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Software Product Description

PRODUCT NAME: ManageWORKS Software Developer's Kit Version 2.2   SPD 63.71.01

DESCRIPTION

ManageWORKS is an extensible framework that network administrators use to control resources. Developers extend ManageWORKS capabilities by integrating resource management applications with it. Developers can choose several levels of integration with Manage-WORKS, from the loose integration of an application launched under ManageWORKS to the tight integration obtained by writing the application as an Object Management Module (OMM).

The ManageWORKS Software Developer's Kit (SDK) Version 2.2 provides software interfaces, sample files, development tools, libraries, and programming information that assist software developers in writing OMMs. Two types of OMMs are available:

• OMMs provide the software interface for managing network objects and extend ManageWORKS powerful management solution. An OMM is a Dynamic Link Library (DLL) with entry points into the ManageWORKS architecture, thus tightly integrating with ManageWORKS. The OMM contains all the capabilities and user interface to manage an object or an instance.

• Object Navigation Modules (ONMs) are a type of OMM that provide the user interface, or navigation windows, necessary to access and configure the network objects that you want to manage. They extend the ability of ManageWORKS to find and display objects and can optionally support the Browser interface, thus allowing objects to automatically appear in the ManageWORKS Browser Viewer.

Using the sample code, common application programming interfaces (APIs), and libraries included with Man-ageWORKS SDK, developers can create applications that have a significant level of integration with Manage-WORKS. Applications developed with the SDK can be used in a multivendor network operating system (NOS) environment and run across multiple network transports.

ManageWORKS SDK Version 2.2 provides the following features:

• Sample code and libraries for Win16 Intel, Win32 Intel, and Digital Win32 Alpha platforms

• ManageWORKS framework runtime environment

• Application programming interfaces (APIs) that provide a consistent user interface across multiple transports and transport protocols for the creation of OMMs and samples

• Selected Dynamic Link Libraries (DLLs) for Microsoft Windows programming

• Include files, static libraries, sources, support classes, and tools in C and C++

• Sample OMMs in C and C++ including:

— ADDOLE2, which demonstrates the inclusion of an OLE2 server application into a custom viewer as a single-level container object, as well as the inclusion of online help with an OMM

— CPPOMM, which demonstrates a C++ OMM

— DOSDIR, which demonstrates a C OMM

— INSTSUPP, which demonstrates an installation DLL

— OEMSETUP, which demonstrates creation of a custom OMM for distribution to third parties

— RUNAPP2, which demonstrates the minimal requirements for a C++ OMM

• PODWORKS, an OMM debugging utility

• Sample InstallSHIELD installation so that OMMs can be packaged and distributed to other users

• C++ support class libraries

• OMM installation program

• OMMSPY, a tool to monitor the interactions between ManageWORKS and its OMMs

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- EXTOMM, a ManageWORKS extension object that can be used to modify object class behavior

- Sample standalone installation routines, resources, and sources

- Reference material and programming guidelines provided in hardcopy and online

In addition, the ManageWORKS runtime environment is included with the ManageWORKS SDK so that programmers can test and run their OMMs on the appropriate development platforms. The ManageWORKS SDK contains the following components, one or more of which can be installed on the Win16 Intel, Win32 Intel, and Digital Win32 Alpha platforms, as appropriate:

- Runtime kit, containing ManageWORKS initialization and executable files, Browser, OMM setup software, setup help file, and OMMSPY

- Development environment, containing the C++ OMM, include files, routine libraries, and the SDK online information

- Sample sources, providing demonstration OMMs

SUPPORTED PRODUCTS

ManageWORKS is a unique and powerful application for the management of multivendor PC LANs. It can function in an environment that has a mix of network operating systems, as well as environments that are solely NetWare or LAN Manager. ManageWORKS helps you manage:

- NetWare networks, including servers, users, user groups, print queues, volumes, and directories

- LAN Manager networks, including domains, servers, users, user groups, file services, and print queues

- SNMP, including bridges, routers, repeaters, hubs, switches, and their connections

- Local file services for the administrator, including file system navigation, print service management, and executable program management

- OLE2 objects, where any OLE2-compliant object can be embedded in the ManageWORKS framework

Note: 32-bit NT (Intel and Alpha) is not supported.

ManageWORKS features a graphical user interface for viewing and managing the essential aspects of your network. The interface is easy to learn and easy to use and provides streamlined and consistent administration and management of your network, regardless of the operating system involved. Because ManageWORKS is highly customizable, you can choose to view only the objects you want to manage and automatically display the list of tasks you use daily.

ManageWORKS is highly scalable to accommodate the growing number of systems you need to manage network resources locally and remotely. ManageWORKS is also highly extensible to allow you to add resource management modules and execute tasks from a single console.

HARDWARE, DISK SPACE, AND MEMORY REQUIREMENTS

Hardware, disk space, and memory requirements are:

- The minimal hardware configuration is a 33-Mhz 80386 processor with 8 MB of RAM. However, for best performance, Digital recommends a 50-Mhz 80486 processor with 16 MB of RAM.

