EPV Graph for DB2

IT Cost under Control

EPV Graph for DB2 Overview

EPV Graph for DB2 is a graphical extension of EPV for DB2 allowing to analyse in a simple intuitive way the most important KPIs of DB2 subsystems and workloads.

All graphs are automatically produced and included in static HTML pages, enriched by powerful Javascript functions, without any human intervention.
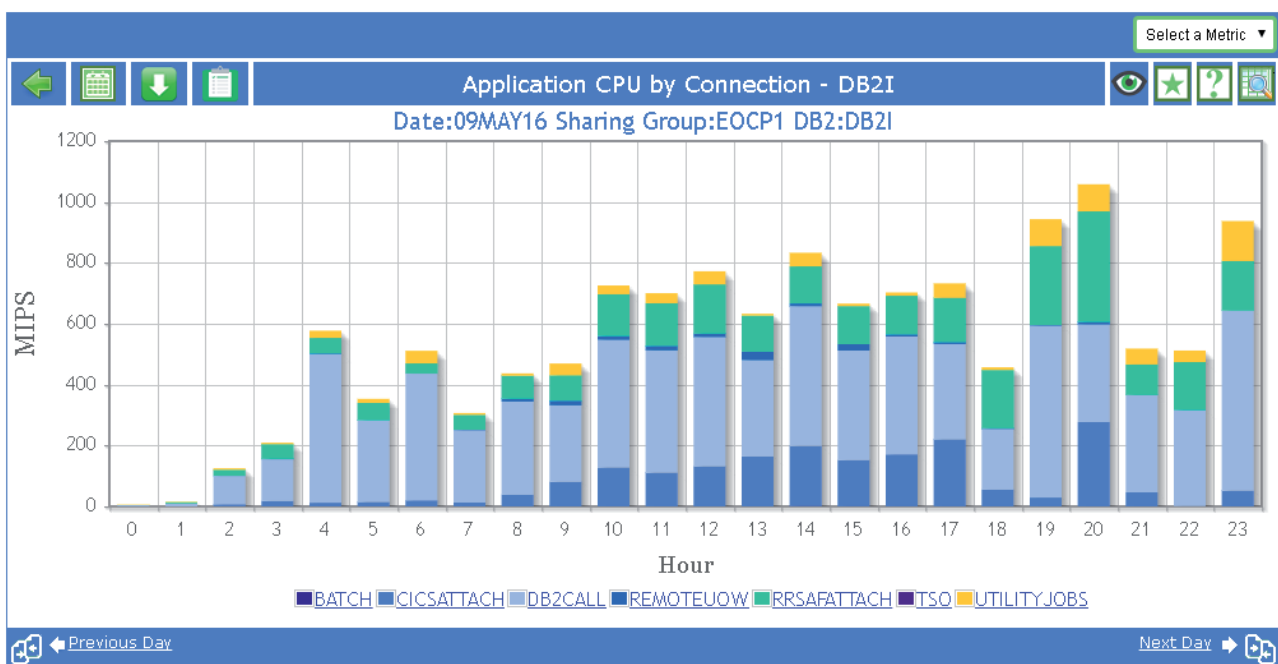They can be published on any web server and accessed by any "browser".

Using drill down techniques it's possible to navigate in the graphs by following pre-defined paths which makes it possible a quick and easy analysis even of complex environments.

Produced graphs are ready to be used from any word processing tool and can be easily included in documents, studies, reports and presentations.

EPV Graph for DB2 provides:

- daily profile of CPU and zIIPutilization due to DB2 System Address Spaces; you can navigate from enterprise level down to single DB2 system Address Space;
- daily profile of CPU and zIIP utilization due to DB2 workloads; you can navigate from enterprise level down to single plan, package, DB2 correlation id, authorization id or transaction;
- daily profile of memory utilization; you can navigate from enterprise level down to the single DB2 subsystem and split memory usage by address space and system area;
- daily profile of deadlocks, timeouts and rollbacks; you can navigate from enterprise level down to the most critical plans;
- daily profile of Buffer Pool read operations and hit ratio; you can navigate from enterprise level down to the most critical Buffer Pool;
- daily and monthly trends of all the above mentioned metrics.

Simple and quick installation

EPV Graph for DB2 is installed within one day. The installation process is straightforward and easy and has absolutely no impact on the system. It works "out of the box" with no needed customization.
EPV Graph for DB2 only pre requisite is the availability of the EPV for DB2 database.

Easy to use

Using EPV Graph for DB2 is intuitive and easy. Users have just to click on the graphs to analyze the most critical issues. Predefined navigation paths are also provided driving less experienced analysts to the most detailed information using a top-down approach.

EPV Graph for DB2 Unique Technical Features

Design & Architecture

EPV Graph for DB2
- processing is completely automatic;
- runs on any distributed platform;
- needs no other graphical tool;
- graphs can be published on any platform;
- graphs can be archived and then reused at a later date. It is then possible to look at them separately or include them in the production report structure;
- navigation needs no client; only a standard browser;
- tables, which are behind each graph, can be exported to Excel with just a click of the mouse.

Graphs

EPV Graph for DB2 provides a complete graphical navigation of:
- CPU utilization due to DB2 system address spaces, in MIPS and CPU seconds, from a global view to single address spaces.
- zIIP utilization due to DB2 system address spaces, in MIPS and CPU seconds, from a global view to single address spaces.
- CPU utilization due to DB2 applications, in MIPS and CPU seconds, from a global view to specific subsystem, connection type and plan.

- zIIP utilization due to DB2 applications, in MIPS and zIIP seconds, from a global view to specific subsystem, connection type and plan.
- Memory utilization from a global view to specific subsystem and system area.
- Deadlock, timeouts and rollback from a global view to the specific plan execution.
- Buffer pool red rate and hit ratio from the global level to the specific buffer pool.

User graphs

- EPV Graph for DB2 includes a graphical engine you can customize to produce your own graphs.

Help System

EPV Graph for DB2 provides an embedded help system designed to help understand the content of each graph and to give indications on the possible parameters to set to customize the graphs.

Pre-requisites

- EPV Graph for DB2 only pre-requisite is the availability of the EPV for DB2 database.

EPV Graph for DB2 Unique Business Benefits

- EPV Graph for DB2 greatly increases technical managers control over DB2 subsystem performance allowing them to easily identifying tuning opportunities in DB2 parameters settings.
- EPV Graph for DB2 greatly increases technical managers control over DB2 application performance and excessive resource usage.

- EPV Graph for DB2 saves up to 90% of the time required to produce graphs to be included in reports and documents.

EPV Graph for DB2 Unique Pricing

- EPV license is based on a onetime fee.
- License cost depends on the number of collected subsystems, and not on the power of the machine or the power used.
- The first year's maintenance is included; in subsequent years customers have only to pay the maintenance fee.
- Maintenance fee includes all releases and new versions of the product.

- There is no additional license fee if the customer changes the platform where EPV runs.
- There is no additional license fee if the customer changes the database type.
- EPV is developed in two product lines: stand alone or taking input from SAS/MXG or SAS/ITRM; there is no additional license fee if the customer wishes to change from one product line to the other.

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