
Chapter 4. Workgroup and End-User Applications

This chapter discusses some selected workgroup and end-user applications.

IBM Advanced Server for Workgroups

The IBM Advanced Server for Workgroups provides “a powerful workgroup computing solution in a single box at a good price” according to James T. Norman, Contributing Editor, *The Andrew Seybold Outlook on Professional Computing*.

The IBM Advanced Server for Workgroups is a LAN-based solution for workgroup applications and is a combination of OS/2, LAN Server, Lotus Notes, and System Performance Monitor/2.

The IBM Advanced Server for Workgroups provides the following benefits and features:

- Total workgroup computing solution in a single product
- Client/Server architecture for the LAN system software and the workgroup computing application environment
- IBM service and support
- Scalable workgroup computing environment containing both the workgroup application development environment and deployment environment
- Entry into distributed document management for knowledge-sharing applications
- Excellent entry point for communications servers and gateways by adding appropriate communications software products (for example, terminal emulation and gateway support by using IBM Communications Manager/2)
- Electronic mail and messaging in the groupware environment and for distributed applications.

This product is available on CD-ROM media for all the programs, including Lotus Notes.

In addition, this product also contains several IBM added-value items, including:

- A common installation guide publication called *Getting Started with the IBM Advanced Server for Workgroups*, which gives you a step-by-step approach to installing all the software components of the product by using a helpful case study example, as well as easy-to-use sample worksheets.
- A videotape called *Quick Start for the IBM Server for Workgroups*, which contains a product overview, a demonstration, and a graphical view of installation planning.
- 90 days of complementary IBM Customer support on all software components in the US (except for OS/2, which is 60 days).
- Certification from the IBM Austin Integration and Test Lab that the product has been “Tested and Approved for LAN Systems.” In addition to the assurance that all the components work well together, the installation has been tested and optimized for the easiest and fastest method for you as a total configuration solution.

Hardware Requirements

i386, i486**, or Pentium microprocessor, 12MB RAM (minimum), 300MB DASD server, and 120MB DASD client; CD-ROM drive

Software Requirements

Server: Nothing (all software is included)

Client:

OS/2 1.3 or higher (OS/2 2.1 recommended) for OS/2 clients

DOS 3.3 or higher (DOS 6.1 or higher recommended) for Windows clients

Microsoft Windows 3.0 or higher (3.1 recommended) for Windows clients

IBM Announcement Letter

In the US: 294-184

Ordering Information

Call 800-IBMCALL (800-426-2255) in the US, or call 800-565-SW4U (800-565-7948), Ext. 246 in Canada.

Note: The part numbers, hardware requirements, and software requirements are approximations and might not be complete. For specifics, call the 800 telephone numbers listed previously, contact a reseller, or contact an IBM office near you.

Part Number

In the US: 52G8382

IBM Time and Place/2 2.0

Time and Place/2 Version 2.0 provides a generalized scheduling manager that can be used to manage any corporate resource, from people to equipment. The user interface is patterned after common day/week/month desktop calendars. These different views can be printed in a variety of text or graphical forms.

It is a 32-bit OS/2 2.0 application that provides collaborative LAN-based functions for a workgroup. The workgroup client systems can be OS/2 2.0, DOS 3.3, or DOS/Windows 3.1-based or higher. The primary functions include:

- Group functions:
 - Scheduling of events for one or more members of a group
 - Free time search across a group
 - Time zone support across different time zones
 - Assignment of “to-do” items to one or more group members
 - Replicating events across time periods or multiple days
 - Access control for each user's calendar events and “to-do” items
- Personal functions:
 - Ability to customize daily, weekly, monthly, and list views
 - Events, prioritized “to-do” list, and memos for each day
 - Pop-up monthly calendar for navigation or reference
 - Alarms with tunes (OS/2 client) or beep (Windows client) and a snooze option
 - Ability to authorize other Time and Place/2 Version 1.0 users to view or update their calendars

It operates with NetBIOS, TCP/IP, or Novell NetWare IPX. A distributed feature is included with the server-based product.

