

InfoWorkSpace 3.0 Solaris Client Installation

About this guide

This Installation Guide is in Adobe Acrobat's PDF format. The free Acrobat reader is available online at: www.adobe.com.

For the convenience of navigation and finding content, we have built in a Table of Contents at the beginning of the Guide, and an Index at the end of the Guide.

In addition, later versions of Acrobat allow you to view the Table of Contents in the left panel of the Window by invoking the Adobe Bookmark feature available from the View option on the title menu, and selecting Navigation tabs, and Bookmarks from the drop down menus. Acrobat also has a search function that allows you to search for key word text strings.

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Solaris Client Installation

This section lists the recommended hardware, software and optional components for a Sun Solaris environment. Installation of the InfoWorkSpace client, the InfoWorkSpace browser client, and LaunchPad from the Client CD and downloading software from the server is also described.



Solaris Client installations require that the installer is logged onto the client as the “root” user; however the InfoWorkSpace Portal Page will not work as designed for a user logged on as root. For security reasons, only log onto your server as *root* when required to do so.

Recommended Hardware

Hardware recommendations are intended only as guidelines, since performance results may vary depending on your environmental variables.

Each client must have the following minimum recommended hardware in order to experience the full functionality of the InfoWorkSpace environment:

- UltraSPARC II 300 MHz or better
- Microphone
- External Speakers (optional)
- 24-bit graphics card or better (to eliminate color map issues with browsers and video applications)
- Video capture card and video camera (optional video conferencing sessions).
- 150MB of available hard disk space in /var and 150MB of available disk space in /opt (or the directory chosen for the client install) is needed during the installation process. A total of 300MB of total disk space needed to install the InfoWorkSpace client. Once the client installation is complete the disk space requirements are reduced.
- 256 MB RAM

- Operating System Requirements** The InfoWorkSpace 3.0 Client operates with the following operating systems:
- Solaris 8 2/04 Release
 - Solaris 9 9/05 Release
 - Solaris 10 3/05 Release



Patches must be installed as described in the Required Components (Solaris) section.

- Required Components** These software items can be installed at each InfoWorkSpace client or on an application/file server.
- Web browser (EZEN1wc) – installs Netscape Communicator 4.73 and is required even if you already have a web browser installed on the client machine. The web browser **MUST** be installed prior to the installation of the InfoWorkSpace Browser Plug-In or InfoWorkSpace Application software.

- EZENiws Components** The EZENiws_30 package includes the following components:
- Client Application
 - LaunchPad Application
 - Browser Plug-In
 - PlaceWare Plug-In

- InfoWorkSpace Client or Browser Plugin** The IWS Plug-In contains the following:
- InfoWorkSpace Browser Plug-In (EZEN2plg) – This package is required to run both the browser version and application version of InfoWorkSpace.
 - InfoWorkSpace Client Application (EZENcli) – recommended but not required when browser only access is desired.



The InfoWorkSpace client will not operate effectively until current Recommended Patch Clusters for the Solaris operating system are installed on the system. You may download and install the most current patches from the Sun Microsystems web site.

Optional Components

PlaceWare Conference Center

In order to use the PlaceWare Conference Center, the following components are recommended:

- PlaceWare Media Client
- PlaceWare Snapshot/Application Share Plug-in

The PlaceWare Plug-In for Solaris include the PlaceWare Media client and the PlaceWare Snapshot/AppShare Screen capture utility. All of these tools are included in the PlaceWare Plug-In component installer contained in the EZENcli package.

The following list of components add to the functionality of the InfoWorkSpace client:

- Personal Webcam for SBUS Sun Video – used for personal video
- Adobe Acrobat Reader – needed to view the online documentation

Configure your `/etc/nsswitch.conf` and `/etc/resolv.conf` files to point to the DNS server which can resolve the fully qualified host name of the InfoWorkSpace server, or you can add the fully qualified host name to your NIS, NIS+, or `/etc/hosts` file.

