

## DATA SHEET

Cincom continues to enhance its SUPRA Server PDM database management product to provide easier database administration, improved operational efficiencies and greater access flexibility.

With SUPRA Server Physical Data Manager (PDM), you can:

- **Easily access the server DBMS** from multiple clients in the same machine or via TCP/IP from other client machines.
- **Ensure high reliability and high performance** for mission-critical applications running on your major environments.
- **Reduce the overhead** required to move data from DASD to memory to applications.

#### Additional PDM Performance Tools

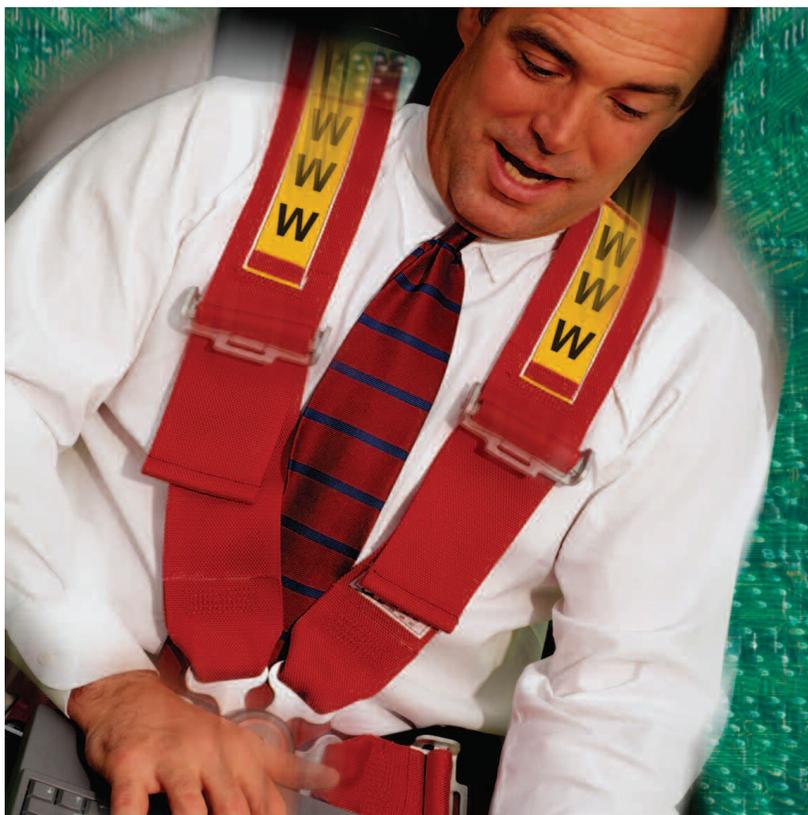
Performance-enhancing tools are also available for OpenVMS users:

- SUPRA PDM Windows Client, designed to simplify client/server PC access to your PDM data.
- SUPRA PDM Windows utilities, which include a full-function copy of two Windows utilities (the Linkpath Editor and the PDM Database Monitor).
- SUPRA PDM Relational Access Kit (RAK), enabling you to access your SUPRA PDM data using ODBC.

Visit [www.cincom.com](http://www.cincom.com) for more information about these and other tools.

# SUPRA<sup>®</sup> Server PDM for OpenVMS

Effectively Managing Access to Your Data



## Release 2.5.00 Offers Major New Features

- SUPRA PDM dataset buffers are now allocated in 64-bit address space on Alpha and Itanium servers.
- The maximum number of copies of a single SUPRA dataset buffer has been increased from 32,767 to 65,535.
- The SUPRA PDM MAXTASKS limit has been increased from 1,000 to 2,000.
- E-mail notification of error messages.
- Support for OpenVMS on Itanium.

## Release 2.5.00 Enhancements

### Dataset Buffers Now Allocated in 64-bit Address Space on Alpha and Itanium

The PDM internal SUPRA dataset buffers are now allocated in 64-bit address space on Alpha and Itanium. This increases the limit on individual buffer size and on total buffer memory size into the multi-gigabyte range and beyond. The ability to buffer more dataset records can dramatically improve overall performance.