Hardware Requirements

Server: OS/2 2.0 capable plus 3MB RAM

Client: OS/2 2.0, DOS 3.3, DOS/Windows 3.1 capable plus 1MB RAM

Software Requirements

OS/2 2.0, DOS 3.3, DOS/Windows 3.1 or higher, plus appropriate LAN transport code

IBM Announcement Letter

In the US: 294-141

Ordering Information

Call 800-IBMCALL (800-426-2255) in the US, or call 800-565-SW4U (800-565-7948), Ext. 246 in Canada.

Note: The part numbers, hardware requirements, and software requirements are approximations and might not be complete. For specifics, call the 800 telephone numbers listed previously, contact a reseller, or contact an IBM office near you.

Part number

In the US: 79G9867

IBM Person to Person

Person to Person is a desktop collaboration application that enables remote team members to work together in realtime. By using Person to Person's data sharing functions, business associates can show each other any displayable information (text, files, graphics, images) or windowed application screens. Colored markers and drawing tools enable participants to annotate the shared data so that changes can be made and agreed upon. By using the optional IBM ActionMedia II card and camera, callers can see each other in a portion of their screens while work proceeds. Discussion takes place over telephones. The OS/2 and Windows versions interoperate.

Person to Person can be used to provide a number of cross-industry solutions including:

- Help Desk
- Digital Image Capture

Person to Person works over Token-Ring and Ethernet LANs as well as ISDN lines, asynchronous connections, and SNA networks. Supported communication protocols include NetBIOS, TCP/IP, and Novell SPX. Up to 8 participants can join in a call using any combination of communication links and protocols.

Hardware Requirements

i386SX or higher, 8MB RAM; communications and multimedia as required

Software Requirements

OS/2 2.0 or higher, or Microsoft Windows 3.1, communications software

IBM Announcement Letter

In the US: 292-656, 293-648, 293-653

Ordering Information

Call 800-IBMCALL (800-426-2255) in the US, or call 800-565-SW4U (800-565-7948), Ext. 246 in Canada.

Note: The part numbers, hardware requirements, and software requirements are approximations and might not be complete. For specifics, call the 800 telephone numbers listed previously, contact a reseller, or contact an IBM office near you.

Part Numbers

In the US:

Person to Person for OS/2 53G3997

Person to Person for Windows 79G0417

IBM Personal Application System/2 3.0

IBM Personal Application System/2 (AS/2) 3.0 fully exploits the advanced features of OS/2 2.0 to provide multifunctional, data analysis solutions for the business professional. When installed on a personal computer, IBM Personal AS/2 3.0 can be operated across a LAN or WAN. This provides access to a wide range of data on host systems and personal computers, including access to OS/2 Database Manager, DB2/2, OS/400 Database, SQL/DS, DB2, and heterogeneous data.

IBM Personal AS/2 3.0 includes these integrated functions:

- Query: Select, combine, and summarize data from one or more tables
- Report: Construct detailed or summary reports
- Chart: Graphically represent selected data
- Table Edit: Directly edit data
- Graphical Procedure: Automate repetitive procedures
- Command: Access Application System

Users who develop solutions for others (builders) will benefit from the many functions in IBM Personal Application System Builder/2 3.0. This product includes the capabilities of IBM Personal AS/2 3.0, as well as prototyping and application-creating features. These include:

- Window Edit
- Menu Edit
- Program Edit: Generates and edits code.
- Make: Combines windows, menus, and program code. Using the integrated functions, generated windows and menus can be dragged and dropped into the program editor so that the code is automatically added to the program. Likewise, IBM Personal AS/2 3.0 reports or charts can be dragged into the program and the code automatically generated, allowing users to adapt and extend the standard decision support facilities to meet advanced customer requirements.

Hardware Requirements

i386 or above, 8MB RAM, 10MB DASD

Software Requirements

OS/2 2.1 or later; appropriate communications and database software

IBM Announcement Letter

In the US: 293-558

Ordering Information

Call 800-IBMCALL (800-426-2255) in the US, or call 800-565-SW4U (800-565-7948), Ext. 246 in Canada.

