

# Seagate Holos Version 6.0A

## Hardware & Software Document

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### Overview

This document describes the hardware and software combinations with which Holos is known to work. Other configurations may work, but this cannot be guaranteed.

*This document contains configuration information that is current as of Holos 6.0A dated 30 May 1997; for the most up-to-date configuration information, please contact the Seagate Software Support Desk.*

When a version of Holos is issued it is tested against the latest operating system and database, which is available at the time of the test. The details of these are issued to the Seagate Software Support Desks, and details of this list of certified combinations can be obtained from them. A Holos version is not normally tested against any older operating system or database versions. This document lists previously supported operating systems and database versions, but this does not mean that they will all work with the latest version of Holos, although in most cases they will.

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## Client/Server compatibility

Please refer to the list below, to check compatibility between Client and Server versions

### Holos 6.0A

- Holos 6.0A Client with Holos 6.0A Server

## Client platforms

### Supported Microsoft Windows Configurations

#### PC type

- IBM PC or 100% compatible equipped with Intel 80486 processor. Note that a Pentium processor is recommended.

#### Environment

- Holos runs in Windows 3.1, Windows for Workgroups 3.11 and Windows 95 modes.
- Holos also runs in the 16 bit Windows subsystem of Windows NT 3.51 or 4.0 and in the Win-OS/2 subsystem of IBM OS/2 Warp 3.0 or 4.0

#### Memory

- Holos requires a minimum of 8 Mbytes of RAM. Under Windows 95 and NT, a minimum of 16 Mbytes is recommended.

#### Fixed disk

- Hard disk with at least 16 Mbytes free for Holos files.

#### Mouse/touch screen

- Microsoft Mouse or 100% compatible
- Holos supports touch screens under Windows which fully emulate mouse movement.

#### Display

- Holos will run on any display adapter supported by Windows. For optimal display we recommend at least an 800 x 600 (SVGA) screen, running 256 colours or more.

#### Communications

- Asynchronous communications via PC COM ports  
*all PC supported baud rates up to 19200 baud  
binary (254 possible values)  
non-binary (64 possible characters)  
bi-directional XON/XOFF flow control is required*
- Digital LAT (Digital PATHWORKS for DOS v5.0; v5.1)  
*LAT.EXE v5.0.036 or v5.0.045  
LAT.EXE v5.1.001*
- Digital CTERM (Digital PATHWORKS for DOS v5.0; v5.1)  
*CTERM v5.0.019 or v5.0.020*
- TCP/IP  
*Via Windows Sockets v1.1 or proprietary interfaces HP ARPA Services,  
NOVELL or Wollongong.*

## Supported Apple Macintosh Configurations

### Macintosh type

- Macintosh models with 68020 processor or higher (a 68040 processor or Power Mac is recommended)
- High resolution screen expected  
*640 x 400 minimum for Holos 4.0*  
*640 x 480 minimum for Holos 5.0A and above*
- Colour display
- Monochrome display connected to a Macintosh with a colour adapter may also be used, but note that it is not the preferred configuration
- Standard or extended keyboards (extended is preferred)

### Operating systems

- System 7, revisions up to 7.5.5

### Memory

- Holos requires a minimum 8 Mbytes free RAM (real or virtual), after the system software requirements. Note that if you intend running the following, they will require additional RAM, on top of any other application (including Holos) or system software that may be running:
  1. The tutorial module requires an additional 4 Mbytes of RAM
  2. Holos help requires an additional 1.5 Mbyte of RAM
  3. If using TELNET or TCP, an additional 500 Kb of RAM is required.More memory can be made available by turning on virtual memory.

### Fixed disk

- Hard disk with at least 16 Mbytes free disk space

### Communications

- Asynchronous communications, via modem or printer port  
*all Macintosh-supported baud rates up to 19200 baud*  
*binary (254 possible values)*  
*non-binary (64 possible characters)*  
*bi-directional XON/XOFF flow control is required*
- Macintosh Communications Toolbox, supporting the scripted interface to the Connection Manager. These tools are known to work:  
*Serial Tool v1.0.1 (asynchronous connection, baud rate <=57600)*  
*Digital AppleTalk-LAT Tool v1.2*  
*Digital LAT Tool v1.2*  
*Digital CTERM Tool v1.2*  
*TCPack Tool (Product TCPack v2.2.4 from Advanced Software Concepts (France)). TCPack provides TELNET functionality and supplies MacTCP.*
- MacTCP v2.04 or later
- OPEN TRANSPORT v1.1 or later (requires a minimum 68030 processor)