### Maximum Number of Copies of a Single SUPRA Dataset Buffer Increased

The maximum number of copies of a single buffer has been increased from 32,767 to 65,535. This will allow the Database Administrator to keep even larger datasets entirely, or a larger percentage, in RAM memory for optimum performance. Now the prospect of buffering an entire database becomes feasible.

### MAXTASKS Limit Increased

The CSIPDM server process MAXTASKS limit has increased from 1,000 to 2,000. This limit affects the total number of tasks that can be signed on from all databases loaded by the PDM server. Note the maximum number of tasks for an individual database has not changed.

### E-mail Notification of Error Messages

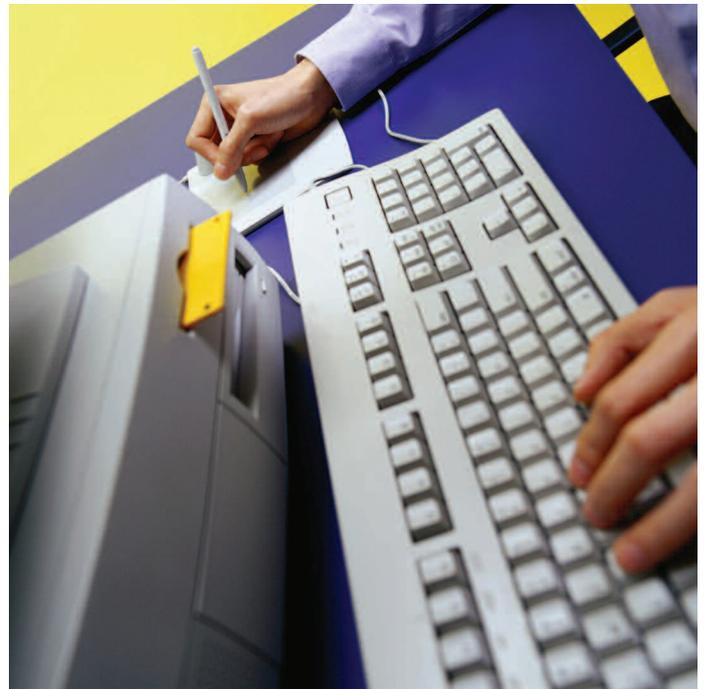
A new feature for SUPRA PDM Release 2.5.00 is the ability to get the eight-letter message codes that end in F or A mailed to either VMS mail or an e-mail account.

### Support for OpenVMS on Itanium

SUPRA PDM now runs on Itanium as well as VAX and Alpha machines. It requires VMS 8.2 on both Itanium and Alpha, and VMS 6.2 on VAX.

## SUPRA Features

- Serial read-ahead cache buffering – This feature dramatically improves the performance of serial read (read-only) database operations.
- Database reports – The database reports provided in the supra\_report directory are available on Alpha.
- New script procedure – A script procedure displays the internal file identifications of .exe image files. This undocumented procedure is supplied as a diagnostic tool for our users and is intended for use under the direction of Cincom Support.



## Product Overview

SUPRA Server PDM is an interactive database system that allows you to use advanced features for control of data resources and high programming productivity. SUPRA Server PDM accommodates the varying data processing needs of its OpenVMS users by providing a variety of integrated components and related products.

SUPRA Server consists of an intricately connected system of powerful components. Each component has important functionality that allows you to efficiently and effectively administer the SUPRA Server PDM database.

Under OpenVMS, SUPRA Server PDM runs as a multithreaded, detached process. Multithreading allows numerous applications to use the PDM at the same time and leads to the most efficient use of system resources. Running the PDM as a detached process results in smaller application programs, saving on disk space and memory.

Some of the major benefits include:

- Multiple file-type support
- Active schema (database) maintainability
- Storage optimization
- Recoverability
- Multiple ways to access data

## Additional PDM Features

The Physical Data Manager (PDM) controls the storage of and access to data in user databases and is the underlying control method that all other components use to access physical data. SUPRA Server PDM runs in a multitask mode or single-task mode. Regardless of the access method, the PDM provides high performance through the following additional features:

- **Multiple recovery methods**
  - Task level recovery
  - System level recovery
- **Network support**

SUPRA Server Network Support enables a task from one machine to access a database running on another machine where both machines form part of the same network.
- **Automatic restart**