Note: The part numbers, hardware requirements, and software requirements are approximations and might not be complete. For specifics, call the 800 telephone numbers listed previously, contact a reseller, or contact an IBM office near you.

Part Number

In the US: 68G1950

Lotus SmartSuite for OS/2 1.1

Lotus SmartSuite for OS/2 1.1 is the only complete desktop suite of native applications for IBM's OS/2 operating system. Comprised of the native 32-bit OS/2 versions of Ami Pro, 1-2-3, Freelance Graphics, and cc:Mail, the suite provides compatibility with the Windows versions of those applications, as well as the highest degree of cross-platform integration available today. SmartSuite for OS/2 1.1 represents the simplest means of purchasing, installing, and supporting a suite of integrated desktop applications.

Featuring all 32-bit native OS/2 applications, the suite takes advantage of 32-bit memory management, the drag-and-drop features of the Workplace Shell interface, time-saving benefits of multithreading, and the added security of working in a true multitasking environment.

The applications in SmartSuite for OS/2 provide a unique level of integration and reflect Lotus' Working Together strategy. This strategy was founded on the belief that users in today's networked environment need applications that work together, work across platforms, and enable people to work with other people. SmartSuite for OS/2 applications reflect Lotus' emphasis on developing software that is easy to use and learn.

The following list describes the features of SmartSuite for OS/2 1.1:

The Lotus Application Manager

A new utility for enhanced integration. A simple click on the Lotus Application Manager (LAM) palette allows you to launch or switch between SmartSuite applications, Lotus Notes, and an OS/2 window. The Lotus Application Manager resides on the OS/2 Workplace Shell when the SmartSuite for OS/2 applications are minimized, or fits into the upper-right hand corner of a SmartSuite application bar when maximized.

Shared Tools

Several technologies are shared across Lotus SmartSuite for OS/2 applications. For example, 1-2-3 and Freelance Graphics for OS/2 share a common charting tool that provides a consistent user interface and feature set for charting operations from within either product. And when both Freelance** and 1-2-3 are installed in the same directory, hard file space requirements are reduced because only one copy of the charting tool is maintained. Similarly, Ami Pro and Freelance Graphics for OS/2 share a common dictionary, once again saving system resources.

OS/2 and Lotus Notes

Notes supports 32-bit OS/2 2.0 client and server platforms. As an inherently cross-platform application, Notes' back-end services enhance the native file systems of the OS/2 environment. Notes adds a common security and communications services on top of OS/2's native file system.

Lotus SmartSuite for OS/2 1.1 includes four complete standalone OS/2 desktop applications in a single box:

- 1-2-3 for OS/2 2.1
- Freelance Graphics for OS/2 2.1
- Ami Pro 3.0a for OS/2
- cc:Mail for OS/2 WPS 1.0

Hardware Requirements

i386 or higher, 12MB RAM minimum, 23MB DASD minimum

Software Requirements

OS/2 version 2.1 or higher

IBM Announcement Letter

In the US: 293-734

Ordering Information

Call 800-IBMCALL (800-426-2255) in the US, or call 800-565-SW4U (800-565-7948), Ext. 246 in Canada.

Note: The part numbers, hardware requirements, and software requirements are approximations and might not be complete. For specifics, call the 800 telephone numbers listed previously, contact a reseller, or contact an IBM office near you.

Part number

In the US:

52G8451

52G8452 (upgrade)

Lotus Notes

Lotus Notes offers a comprehensive new environment in which you can create, access, and share information using networked personal computers. Lotus Notes is used to develop and deploy such applications as customer tracking, status reporting, project management, information distribution, electronic mail, and collaborative free-form discussions of all kinds. It is ideal for single LANs, dial-in laptop/notebook users, and geographically dispersed organizations, where the composition of work groups must respond to changing business opportunities. It is also ideal for integrating the various forms in which today's business information is created: text, numerical data, and graphics (including photographs).

Lotus Notes employs the client/server computing model, interconnecting IBM DOS and OS/2 workstations and OS/2 servers on local and wide-area networks. Lotus Notes does not require that users be interconnected continuously. Instead, it periodically replicates the database resident on various servers. Mail routing and database replication between LANs are handled through transparent wide area connections. Lotus Notes works seamlessly with heterogeneous LANs and supports all the popular network operating systems.

