HP NewWave Office

**Information Access Services
For HP 9000 Systems**

Technical data

What is Information Access?

Information Access services of HP NewWave Office software allow users to select a range of data sources on their HP 9000s (Series 600 & 800) or PCs, and output the data to PC applications of their choice. Within the cooperative computing environment, these services consist of an easy-to-use client interface on the user's PC, and a data server on the HP 9000. With Information Access, decision makers spend less time gathering data and more time analyzing and solving business problems.
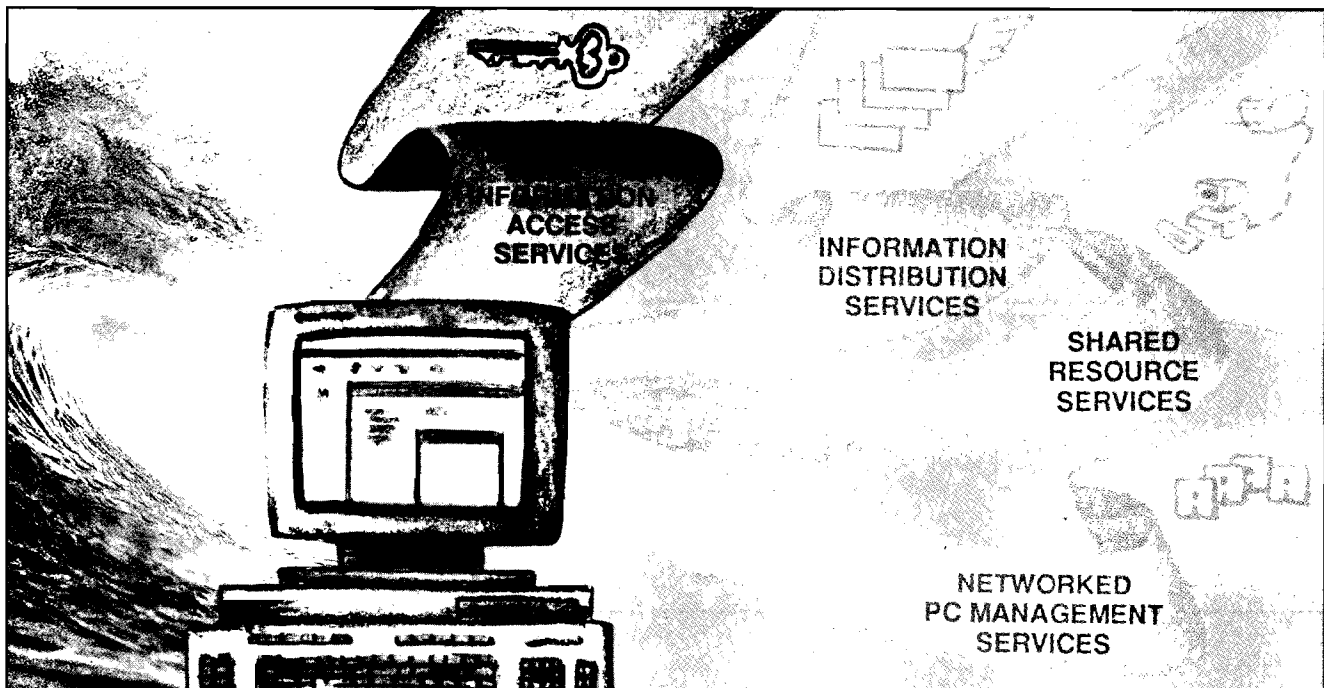
What does Information Access do?

On the PC, an interactive, query-by-example interface allows users to join, select, sort, summarize, and convert data (from a variety of data sources), in either the HP NewWave or MS-DOS® environment. This data can then be formatted for use in popular PC applications. In addition, the built-in report writer can be used to generate professional-looking reports without involvement from the database administrator. A batch processing feature is also available, allowing repetitive tasks (such as generating routine reports or queries) to be fully automated. Within the NewWave environment, these tasks can be scheduled and executed by the NewWave Agent.

On the HP 9000 (Series 600 & 800), a data server enables PCs to connect and retrieve data from HP ALLBASE/SQL and ORACLE® relational databases. These databases provide administrative functions that allow database administrators to maintain security and control of the data sources, while satisfying users' needs for data.

