Warehouse Performance

Many business processes rely on the ability of the Active Data Warehouse (ADW) to be able to load and access data concurrently by OLTP and Decision Support System (DSS) workloads. Concurrent support for OLTP and DSS workloads can create significant contention for resources, so enabling an ADW requires that IT evaluates and controls how the environment is architected and managed.

During the planning of ADW implementations, the level of concurrency, the initial priority of business workloads and user logon parameters are specified. After the implementation of the ADW, the performance measurement data must be analyzed to quantify resource consumption and evaluate whether-or-not service levels for major business workloads are being satisfied. The workload priority settings, DBMS parameters and scheduling decisions must be periodically reevaluated and changed to ensure that the most important business workloads continuously receive satisfactory levels of service.

Leverage the Industry Experts

Planning and managing an ADW environment requires analysis of many options and tradeoffs, including application and database design as well as the assignment of priorities to ensure that the most critical business processes will receive satisfactory service. Wrong decisions not only can reduce the return on data warehouse investments, but they can also negatively affect business competitiveness.

BEZ Systems offers the *ADW Performance Management and Capacity Planning ProService Pak* so you can benefit from industry experts to understand your ADW performance requirements and ensure that they are met—now and into the future. BEZ will review your business requirements and develop capacity planning and performance management recommendations to improve the effectiveness of your ADW applications.

Our Strategic Performance Management methodology supports DB2 UDB, Teradata and Oracle and provides a framework for continuous performance management of a dynamic ADW environment. BEZ software is used to perform workload characterization and to predict the impact of different planning and performance management options and alternatives, and experienced BEZ performance experts will help you understand the tradeoffs and they will develop recommendations to ensure the success of the ADW.

ProService Paks from BEZ Systems

BEZ provides the expertise to help you implement best practices for ensuring results. We offer our Strategic Performance Management methodology to help you implement best practices. Services are available in the form of “Paks”, which are pre-defined service offerings that assist customers in the implementation and roll out of BEZ solutions. You can harness the power of BEZ technology and swiftly take advantage of the robust features of BEZ software. Each ProService Pak focuses on the customer’s specific needs and offers clear deliverables.

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BEZ ProService Pak Datasheet

Customer Responsibilities

The *ADW Performance Management and Capacity Planning ProService Pak* requires the assistance of a DBA during the product installation. You provide a dedicated PC and your DBA performs the initial setup of the BEZ software, with assistance from BEZ. You also provide workload and database growth assumptions, and any proposed hardware upgrade alternatives you are considering. Since most of the service will be provided from BEZ headquarters, we will require remote access to the local PC running BEZ software.

Services To Be Performed By BEZ

The *ADW Performance Management and Capacity Planning ProService Pak* will be completed in one month. A BEZ performance optimization expert will conduct the initial interview to understand your ADW environment and your business and technical challenges, identify key participants and document the assumptions for the engagement. The BEZ professional services engineer will also explain the process and deliverables to your team.

BEZ will support product installation and collect measurement data during one week and then perform a workload characterization and build resource and data usage profiles of the major workloads. BEZ will define typical processing periods, such as nightly, daily, weekly, monthly etc., and then identify major workloads for each of period.

A performance expert from BEZ will build models to evaluate various priority assignment schemas for each period to justify the solution that can satisfy business requirements. BEZ will conduct a quantitative performance tuning analysis to recommend tuning actions and then provide quantitative feedback on the impact of tuning recommendations on each of the affected workloads. BEZ will project the impact of expected growth and changes and provide a report and a presentation with performance management and capacity planning recommendations.

About BEZ Systems

BEZ Systems is the leading provider of predictive performance management solutions. Companies with large database applications, such as data warehouses, rely on BEZ software and BEZ ProService Paks to help them consistently deliver expected service levels to business users. BEZ software delivers the ability for IT to look ahead and proactively plan and manage resources and data so they can focus on satisfying the most critical business requirements. In this way, BEZ software complements the many existing database performance monitoring and tuning technologies used by IT to react to problems.

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