Notes Application Programming Interface allows programmers to develop specialized applications in the C language, and import and export data from custom systems.

An optional product, Outbound FAX Support, provides a FAX gateway that routes Notes mail to any FAX machine worldwide.

In addition, gateways for cc:Mail, VAX** Mail, and Novell MHS enable Notes users to exchange mail with users of those systems. These gateways route the mail and convert messages to the format required by the receiving system.

Among its characteristics are:

- Integrated computer conferencing, broadcast dissemination, executive information systems, and mail-enabled applications Mail (including name and address books distributed among Lotus Notes)
- Correspondence processing with full support for compound documents consisting of text, numbers, keywords, graphics, images, and rich text (font support, color, mixed data types)
- Full search capability on document databases with extensive customization options for alternate organization and presentation of documents
- Distributed and automatically replicated document databases
- Imports and exports for spreadsheets, major word-processing programs, and standard file formats (for example, graphics, text, and images)
- Comprehensive security measures that provide selective restricted access to databases and secure RSA-based encryption of messages
- Context-sensitive online help with hypertext links

Hardware Requirements

Refer to Announcement Letter.

Software Requirements

Refer to Announcement Letter.

IBM Announcement Letter

In the US: 293-396

Ordering Information

Note: Available through the Lotus Passport Agreement. Please contact your IBM Marketing Representative for more information.

Part Number

Not applicable

Lotus cc:Mail

Lotus cc:Mail is a LAN-based electronic mail system. It provides IBM with an E-mail and entry office solution that contains support for IBM Disk Operating System (DOS), Windows, Macintosh, and OS/2 platforms, that run on IBM Token-Ring and other major local area networks (LAN).

It supports any combination of server-to-server, LAN-to-LAN, and remote personal computer-to-LAN messaging, as well as connections to other electronic mail systems. All platforms include administration capabilities.

Among its attributes is the ability to connect with both mini- and mainframe-based electronic mail systems, as well as public electronic mail services. An automatic directory update facility, automated Directory Exchange, provides updates to multiple post offices.

Lotus cc:Mail provides a built-in text editor and a set of management tools, such as storage optimization and usage reports.

The functions and number of users supported are provided by installing specific *packs*. These packs also vary based upon the specific external mail system interconnectivity desired.

Hardware Requirements

Refer to Announcement Letter

Software Requirements

Refer to Announcement Letter

IBM Announcement Letter

In the US: 291-651

Ordering Information

Note: Available through the Lotus Passport Agreement. Please contact your IBM Marketing Representative for more information.

Part Number

Not applicable

IBM FaxRouter/2 2.0

FaxRouter/2 is an OS/2 LAN-based facsimile solution providing the capability to send, receive, store, display, distribute, print, and delete facsimiles from a user's OS/2 or Windows workstation. Received facsimiles can be automatically routed to a user or group of users of the FaxRouter/2 LAN through Dual Tone Multi-Frequency (DTMF). Facsimiles sent can originate from a standard text file, another facsimile, or several types of *bitmap* files. You can even print your document to a FaxRouter/2 Print Driver from your favorite OS/2 or Windows application.

All hardware required by a facsimile solution is installed in the FaxRouter/2 server, thus eliminating the need for additional hardware or phone lines at the user's workstation. FaxRouter/2 is the corporate facsimile platform providing a tool kit for *fax-enabling* your current business applications. Through the use of application programming interfaces (APIs), your business systems can be tailored to include facsimiles to meet your individual needs. FaxRouter/2 implements a multiserver environment that allows FaxRouter/2 to grow with your business.

An optional FaxRouter/2 ImagePlus*/ESA Integration feature works in conjunction with FaxRouter/2, IBM SAA MVS/ESA ImagePlus, and ImagePlus Workstation Program/2 to provide a seamless Enterprise Facsimile Solution. This feature enables ImagePlus users to send documents directly from their image application and store received facsimiles into their image application. FaxRouter/2 is completely integrated with the ImagePlus VisualInfo* image product, providing both inbound and outbound facsimile support.