Figure 1: Information Access services of HP NewWave Office

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

When should Information Access be used?

Information Access is specifically designed to allow:
* Business professionals to access database information and arrange results in a usable format.
* MIS and system analysts to query and refine raw data into more usable information.
* Solution developers to easily build integrated push-button graphic solutions for their customers.

Benefits of Information Access

Immediate Access to Key Information
Information Access software retrieves data from HP 9000 (Series 600 & 800) and PC data sources, providing PC users with access to the right information at the right time.

Information Available in Usable Forms
PC users can output data directly from local and remote databases into PC applications, such as Lotus® 1-2-3® and HP Graphics Gallery for comprehensive and professional reports and graphs. Within the NewWave environment, the data stored in these spreadsheets and graphs can be automatically integrated into other applications and compound documents.
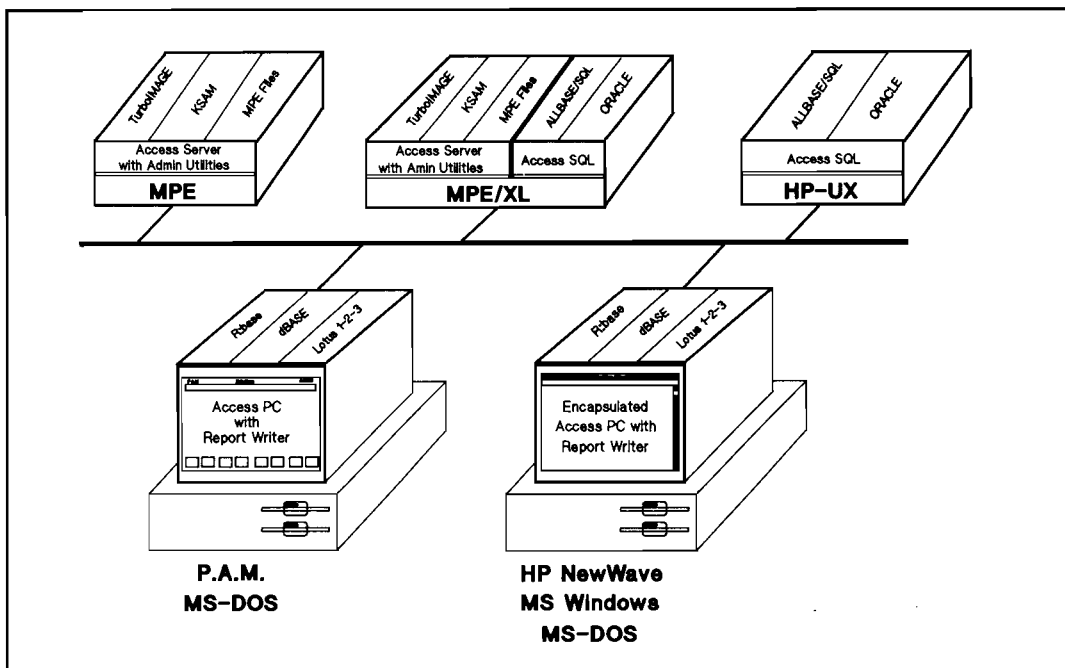
Easy-to-use Report Writer
With the built-in report writer, users can generate both ad hoc and routine reports to effectively communicate the information to decision makers.

Central Administration for Security and Control
Database administrators can ensure maximum security of their data sources through the administration function provided within the database management system for relational SQL databases.

Figure 2: Information Access provides connections to multiple systems through a common interface.

Computer
Museum

Information Access Capabilities

PC Capabilities

The Information Access PC component contains a soft-key driven interface that is easy to learn and use, with full help screens and self-paced training. Using this interface, PC users can establish a connection to an HP 9000 (Series 600 & 800) system and retrieve selected data to their PCs. With additional software, users can also connect to an HP 3000 system.

Once the data is retrieved, users have the ability to manipulate and organize the data for better decision making. Users can also sort, join, summarize and convert data to various PC application formats. Professional reports can be generated by the built-in report writer, or results can be output to popular PC applications without involvement from MIS. Data type transfer and conversion is automatic and transparent.