## Server platforms

### Holos Server for Windows NT (Intel only)

#### Operating Systems

- Windows NT v3.51, v4.0

#### Databases

- Oracle Workgroup Server for Windows NT v7.1.3.3.6, v7.2.2.4.0, v7.3.2.2.1, v7.3.2.1.1  
*(Note: v7.2.2.4.0 only works with versions upto Holos 5.0B  
v7.3.2.1.1 needs Holos 5.0C or later. For 7.3 the support files for Oracle 7.1 and 7.2 must also be installed via the Oracle Custom install)*
- ODBC database connections

#### ODBC

- ODBC Drivers - The ODBC version of Holos supports connections to Oracle 7 and Microsoft SQL Server using Microsoft ODBC Driver Manager v2.01, v2.10, v2.50, v3.00
- INTERSOLV DataDirect 32-bit ODBC Drivers. Note that 16-bit ODBC drivers cannot be used as Holos is a 32-bit application.  
*If you are using the ODBC interface, you must also have properly installed an INTERSOLV driver. This driver is the one supported and tested by Seagate Software. Note, however, that it is not supplied by Seagate Software, and must be purchased separately.*
- Microsoft ODBC SQL Server driver. This requires the Microsoft ODBC SQL Server Driver 2.65.0213 and is available via the service pack 65SP1X86.EXE. The 32-bit driver is called SQLSRV32.DLL ODBC Drivers. Note that 16-bit ODBC drivers cannot be used as Holos is a 32-bit application.

## Holos Server for Windows NT (Alpha only)

### Operating Systems

- Windows NT v3.51, v4.0

### Databases

- ODBC database connections

### ODBC

- ODBC Drivers - The ODBC version of Holos supports connections to Microsoft SQL Server using Microsoft ODBC Driver Manager v2.01, v2.10, v2.50
- Microsoft ODBC SQL Server driver. This requires the Microsoft ODBC SQL Server Driver 2.65.0213 and is available via the service pack 65SP1X86.EXE. The 32-bit driver is called SQLSRV32.DLL ODBC Drivers. Note that 16-bit ODBC drivers cannot be used as Holos is a 32-bit application.

## Supported Digital VAX/VMS Configurations (OpenVMS VAX)

### Terminals

- VT100, 102
- VT220, 240 (monochrome graphics), 241 (colour graphics)
- VT320, VT340
- VT420

### Operating systems

- VMS v5.5, v6.0, v6.1, v6.2

### Databases

- ORACLE v7.0.13.1.0
- ORACLE v7.0.16.4.0  
*Mandatory patch number 240442 required to fix Ctrl-Break processing problem.*
- ORACLE v7.1.3.2.0
- Oracle Rdb v5.1 with Oracle SQL v5.1-0 (internal version 5.1-0)
- Oracle Rdb v6.0 with Oracle SQL v6.0-0 (internal version 6.0-0)
- Oracle Rdb v6.1 with Oracle SQL v6.1-0 (internal version 6.1-0)
- INGRES v6.4/04 (vax.vms/00)
- INGRES v6.4/05 (vax.vms/00)
- SYBASE SQL SERVER v4.9 with Open Client DB-Library v4.6.1
- SYBASE SQL SERVER v4.9.2 with Open Client DB-Library v4.6.2
- SYBASE SQL SERVER v10.0.2 with Open Client DB-Library v10.0.2

### Office Automation

- ALL-IN-1 v2.3
- ALL-IN-1 v2.4
- ALL-IN-1 v3.0



## Supported Digital OpenVMS AXP Configurations

### Operating systems

- OpenVMS AXP v6.1, v6.2  
*v6.2 Requires the DEC patch known as 'DECC\$SYS\_ERRLIST Patch'*