FaxRouter/2's significant features are:

- Allows user to send and receive facsimiles to and from their workstation, without having to leave their desk
- Allows users to display facsimiles at their workstations, print on any APA printer, and archive to any accessible LAN drive.
- Supports a deferred Send function to allow a user to send facsimiles when telephone lines are not as busy or when rates are lower.
- Ability to route facsimiles to an end user by entering a routing code through tone telephone (DTMF) or an optical mark recognition (OMR) sheet.
- Notifies users when a facsimile is received.
- Queues Send operations on the server, freeing the user to perform other tasks.
- Provides a phone book of "send-to" information for commonly used numbers (including distribution and broadcast list support).
- Retries Send operations that fail (such as busy condition).
- Maintains a Facsimile Log, containing status (such as ownership and time sent or received) of all facsimile activity.
- Deletes/Archives Facsimile Log entries after a number of days defined by the FaxRouter/2 administrator.

Hardware Requirements

Server: i386 or higher, 25 MHz or higher, 12MB RAM, 12MB DASD (additional space required for each facsimile), LAN adapter, VGA display, and appropriate fax adapter cards

Clients: i386 or higher, 25 MHz or greater, 8MB RAM, 4MB DASD
(includes local tables and facsimile workspace), LAN adapter, VGA display

Software Requirements

Server: OS/2 2.1 with REXX support, OS/2 LAN Server or Novell NetWare Requester

Client: OS/2 2.1 with REXX support or IBM DOS 5.0 or higher and Microsoft Windows 3.1 or higher, OS/2 LAN Requester or Novell NetWare Requester

IBM Announcement Letter

In the US: 294-061

Ordering Information

Call 800-IBMCALL (800-426-2255) in the US, or call 800-565-SW4U (800-565-7948), Ext. 246 in Canada.

Note: The part numbers, hardware requirements, and software requirements are approximations and might not be complete. For specifics, call the 800 telephone numbers listed previously, contact a reseller, or contact an IBM office near you.

Part number

In the US: 5622-342 (see announcement letter before ordering)

IBM AntiVirus/2 Services

As companies add more personal computers, their data assets become more vulnerable to computer viruses. With three new viruses appearing every day, the effective life-cycle of antivirus software can be brief.

IBM AntiVirus/2 meets this challenge with an unprecedented Fuzzy Scanning Engine. This new IBM technology detects known and unknown viruses, including the stealth and polymorphic breeds. Developed by IBM scientists at the famous Thomas J. Watson Research Center, these products provide optimum computer virus protection for DOS, Windows, and OS/2.

Designed for *Install-and-Forget* operation, the client and LAN versions of IBM AntiVirus are feature-packed with a graphical user interface (GUI), automatic installation, automatic scanning, advanced resident detection, patent pending Neural Network technology for unknown boot-sector viruses, heuristic analysis, change detection, thorough examination, advanced false alarm elimination, verification before disinfection, LAN messaging, password protection, user control profiles, and more.

IBM AntiVirus/2 features:

- Support for DOS, Windows, and OS/2
- Detects well over 2000 computer viruses
- Installation from the LAN
- Operation from the LAN
- Administrator Interface

IBM AntiVirus/2 Services provides:

- Master copies of diskettes and documents for client and LAN versions of IBM AntiVirus/DOS, IBM AntiVirus/2, IBM AntiVirus for NetWare, Administrator Interface for DOS, and Administrator Interface for OS/2.
- Access to the IBM AntiVirus Bulletin Board (BBS). The toll-free BBS facilitates fast support for new virus disinfections with emergency file transfers to our technical staff.
- Master copies of IBM AntiVirus Quarterly Updates shipped air-express and available on BBS.
- Monthly signature updates available on BBS.
- Personnel to provide consulting and technical assistance with virus incidents by phone.
- IBM level 1, Level 2, and Level 3 Technical Support for the antivirus products.
- Capability to reverse-engineer any new viruses within 72 hours. On average, this process is completed within 48 hours.

