

PRODUCT SHEET:

Insight Database Performance Manager for Distributed Databases

CA Insight™ Database Performance Manager for Distributed Databases

we can



CA Insight™ Database Performance Manager for Distributed Databases (CA Insight DPM) helps you proactively manage and alert on database performance across the IT infrastructure, regardless of whether the database is located within physical, virtual, or cloud environments. Performance issues can be addressed before business is impacted with integration to the other CA service assurance and automation solutions.

Business value

Proactively manage and alert on database performance across the IT infrastructure, regardless of whether the database is located within physical, virtual, or cloud environments.

- Proactive performance monitoring across heterogeneous databases (distributed and mainframe) from a single user interface
- Visibility to the same database health within each of the CA domain managers, root cause analysis, and service assurance products, displayed in a unified and easy-to-understand view
- Flexible architecture gives you extensive control of monitoring based on IT infrastructure, business requirement, and staff limitations

Product overview

Slow response time can negatively impact your customers' satisfaction and company profitability. As applications depend on databases that reside on a variety of operating systems supported by a larger infrastructure, determining the root cause of a performance issue can be difficult.

With business-critical data continuing to grow at an alarming rate, CA Insight DPM helps you understand and manage database performance, reducing the time to identify and resolve problems to meet service assurance goals.

Features

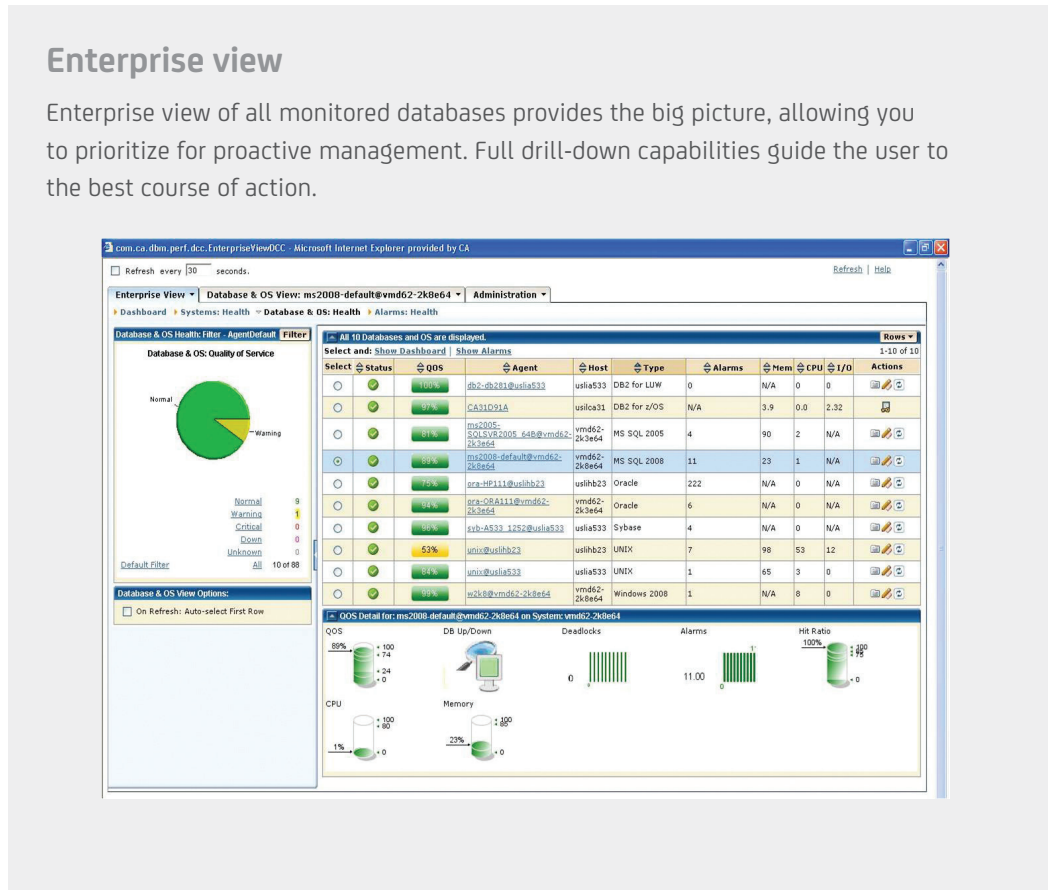
Database staff typically operate within database vendor silos, with a lack of visibility to the other database areas or to the other areas within the IT infrastructure. Lack of adequate tools that span the different databases can put database staff in a reactive, versus strategic, mode, especially if database performance degrades without warning or early indicators. This leads to poor collaboration between the database groups and between database management and IT Operations, prolonging the ability to identify and diagnose IT performance issues, resulting in wasted time, resources, and potentially lost revenue.