### Databases

- ORACLE v7.0.16.4.0  
*Mandatory patch number 240442 required to fix Ctrl-Break processing problem.*
- ORACLE v7.1.3.4.0
- ORACLE v7.1.5.2.3
- INGRES v6.0/05 (axp.vms/00)
- INGRES v6.4/05 (axp.vms/00)
- Oracle Rdb v6.0 with Oracle SQL v6.0-0 (internal version 6.0-0)
- Oracle Rdb v6.1 with Oracle SQL v6.1-0 (internal version 6.1-0)
- SYBASE SQL SERVER v10.0.3 with Open Client DB-Library v10.0.3

## Supported Hewlett Packard HP 9000/800 HP-UX Configurations

*Note that the HP 9000/700 hardware series is also compatible with this version of Holos.*

### Operating systems

- HP-UX v10.01, v10.10, v10.20

*HP patch PHSS\_8966 required for error logging.*

Please Note: There are two different Holos Kits. One for 10.20 and another for 10.01/10.10, (HP-UX v9.0 is not supported from 6.0A)

### Databases

- ORACLE v7.1.6.2.0
- ORACLE v7.2.2.3.0
- ORACLE v7.3.2.1.0
- INGRES v6.4/05 (hp8.us5/00)
- INGRES v6.4/06 (hp8. us5/00)
- SYBASE SQL SERVER v4.9.2 with Open Client DB-Library v4.6.2
- SYBASE SQL SERVER v10.0.1 with Open Client DB-Library v10.0.1
- SYBASE SQL SERVER v10.0.2 with Open Client DB-Library v10.0.2
- SYBASE SQL SERVER v10.0.3 with Open Client DB-Library v10.0.3
- INFORMIX v6.00  
*INFORMIX ESQ/C v6.00 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.10.UC1  
*INFORMIX ESQ/C v7.10 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.12.UC1  
*INFORMIX ESQ/C v7.12 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.13.UC3  
*INFORMIX ESQ/C v7.13 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.21.UC1  
*INFORMIX ESQ/C v7.21 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*

**(Valid for only HP-UX 10+):**

- ORACLE 7.3.2.3.0
- OPEN INGRES 1.2/00 (hp8.us5/00)
- DB2 v2.01

- SYBASE SQL SERVER v11.0.2 with Open Client DB-Library v10.0.4
- Red Brick with Open Client DB-Library v10.0.3
- ODBC under Unix using Visigenic ODBC-Driver Manager and Driver Set v02.00.0000

*This connects to a number of Databases including HP Information Warehouse, details of those tested are available from Seagate Software Support Desks.*

## Supported IBM RS/6000 AIX Configurations

### Operating systems

- AIX 3.2.5
- AIX 4.1, AIX 4.1.3, AIX 4.2

### Databases

- ORACLE v7.2.2.3.0
- ORACLE v.7.3.2.1.0
- INGRES v6.4/05 (ris.us5/00)
- INGRES v6.4/06 (ris. us5/00)
- SYBASE SQL SERVER v4.9.2 with Open Client DB-Library v4.6.2
- SYBASE SQL SERVER v10.0.1 with Open Client DB-Library v10.0.1
- SYBASE SQL SERVER v10.0.2 with Open Client DB-Library v10.0.2
- SYBASE SQL SERVER v10.0.3 with Open Client DB-Library v10.0.3
- INFORMIX v6.00.UE1  
*INFORMIX ESQL/C v6.00 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.10  
*INFORMIX ESQL/C v7.10 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.12.UC1  
*INFORMIX ESQL/C v7.12 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.21.UD1  
*INFORMIX ESQL/C v7.21 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- DB2 v2.01  
*Note that DB2/6000 supports extensive network connectivity to DB2 on other IBM platforms using a product called DDCS/6000. This includes, for instance, access to DB2 on mainframes and AS400 systems.*
- DB2 v2.1.1
- DB2 Parallel Edition v1.2

### (Valid for only AIX 4.1+):

- ORACLE v7.3.2.3.0
- Red Brick with Open Client DB-Library v10.0.3
- ODBC under Unix using Visigenic ODBC-Driver Manager and Driver Set v02.00.0000  
*This connects to a number of Databases, details of those tested are available from Seagate Software Support Desks.*

## Supported ICL DRS 6000 DRS/NX Configurations

### Operating systems

- DRS/NX v6.2.03  
*Mandatory patch B6-284 required to fix problem with stack linkages in signal handlers, required for error log support*  
*Recommended patch B6-309 to handle 0./0. errors*
- DRS/NX v7.2.2 (no patches needed)
- DRS/NX v7.5.5

