

MIMSY•XG

TECHNICAL INFORMATION

The following is a compilation of important technical information on MIMSY XG (MXG) that both current and future users will find helpful. Please read through these topics carefully as they contain information that will affect the implementation and success of your project. This information is subject to change as Oracle releases new versions of its products. Although MXG currently runs on Oracle 10g, the specifications below are also appropriate for 11g installations.

SPECIFICATION CONSIDERATIONS

Please note that the hardware specifications on the Oracle website and in this document are for the Oracle database only and do not incorporate any other configuration factors (including processor speed and RAM needed to run the server or workstation operating systems). We strongly recommend purchasing equipment that exceeds the recommended specifications and accounts for any operating system requirements. We are happy to review any hardware you are considering and comment on performance considerations.

OPERATING SYSTEM SYSTEMS

MIMSY XG incorporates the Oracle database management system, the most popular relational database management system in the world. Oracle, and therefore MIMSY XG, is available on multiple operating system platforms including Windows 2000 Server, Windows Server 2003, Linux, and several varieties of Unix. If you plan to use an operating system not listed in this specification, please contact our offices to confirm compatibility.

MIMSY XG COMPONENTS

All MIMSY XG installations receive the following software:

- MIMSY XG software.
- Java Runtime Environment 1.4.2.05 or later (supplied on install CD)
- MIMSY XG Installation CD
- Crystal Runtime Viewer
- Oracle 10g server software

- At least one copy Crystal Reports Developer Edition 9, Developer Edition 10, or Developer Edition XI, or Crystal Reports 2008. Any user who builds or modifies reports needs a copy of Crystal Reports for their workstation.

DOCUMENTATION

All MIMSY XG installations receive one set of MIMSY XG Manuals (delivered in electronic format on CD). Under your license agreement, you have permission to make as many copies as you like of the MIMSY XG Manuals for internal use.

If you purchase Oracle through Willoughby, the electronic documentation you will receive also includes:

- Oracle 10g Server Administrator's Guide
- Oracle 10g Utilities User's Guide
- Oracle 10g Server Messages and Codes Manual
- Oracle 10g SQL Language Reference
- PL/SQL User's Guide and Reference
- SQL*Plus User's Guide and Reference

If you are purchasing Oracle through any channel other than Willoughby, please make sure that you obtain any documentation you require through the same contact. If you purchase Crystal Reports through Willoughby, you will also receive any electronic or hard copy documentation bundled with the software by the distributor. Please note: documentation and format may vary depending on where the software is purchased.

APPLICATION COMPONENTS

If you already have Oracle or are acquiring Oracle directly from the Oracle Corporation, Willoughby Associates will install these components on the MIMSY XG server as part of the MIMSY XG implementation. Support for Oracle components provided with MIMSY XG will only be provided in conjunction with MIMSY XG and no other applications.

Installed on server:

- Oracle 10g
- Oracle Networking Components

Installed on clients:

- Oracle Instant Client (with Java)
- Java Runtime Environment
- MIMSY XG Software Application
- Crystal Reports
- Oracle ODBC Drivers
- Crystal Reports Runtime Version (PCs only). At this time, there is no Macintosh compatible reporting tool available from Crystal Reports / Business Objects.

HARDWARE AND SOFTWARE REQUIREMENTS

Before you place your final hardware order, please make sure that you have submitted it to us for review. If you have any questions, please call us.

MIMSY XG supports both PCs and Macs as clients. PC clients may run under Windows 2000, Windows Vista, Windows XP Professional, and Linux. Mac clients may run under OS X Jaguar version or later.

TECHNICAL INFORMATION

SPECIFICATIONS FOR SERVERS

The following specifications are for 32-bit operating systems on Windows 2000 Server with Service Pack 4 or later, Windows Server 2003, Windows XP Professional, Linux, and Unix. For specifications for other server operating systems, contact Willoughby Associates. Specifications are provided for Oracle Standard Edition One for a server with a single processor. Sites implementing Oracle Enterprise or servers with multiple processors should contact Willoughby Associates for additional technical specifications.

For performance reasons, Oracle Corporation specifically recommends a separate database server. If other applications such as office automation suites (including word processing), e-mail, etc. are planned to be run on the same server as Oracle and MIMSY XG, the museum should check carefully with Willoughby and Oracle first and determine if this is feasible. If you will be running more than MIMSY XG on your server, you will need an additional amount of memory beyond what the other application(s) require. FTP access from the server is desirable to facilitate installation of MIMSY XG server components.

All servers require:

- A CD-ROM drive
- Video Adapter: 256 color
- Monitor/Keyboard/Mouse
- Server backup hardware and software
- Recommended Processor: 1.8 GHz
- Recommended RAM: 1024 MB; the more data and users, the more RAM needed
- Storage space (NTFS file system preferred): 4.55 GB for Oracle Home Drive
- Disk space for database files: space for database files depends on the number of records and fields populated at each site. An empty MIMSY XG database is approximately 1GB. Our clients have databases that range in size from 2 GB-10 GB. We can provide more specific

estimates after consulting with your IT team.

- Disk space digital media files if you plan to store them on the MIMSY XG server
- Windows 2000 Server requires Service Pack 4 or later

Unix / Linux / Solaris Servers also require:

- Swap space: 1 GB (1048576 KB) or twice the size of RAM. On systems with 2 GB or more of RAM, the swap space can be between one and two times the size of RAM
- Disk space in /tmp: 400 MB (409600 KB)

SPECIFICATIONS FOR CLIENTS

The MIMSY XG Client may be installed on workstations running Windows 2000, Windows XP Professional, Windows Vista Business, Linux, and Macintoshes running OS X Jaguar version or later.

Client workstations:

- PC: Pentium-based computer 550MHz minimum; for Windows Vista, 800MHz minimum OR
- Mac: 400MHz PowerPC G4 or 350 MHz PowerPC G3/iMAC
- RAM: 512 MB recommended; 1024 MB if using Windows Vista
- Virtual Memory: Double the amount of RAM.
- Windows: Windows 2000 Service Pack 4 or later, or Windows XP Professional Service Pack 2 or later
- Linux: X Window System
- Keyboard/Mouse
- Graphics card capable of 1024x768 or higher resolution with 256 or more colors (65,000 colors recommended) and a compatible monitor; MIMSY XG is designed to display at a resolution of 1024x768
- Sound card for audio files
- 120MB storage required for application

ADDITIONAL REQUIREMENTS

Any client on which MIMSY XG will be installed, must be connected to the server via a network and fully tested prior to system installation. The network communications protocol (TCP/IP) must be set up prior to system installation. Willoughby Associates must approve any other communications protocols.

REMOTE SUPPORT

All MIMSY XG users are required to provide a means of remote access to the server and at least one workstation. Access may be provided through Microsoft Remote Desktop Protocol (RDP), Virtual Network Computing (VNC), or Virtual Private Networks (VPN). Our preferred method of access is the RDP solution. While this may require more administration on-site, RDP enables Willoughby Technical Support to access everything that a user would be able to see from a desktop within the museum.

April 2008

FOR MORE INFORMATION:

Willoughby Associates, Limited
266 Linden Street
Winnetka, Illinois 60093

phone: 847-332-1200
fax: 847-332-1272

email: info@willo.com
web: www.willo.com