Customizable browser-based console View the information you need to effectively and efficiently locate and resolve database performance issues, keeping underlying database complexity transparent. Navigate DB2 for Linux, UNIX, Windows (LUW), Oracle Database, SQL Server, and Sybase databases, and quickly identify and pinpoint problems on an individual or enterprise-wide database without having to learn different syntax or commands when managing unfamiliar database platforms.

- **Create customized views by role** Access to the information provided by CA Insight DPM can now be customized by user role, reducing the risk of undocumented changes that could negatively impact performance and compromise the business service.
- **Create customized views by filter** Choose what you would like to see based upon specific criteria to quickly find the information related to specific databases and the system they are on.
- **User auditing** Track changes that are being made to support security and/or management policy requirements. Beneficial for customers adopting cloud and SaaS, as you can view and track changes for activity and configuration items.

At-a-glance and detailed performance information Quickly identify performance anomalies, trends, and out-of-bound conditions with grouping of key performance indicators and statistics, summarized and displayed in a context you can use. For greater depth, use the direct access to a specific performance scan and drill-down statistic detail.

Figure A



Increase availability with 24 x 7 monitoring No matter the number of databases, size, the physical or virtual system they reside on, or whether they are located in cloud environments, you can help keep them up and operating at high levels of efficiency. The shared memory data collection architecture was designed to handle large and complex multi-database environments, so you can scale up and out without overburdening the servers you are monitoring.

Flexible remote or agent-based monitoring CA Insight DPM gives you the choice of remote, agent-based monitoring, or both. Remote monitoring is useful in circumstances where an agent cannot be deployed on the system where the database resides, while agent-based monitoring can continue even when networks become limited or unavailable.

- Database discover and adaptive monitoring** Automatic database discovery helps you select databases to monitor and instantiates objects when started. This means there is no preconfiguration or reconfiguration needed as database objects are added or removed. The product automatically acknowledges and responds to changes in the database so you don't have to review what has changed and then reconfigure each time to monitor.

- **Database, system and i/o detail** Monitor database performance in real time with time-based graphical displays and up-to-the minute statistical data. Because performance is interdependent on interactions outside of the RDBMS, database operating system and I/O activity is also monitored and captured. Data is collected and presented cohesively within a single insightful console; you see the information and alarms correlated and in context to the display so you can diagnose problems quickly and then initiate repair.
- **Unattended monitoring with preset scans** Utilize hundreds of predefined scans that monitor critical components for problems and collect workload statistics on an enterprise-wide basis. This reduces the need for you to write and maintain custom scripts for each database system separately.
- **Proactive alarm and bottleneck notification** Alarms provide intelligent advisement and are integrated in-context for faster problem resolution. With multithreshold capabilities, you can customize how far in advance you want to be notified of congestion or an out-of-bound condition with predefined thresholds.

Interactive real-time and long-term historical performance diagnostics Optimize database availability with proactive problem detection and alerting, including analysis and diagnostic capabilities for faster problem resolution. You can select to have performance information collected and stored in a central repository or a flat file.

- **Database quality health index** Within one view, all monitored databases are displayed and prioritized by a database quality of service. This feature eliminates the need for you to write scripts to determine database accessibility. It will automatically prioritize for you the databases that require attention before issues reach critical mass.
- **SQL capture and store** Often, performance problems are not apparent because of added complexity. SQL is a good example of something that is complicated by variations by database vendor. You can identify top SQL resource consumers and capture SQL for offline review and SQL statement optimization.
- **Historical replay** Performance information is stored in a compressed time-series form with archive compression that you can configure. Monitor the present state of databases and compare them to historical baselines from workload metrics unique to your system. You choose at which depth you wish to collect information as well as how long to retain it for trending as well as capacity-planning purposes.

