MetricsAnalysis for IBM DB2

MetricsAnalysis

MetricsAnalysis provides a Low Cost High Value service. It differs from traditional methods in that no knowledge of IBM DB2 or product specific knowledge is required by the client.

As a direct result of this, MetricsAnalysis can be deployed across multiple environments without the worry of having skilled staff available to analyse the output.

Traditional Analysis

A traditional analysis starts with identifying a suitable product to be used for the analysis.

The product must be installed, configured, learned and operated.

This is a long term commitment requiring a lot of both time and money.

MetricsAnalysis	Traditional Analysis
No Knowledge Required MetricsAnalysis requires no client DB2 knowledge. No complex interface to understand or use.	**Product Specific Knowledge** Traditional methods to analyse DB2 are etiher a DBA solution based on extensive knowledge, experience and web based searches or a vendor software product. Both of these take time to understand, use and maintain.
Low Cost High Value Buy a one-time analysis or more. You are in control of how many analyses you use and as a result how much cost you have.	**Software Expensive to buy and operate** To identify a solution, buy, install, configure and operate it is time consuming and costly. Most solutions have a server and/or processor based licensing model. As a result, many sites do not operate a solution other than in Production.
Knowledge As A Service MetricsAnalysis has the DB2 knowledge enhanced by a bespoke Data Warehouse, Data Mart and Reports designed and built using IBM DB2 Best Practice.	**DB2 Specialist Knowledge** In addition to learning the analysis software, a deep understanding of DB2 and knowledge of it's configuration options and design concerns is required.

Knowledge As A Service

MetricsAnalysis for IBM DB2

SDLC Focus
A large part of operational issues occur when a project is released into Production.

MetricsAnalysis provides a low cost analysis and licensing model, meaning it can be used across the complete software lifecycle to reduce risk and provide assurance of the project DB2 deliverables.

Operational Focus
As a direct result of the cost in licensing the analysis software and the specialist skills required to install, configure, maintain and operate it, most IT departments only operate it in a Production environment.

Why MetricsAnalysis?

MetricsAnalysis enables you to take the pressure and stress away from analysing and validating your DB2 workload.

MetricsAnalysis has 5 bespoke reports that are used by a MetricsAnalysis DB2 Specialist to understand your DB2 workload.

These are

- Top Down Analysis – a traditional DBA style analysis.See http://www.metricsanalysis.co.nz/the-reports/top-down-analysis
- Time Spent Analysis - Time spent metrics are key indicators of where processing and waits are occurring. See http://www.metricsanalysis.co.nz/the-reports/time-spent-analysis
- Package Cache Analysis - an analysis of key metrics of SQL statement execution, summarised at the package cache level. See http://www.metricsanalysis.co.nz/the-reports/package-cache-analysis
- SQL Analysis - analyses the SQL statements identified as being in the top 10 resource consumers for 15 sets of metrics. See http://www.metricsanalysis.co.nz/the-reports/sql-analysis
- IO Analysis - I/O performance has the greatest impact on the performance of DB2 and its applications. See http://www.metricsanalysis.co.nz/the-reports/io-analysis

Using the reports the specialist can identify

- a mis-match between the workload and your DB2 configuration.
- Poorly executing SQL
- Poorly coded SQL
- Bottlenecks at the System, Application and SQL level

The result of the analysis by the specialist is a set of recommendations in priority order for making

Knowledge As A Service

improvements to your system.

Benefits of an Analysis

The reasons for doing an analysis depends on who you are, where your business is and what you want to achieve.

You may be considering moving to a virtualised environmnet and want to ensure that before migrating that you are operating in a CPU and I/O efficient manner.

You may be about to embark on a project and want to reduce the risk associated with DB2 deliverables.

You may be a consultancy wanting to add DB2 analysis to your portfolio.

You may be operating a BAU environment with DB2 but no DB2 skills.

See http://www.metricsanalysis.co.nz/about-you

To understand the MetricsAnalysis Unique Value Proposition, please see http://www.metricsanalysis.co.nz/unique-value-proposition.

Supported Environments

MetricsAnalysis for IBM DB2 will work with DB2 LUW Version 9.7, 10.1, 10.5 and 11.1.

DB2 Purescale and DPF are not currently supported.