- ManageWORKS SDK requires a n SVGA monitor and a CD-ROM drive (local or available by means of a network connection).

- Depending on the components you install and the platforms you are using, ManageWORKS SDK requires the following disk space. Note that if you are installing multiple platform environments, the disk space requirements are cumulative.

Component	Win16 Intel	Win32 Intel	Win32 Alpha
Runtime Kit	18600 KB	28900 KB	24700 KB
Development Environment	2200 KB	3400 KB	3600 KB
Sample Sources	3000 KB	3000 KB	3000 KB
Total	23.8 MB	35.3 MB	31.3 MB

- Depending on the platform are using, ManageWORKS SDK requires the following memory. Note that if you are installing the SDK for multiple platform development, the requirements are cumulative for each different platform you install.

Platform	Minimal Memory	Recommended Memory
Win16 Intel	420 KB available conventional memory; 1500 extended memory	2 MB
Win32 Intel	16 MB	32 MB
Digital Win32 Alpha	24 MB	32 MB

SOFTWARE REQUIREMENTS

ManageWORKS SDK requires one of the following Windows systems:

- Microsoft Windows Version 3.1 or later running in enhanced mode
- Windows NT Version 3.51 or later
- Microsoft Windows for Workgroups Version 3.11 or later
- Microsoft Windows 95

To build the sample programs ManageWORKS SDK requires:

- Microsoft Visual C/C++ (MSVC) Version 1.52 or later for Win16 platforms, or Version 2.1 or later for Win32 platforms
- MFC Version 2.5

The sample installation need:

- InstallSHIELD Version 2.00.063 or later. (InstallSHIELD is a product of Stirling Technologies, Inc.)

Digital recommends:

- AppStudio for the creation of dialog boxes
- ClassWizard and AppWizard for creation of MFC-conforming classes
- Microsoft Foundation Class Library
- Microsoft Word Version 6.a or later and WinHelp to build help files

DISTRIBUTION MEDIA

ManageWORKS SDK is distributed only on CD-ROM. You obtain the CD-ROM by ordering the ManageWORKS Software Developer's Kit Version 2.2 for Windows. The product includes both CD-ROM and hardcopy documentation; they are not available separately.

If required, you can create a diskette kit from the installation kit.

ORDERING INFORMATION

You must obtain a ManageWORKS Software Developer's Kit Version 2.2 license for each system on which you install the software.

- Software license: QM-3MV9A-AA
- Software Product (license, CD-ROM media, and documentation): QB-3MV9A-SA
- Software Product Services: AT-3MV9A-XA

SOFTWARE PRODUCT SERVICES

A variety of services are available directly from Digital or from an authorized Digital reseller. For more information, contact your local Digital office or authorized Digital reseller.

BUSINESS PARTNERS PROGRAM FOR NETWORK INTEGRATION SOFTWARE

Digital offers the Network Integration Software (NIS) Business Partner Program to qualified developers of application software who use ManageWORKS, PATHWORKS clients and servers, or Digital's middleware software (DCE, ObjectBroker, DECmessageQ, and InfoBroker). Digital provides its business partners with the following assistance programs:

- Technical support and development assistance on any NIS product
- Business development programs
- Marketing and merchandising support
- Training and education

Technical support and development assistance include loan of product software, access to Digital's partner network, early access to evaluation software, discount, lease, or rental of hardware products, and PATHWORKS application interoperability testing. Marketing and merchandising assistance includes participation in Digital and industry events, NIS Business Partner portfolio, electronic and direct mail product promotion campaigns, SOFTbase and DECdirect application advertising, and developer forums at Digital and non-Digital events.

You are encouraged to apply for participation in the program. A program description and reply card are included in the distribution kit. For more information, send Internet mail to decnidev@digital.com or access the Business Partners Forum on CompuServe at GO DECNIDEV, or GO DEC.

DEVELOPER SUPPORT SERVICES

Digital offers fee-based services through Multivendor Customer Services. This service offers expert technical support for a range of software development and network operating system environments. You select the level of support appropriate to your needs. The support options include:

- Electronic Developer's Forum
- Direct Access to Developer Support Team

- Designated Account Representative

- On-Site Support

For more information, contact your Digital sales office.

COMPUSERVE

All ManageWORKS developers and end users are invited to use CompuServe to post questions and communicate with other developers, end users, and Digital engineers. Access GO DECNIDEV on CompuServe.

SOFTWARE WARRANTY

Warranty for this software product is provided by Digital with the purchase of a license for the product as defined in the Software License Agreement.
The above information is valid at the time of release. Please contact your local Digital office for the most up-to-date information.

FEEDBACK

To submit suggestions about the ManageWORKS products and related programs and services, sent Internet mail to manageworks@digital.com or, on the world wide web, to http://www.digital.com/info/nis.

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