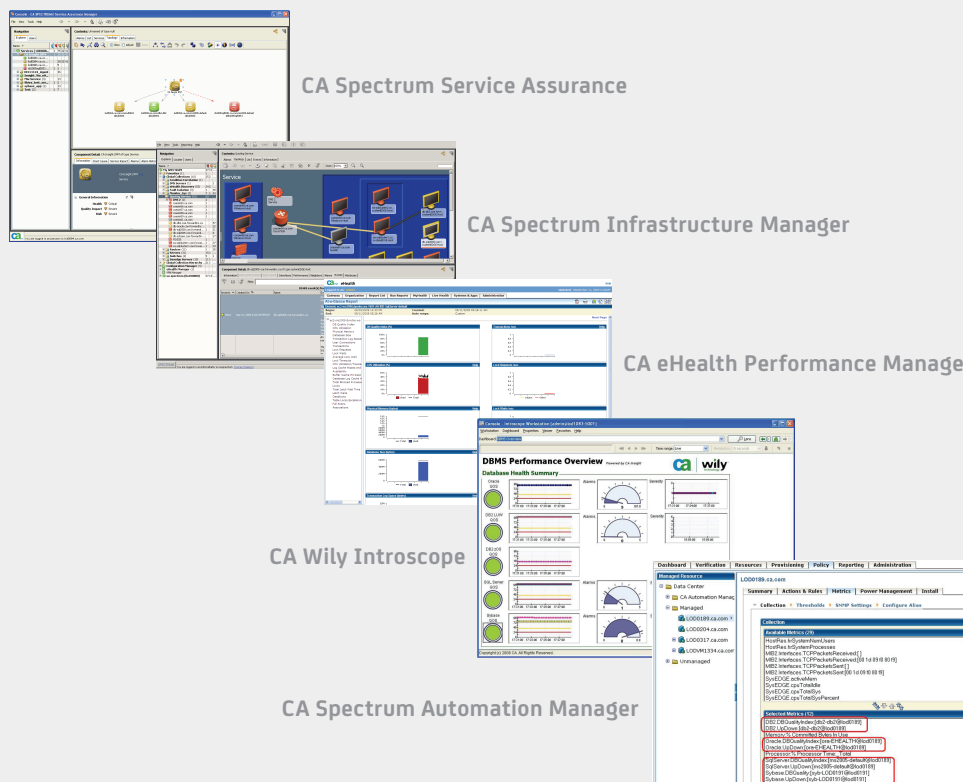
Integration for business service assurance

- The Database Quality Health Index is also displayed within the consoles of other CA solutions in a way that each of those users can understand (figure B). Out-of-box integrations provided for CA Spectrum® Service Assurance, CA Spectrum® Automation Manager, CA Spectrum® Infrastructure Manager, CA eHealth® Performance Manager, CA Wily Introscope®, and CA NSM. IT operations can now quickly identify if a database is the cause of a business service performing poorly, reducing the need for triage teams and many of the trouble tickets erroneously assigned to database.

Figure B

One source of truth

One source of truth for database performance across the IT infrastructure. Information from CA Insight DPM is viewed in context to the other user interfaces, displayed in a way that each user can understand for their job role.



CA Spectrum Service Assurance

CA Spectrum Infrastructure Manager

CA eHealth Performance Manager

CA Wily Introscope

CA Spectrum Automation Manager

The figure shows a central 'DBMS Performance Overview' dashboard with various gauges and charts. To its right is a 'Database Health Summary' table with columns for 'Database', 'Health', and 'Details'. The table lists several databases with their respective health status (e.g., 'Good', 'Warning', 'Critical') and provides links to 'Details'. Below this is a 'Database Details' section showing a tree view of database components and their status.

Database	Health	Details
CA Spectrum Service Assurance	Good	[Link]
CA Spectrum Infrastructure Manager	Warning	[Link]
CA eHealth Performance Manager	Critical	[Link]
CA Wily Introscope	Good	[Link]
CA Spectrum Automation Manager	Warning	[Link]

Benefits

- Identify and resolve performance issues quickly with the ability to monitor and triage different databases without necessarily being an expert on each one
- Help reduce risk to services by accommodating site-specific requirements needed to monitor within specialized environments
- Effectively collaborate with IT operations for fast problem resolution—right information, in the right context

Why CA

CA Insight DPM integrates with other CA Service Assurance products to help you simplify management of your growing, complex IT infrastructure. Vendor-neutral and platform-independent, CA Service Assurance portfolio management products offer wide support of system types and versions available and broad language support for global deployments.

CA Services and our partners can help you assess your current IT situation, define your goals, and implement solutions to gain measurable results. To keep your CA solutions operating at peak performance, CA Support delivers unparalleled technical and customer support worldwide, and we offer training and certification through CA Education.