NewWave Encapsulation
Information Access runs as a full screen application and is represented as an icon in the NewWave environment. In addition, the NewWave Agent can execute Information Access command files. With Microsoft Windows® 2.1 features, users can utilize the capabilities of context switching.

Report Writer
The built-in report writer allows users to generate both ad hoc and routine reports. This report writer is soft-key-driven and easy-to-use, yet very powerful. It includes nested sort headings, conditional printing, complex statistical functions, and preprinted forms. Custom templates are supported for repeated use.

PC Batch and Command File
Information Access batch capabilities can be combined with DOS BAT files or other NewWave Agent tasks to automate entire office processes. Support of basic serial connection files allows users to automatically log on to data sources over complex connections. Users can be prompted for passwords during connections and taken directly to the particular Information Access screen where they want to begin work.

PC Input Data Sources
- R:base™ for DOS, System V, 5000, 4000
- dBASE® IV, III PLUS, III®, II®
- Lotus® 1-2-3®, Symphony®
- CONDOR™

PC Output Data Formats
- R:base™ for DOS, System V, 5000, 4000
- dBASE® IV, III PLUS, III®, II®
- Lotus® 1-2-3®, Symphony®
- CONDOR™
- Information Access Report Writer
- File Formats
  –DIF
  –Quoted Basic
  –ASCII

HP 9000 Capabilities

Information Access supports selected relational databases on HP 9000 (Series 600 & 800) HP-UX systems. On these systems, a data server allows PCs to connect and retrieve data from HP ALLBASE/SQL and ORACLE® relational databases. These databases provide administrative functions that allow database administrators to maintain security and control of the data sources, while satisfying users' needs for data.

HP 9000 (Series 600 & 800) Data Sources
- HP ALLBASE/SQL
- ORACLE®

Product Requirements

Hardware Environment

Personal Computer Systems

- HP Vectra Personal Computer Family
- IBM PC, PC/AT, PC/XT
- IBM PS/2 Model 30, 50, 60, 70, 80
- Compaq DeskPro models 286, 386, 386S
  –The above PC models require a hard disc

Note: If using the NewWave environment, please refer to the NewWave data sheet for additional hardware requirements.

HP 9000 Systems

- Supported on all HP 9000 (Series 600 & 800) systems.
  All Series 800 models require:
  –8MB minimum main memory

Networking Environment

PC to HP 9000 (Series 600 & 800) connection requires:

–Direct connection to CIO MUX or NI0 MUX
–Configurations using a TS8 (HP 2342A) in either back-to-back or direct access configurations.
–HP certified HP 2335 configurations such as back-to-back HP 2335 statistical multiplexers, HP X.25/800
–Modem connections

or:

–LAN Interface Contoller (LANIC) card
–LAN interface cards for all client PCs
–StarLAN hub for Star LAN networks
–StarLAN 10 hub for StarLAN 10 networks
–LAN/9000 Series 800 Link

Software Environment

Personal Computer Systems

- HP Vectra Personal Computer Systems
  –MS DOS® (Version 2.11 or later)
- IBM PC/AT Systems
- IBM PX/2 Model 50, 60, 70, 80
  –PC DOS (Version 3.10 or later)
- IBM PC, PC/XT Systems
- IBM PS/2 Model 30
  –PC DOS (Version 2.11 or later)
- Compaq DeskPro Model 286, 386, 386S
  –PC DOS (Version 3.31 or later)
- If using Microsoft Windows® 2.1 or later,
  –MS-DOS® or PC-DOS 3.10 or later

Note: If using any Office-Share connection, MS-DOS® 3.10 or later is required. If using within the NewWave environment and any OfficeShare connection, MS-DOS® 3.20 or later is required.

HP 9000 (Series 600 & 800) Systems

- HP-UX 7.0 or later
  –HP ALLBASE/SQL (Version A.07 or later)
  –ORACLE (Version 6.0 or later)

Support

Hewlett-Packard offers a broad range of support services with over 180 service and support facilities throughout the world. HP's Software Materials Update, HP BasicLine, HP Response Line, and HP TeamLine are available for HP NewWave Office Information Access. Contact your HP Sales Representative for more details.