Ensures that your PDM will still run even if the machine on which it is currently running fails by starting a new PDM instance on another networked machine.
- **SUPRA Server RDM**

Permits relational access to SUPRA data via a four-verb vocabulary (Get, Insert, Update and Delete) and DBA-defined data views. Cincom's RDML (relational data management language) is the tool used to access SUPRA data from user applications.
- **MANTIS®**

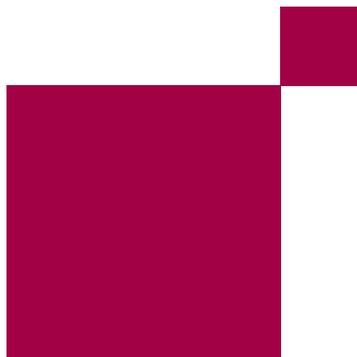
Cincom's completely interactive development system provides a rich set of tools for rapid application development, testing and implementation. The new MANTIS XML feature facilitates web development, integration and deployment.
- **Direct RMS Support**

Allows SUPRA Server component access to RMS files through RDM.
- **Pre-compilers**

Allow you to embed RDML statements within application programs. SUPRA Server PDM provides pre-compilers for COBOL, Fortran and BASIC.
- **Windows Client Support**

The SUPRA PDM Windows Client allows access to SUPRA PDM data for Windows applications, without heavy investments in training and new middleware. Using your PDML expertise and PC client support, your staff can create new applications and migrate them to the PC, as well as write graphical user interface tools and utilities for PCs.

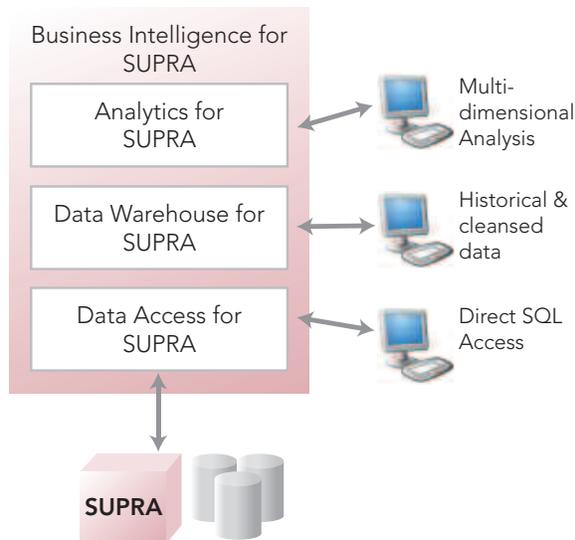
In summary, SUPRA Server PDM, designed for high-volume, online transaction processing, maintains data and coordinates database access, processes requests from tools and precompiled programs and provides backup and recovery tools.



## Business Intelligence for SUPRA

Business Intelligence for SUPRA provides an integrated set of data access, ETL/data warehousing and multi-dimensional analytics packages that enable you to transform volumes of SUPRA PDM data into analytic information.

Multi-dimensional analysis allows you to quickly reveal business performance and trends so you can make better business decisions, which ultimately results in better products, better service and happier customers with increased sales and profits.



Please see the following Solution Overviews for more information on each of the three packages.

- Data Access for SUPRA (DB060822-2)
- Data Warehouse for SUPRA (DB060822-3)
- Analytics for SUPRA (DB060822-4)

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FORM DB041026-2 2/08  
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## Supported Platforms for 2.5.00

Hardware	Operating System(s)
Alpha	OpenVMS 8.2
VAX	OpenVMS 6.7 or higher
Itanium	OpenVMS 8.2

## About Cincom

For nearly 40 years, Cincom's software and services have helped thousands of clients worldwide simplify the management of complex business processes. Cincom specializes in the areas of business where simplification brings the greatest value to managers who want to grow revenue, control costs, minimize risk and achieve rapid ROI better than their competitors. Cincom serves clients on six continents including BMW, Citibank, Boeing, Northwestern Mutual, Ericsson, Penn State University, Milacron, Siemens, Rockwell Automation and Trane.

For more information about Cincom's products and services, contact Cincom at 1-800-2CINCOM (USA), 1-513-612-2769 (International), send an e-mail to [info@cincom.com](mailto:info@cincom.com) or visit the company's website at [www.cincom.com](http://www.cincom.com).