Hardware Requirements

Contact IBM AntiVirus Services by calling 1-800-742-2493 in the US, or by calling 1-800-565-7948 Ext. 246 in Canada.

Software Requirements

Contact IBM AntiVirus Services by calling 1-800-742-2493 in the US, or by calling 1-800-565-7948 Ext. 246 in Canada.

IBM Announcement Letter

In the US: Services offering 591479

Ordering Information

Single license 1-800-551-3579; enterprise license 1-800-742-2493 in the US; or call 1-800-565-7948 Ext. 246 in Canada.

Part Number

In the US: Not applicable

IBM ImagePlus/2 2.0

IBM ImagePlus/2 2.0 brings the power of advanced document management based upon open client/server technology to your desktop. IBM ImagePlus/2 2.0 offers an OS/2 desktop solution that provides the first steps towards a paperless office:

- Manages paper documents as electronic images
- Streamlines document organization
- Electronic routing of documents from workbasket to workbasket
- Interfaces with other desktop applications, like Lotus Notes: Document Imaging** through sample code.

IBM ImagePlus/2 2.0 links the advantages of advanced document management of ImagePlus with the power of other applications running on the OS/2 desktop. Businesses can now have all their information readily available in electronic form right from the workstation desktop. IBM ImagePlus/2 2.0 is more than a system for converting paper documents into electronic forms. IBM ImagePlus/2 2.0 brings improved efficiencies and document availability to everyday business activities and vital business documents.

IBM ImagePlus/2 2.0 brings an end to the paper shuffle. No longer are there overflowing workbaskets, or desks piled high with paper. IBM ImagePlus/2 2.0 replaces all the paper shuffling with a simple to use electronic workbasket.

Through the use of electronic storage and routing of vital documents and day-to-day documents, IBM ImagePlus/2 2.0 improves any business' efforts to re-engineer their current processes by eliminating the paper bottleneck. Users can route any document on their desktop, or stored within the library server, to another workbasket defined within the system. No more time is wasted waiting for a document to go from one desk to another. IBM ImagePlus/2 2.0 provides near instantaneous routing of work from out-basket to the next in-basket. Down time waiting for documents is virtually eliminated; productivity and responsiveness to customer requests are dramatically improved.

While you already know that ImagePlus can eliminate the need for file cabinets full of paper and off-site storage of paper documents, the good news is that IBM ImagePlus/2 2.0 supports storing more than just electronically-scanned paper documents. Now electronic business documents created on your desktop, documents such as spreadsheets or word processing documents, can be stored in IBM ImagePlus/2 2.0. By storing your business documents in one central library, availability of these documents is improved to everyone with access. Through the use of wildcard searches, any document stored with IBM ImagePlus/2 2.0 can be retrieved faster than traditional retrieval of paper documents.

IBM ImagePlus/2 2.0 offers:

- Single LAN solution
- Advanced document management capabilities
- Affordable pricing
- Robust set of APIs
- Improved installation and configuration capabilities

Hardware Requirements

Server: i486 33MHz DX processor capable of running OS/2 2.x; 16MB RAM (24MB recommended); 320MB DASD; appropriate Token-Ring or Ethernet adapter and cable

Workstation: i486 33MHz capable of running OS/2 2.x; 16MB RAM, 120MB DASD; appropriate Token-Ring or Ethernet adapter and cable

Software Requirements

Server: OS/2 2.0 or 2.1, LAN Server 3.0; Extended Services with Database Server for OS/2 1.0 or DB2/2

Workstation: OS/2 2.0 or 2.1, OS/2 LAN Requester; Distributed feature for Extended Services for OS/2* 1.0 or DB2/2

IBM Announcement Letter

In the United States: 294-060

Ordering Information

Call 800-IBMCALL (800-426-2255) in the US, or call 800-565-SW4U (800-565-7948), Ext. 246 in Canada.

Note: The part numbers, hardware requirements, and software requirements are approximations and might not be complete. For specifics, call the 800 telephone numbers listed previously, contact a reseller, or contact an IBM office near you.

Part Number

In the US:

- ImagePlus/2 CD-ROM 99F9921
- ImagePlus/2 3.5 inch diskette 99F9937