### Databases

- ORACLE v7.0.12.2.0
- ORACLE v7.0.13.1.0
- ORACLE v7.1.6.2.0
- INGRES v6.4/04 (dr6.us5/00)
- INGRES v6.4/05 (dr6.us5/00)
- INFORMIX v5.00  
*INFORMIX ESQ/C v5.00 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v6.00.UE1  
*INFORMIX ESQ/C v6.00 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*

## Supported Sequent SYMMETRY DYNIX/ptx Configurations

### Operating systems

- DYNIX/ptx 2.1.5 (no patches required)
- DYNIX/ptx 2.1.6 (no patches required)  
*Note: In DYNIX/ptx v4.0, Sequent changed the native object format from COFF to ELF. COFF format is valid for all DYNIX/ptx versions (for compatibility), but ELF is valid ONLY from DYNIX/ptx v4.*  
*Two installation tapes are available for DYNIX/ptx, depending on the object format required.*
- DYNIX/ptx 4.0.0 (no patches required)
- DYNIX/ptx 4.1.2
- DYNIX/ptx 4.1.3
- DYNIX/ptx 4.2.0

### Databases

#### COFF format (valid for all current DYNIX/ptx 2 versions)

- ORACLE v7.0.16.4.0
- ORACLE v7.1.3.0.0
- ORACLE v7.1.6.2.0
- ORACLE v7.2.2.3.0
- INGRES v6.4/04 (sqs.ptx/00)
- INGRES v6.4/05 (sqs.ptx/00)
- SYBASE SQL SERVER v4.9 with Open Client DB-Library v4.6
- SYBASE SQL SERVER v10.0.1 with Open Client DB-Library v10.0.1
- INFORMIX v5.01  
*INFORMIX ESQ/C v5.01 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v5.02  
*INFORMIX ESQ/C v5.02 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v6.00.UE1G6  
*INFORMIX ESQ/C v6.00 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*

#### ELF format (valid for only DYNIX/ptx v4+):

- ORACLE v7.2.2.3.0
- ORACLE v7.3.2.1.0
- ORACLE v7.3.2.3.0

- INFORMIX v7.10.UC2  
*INFORMIX ESQ/C v7.10 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.11.UC5  
*INFORMIX ESQ/C v7.11 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.20.UC2  
*INFORMIX ESQ/C v7.20 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*

## Supported Sun Sun-4 SunOS Configurations

### Operating systems

- Solaris 2.3 also called SunOS 5.3 (*on SPARC hardware*)
- Solaris 2.4 also called SunOS 5.4 (*on SPARC hardware*)
- Solaris 2.5 also called SunOS 5.5 (*on SPARC hardware*)  
*Note: the 'C' compiler kit SPARCworks Professional (C3.0 or C4.0) is required.*

### Databases

- ORACLE v7.1.6.2.0
- ORACLE v7.2.2.3.0
- ORACLE v7.3.2.1.0
- ORACLE v7.3.2.3.0
- INGRES v6.4/04 (su4.us5/02) [*Solaris 2.3 versions*]
- INGRES v6.4/05 (su4.us5/00)
- INGRES v6.4/06 (su4.us5/00)
- SYBASE SQL SERVER v4.9.2 with Open Client DB-Library v4.6.2
- SYBASE SQL SERVER v10.0.1 with Open Client DB-Library v10.0.1
- SYBASE SQL SERVER v10.0.2 with Open Client DB-Library v10.0.2
- SYBASE SQL SERVER v10.0.3 with Open Client DB-Library v10.0.3
- INFORMIX v6.0.UE1  
*INFORMIX ESQL/C v6.0 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.11.UC1  
*INFORMIX ESQL/C v7.11 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.12.UC1  
*INFORMIX ESQL/C v7.12 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.20.UC2  
*INFORMIX ESQL/C v7.20 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.21.UC1  
*INFORMIX ESQL/C v7.21 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- DB2 v2.01
- Red Brick with Open Client DB-Library v10.0.3
- Teradata v2r.01.01.01.00  
*Teradata DBS Preprocessor2 required.*



- ODBC under Unix using Visigenic ODBC-Driver Manager and Driver Set v02.00.0000  
*This connects to a number of Databases, details of those tested are available from Seagate Software Support Desks.*

## Supported AT&T System 3000 SRV4 MP-RAS Configurations

### Operating systems

- SVR4 MP-RAS v02.03.01
- SVR4 MP-RAS v03.00.00
- SVR4 MP-RAS v03.01.00

### Databases

- ORACLE v7.0.16.4.1
- ORACLE v7.2.3.0.0
- ORACLE v7.3.2.1.0
- INGRES v6.4/06 (su4.us5/00)
- SYBASE SQL SERVER v10.0.3 with Open Client DB-Library v10.0.3
- INFORMIX v7.11.UC2  
*INFORMIX ESQ/C v7.11 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.13.UC1  
*INFORMIX ESQ/C v7.13 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- INFORMIX v7.20.UC2  
*INFORMIX ESQ/C v7.13 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*

### (valid for only SVR4 MP-RAS v03+):

- ORACLE v7.3.2.3.0
- INFORMIX v7.21.UD1  
*INFORMIX ESQ/C v7.21 required. Note that this is a separate product not included with INFORMIX-SE or INFORMIX-ONLINE.*
- Teradata v2r.01.01.01.00  
*Teradata DBS Preprocessor2 required.*

## Supported Silicon Graphics IRIX Configurations

### Operating systems

- IRIX v6.2 (on MIPS hardware)

### Databases

- ORACLE v7.3.2.1.0
- ORACLE v7.3.2.3.0
- SYBASE SQL SERVER v11.0.2 with Open Client DB-Library v10.0.3
- INFORMIX v7.22.UC2

## Supported Digital UNIX Configurations

### Operating systems

- Digital UNIX v4.0  
*Mandatory patches OSF400-037 and OSF400-083*

### Databases

- ORACLE v7.3.2.1.0
- ORACLE v7.3.2.3.0
- SYBASE SQL SERVER v11.0.2 with Open Client DB-Library v10.0.3
- INFORMIX v7.20.UC3
- Red Brick with Open Client DB-Library v10.0.3

## Supported Siemens Nixdorf Reliant UNIX Configurations

### Operating systems

- Reliant UNIX v5.43

### Databases

- ORACLE v7.3.2.3.0
- OPEN INGRES 1.2/00 (rmx.us5/01)  
*Mandatory patch number 4526 required.*
- SYBASE SQL SERVER v11.0.2 with Open Client DB-Library v10.0.3
- INFORMIX v7.21.UD1

## Supported output devices (all configurations)

### Server

- Digital's CDA (Compound Document Architecture)
- DEC LNO3 compatible laser printers (text output only)
- HP PaintJet compatible ink jet printers
- HP PaintJet XL (cartridge HP-GL2 must be installed)
- HP DeskJet 500 series
- Postscript compatible laser printers (colour or monochrome)
- HP LaserJet II, III and 4 compatible printers
- HPGL compatible plotters (graphics output only)  
*Note: any text-mode system printer may also be used.*

### Client

- workstation printing (supports a wide range of printers, using the workstation's own printer drivers)

## Sound and video formats

### Windows

- Video – Video for Windows v1.1 .AVI format files
- Sound – Windows .WAV format files (sound card or *speaker.drv* required for sounds to be produced) *asynch comms not recommended if using speaker.drv*

### Macintosh

- Video – Macintosh QuickTime movies (v2.0 preferred)
- Sound – Macintosh sound files only

## Live links to other applications

### Windows

- Object Linking and Embedding (OLE)

### Macintosh

- Apple's Subscribe

## Supported Email systems

### Server

- Windows NT  
*Microsoft Windows NT Mail (MAPI interface)*
- VMS  
*VMSmail (standard VMS default mail)*  
*ALL-IN-1 MAIL for VMS*  
*ALL-IN-1 (Digital's office automation product)*
- UNIX  
*mailx (the UNIX default mail utility)*

### Client

The two main Windows-based email systems are supported (but note that currently there is no Macintosh email support):

- Microsoft MsMail (MAPI interface)
- Lotus ccMail (VIM interface)

## Graphics formats

- Output of Encapsulated PostScript (EPS) files to desktop publishing and presentation graphics programs
- Input and output of BMP, ICO, WMF or PICT format files