Using the InfoWorkSpace Client CD

Main Menu

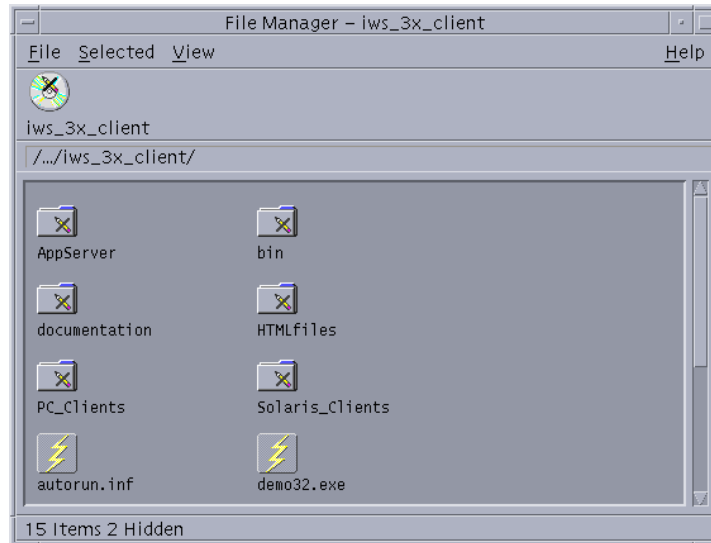


Figure 1 File Manager – iws_3x_client

InfoWorkSpace Client CD

The InfoWorkSpace Client CD contains the InfoWorkSpace Client installation components and support information.

Insert the InfoWorkSpace Version 3.0 Client CD in the CD-ROM drive.

If your system is running Volume Manager, it automatically mounts the CD to the /cdrom/iws_3x_client directory. If a window does not display showing the contents of the CD, then start the volume manager by typing the following commands in a terminal window:

```
# /etc/init.d/volmgt stop
# /etc/init.d/volmgt start
```

If your system is not running Volume Manager, mount the CD as follows:

```
# mkdir -p /cdrom/iws_3x_client
# mount -F hsfs -r /dev/dsk/c0t6d0s2 /cdrom/iws_3x_client
```

You can access the InfoWorkSpace guides from the ezenia! website at www.ezenia.com.

If you wish to have a CD containing the InfoWorkSpace documentation, contact your account representative.

You must have Adobe Acrobat Reader installed to be able to view the documentation.

Installing InfoWorkSpace Component Applications

The InfoWorkSpace Client for Solaris includes the Client application, the LaunchPad application, and the Browser Plug-In. All of these tools are included in the EZENiws_iws30 package installer.



The InfoWorkSpace 3.0 Client Application installer will remove any previously installed InfoWorkSpace Client Applications.

The Java Plug-in 1.4.2_10 is provided, if not already available on the client machine, to work with the InfoWorkSpace Client Applications.

InfoWorkSpace Client

The InfoWorkSpace 3.0 Client is the local Java Application version of InfoWorkSpace, for those who desire a local application. It is recommended, but not required, when browser only access is desired, or when using the LaunchPad without connecting to InfoWorkSpace.

LaunchPad Client The LaunchPad Client is a local Java Application version of the InfoWorkSpace Instant Messaging client. Although LaunchPad can be accessed from a browser, the LaunchPad Client is the preferred access method for instant messaging. This component must be installed when access to LaunchPad from a local client is required.

Browser Plug-in You do not have to install the InfoWorkSpace Client or LaunchPad Client applications for standard InfoWorkSpace operations. You can use a browser and the InfoWorkSpace Browser Plug-In to connect the browser to InfoWorkSpace or the PlaceWare Conference Center; however, the operations will be slower, especially on low bandwidth connections.

These components should be installed from the InfoWorkSpace Downloads page or from an InfoWorkSpace Client CD.

CD Installation To install the InfoWorkSpace Client Applications from CD:

1. Open a terminal window
2. Become superuser by typing: # su –
Supply the appropriate password, if prompted.
3. Insert your InfoWorkSpace Version 3.0 Client CD in the CD-ROM drive.

If your system is running Volume Manager, it automatically mounts the CD to the /cdrom/iws_3x_client directory. If a window does not display showing the contents of the CD, then start the volume manager by typing the following commands in a terminal window:

```
# /etc/init.d/volmgt stop  
# /etc/init.d/volmgt start
```

If your system is not running Volume Manager, mount the CD as follows:

```
# mkdir -p /cdrom/iws_3x_client  
# mount -F hsfs -r /dev/dsk/c0t6d0s2 /cdrom/iws_3x_client
```

4. Change the directory to the Solaris Client Packages on the CD by typing the following:

```
# cd /cdrom/iws_3x_client/Solaris_Clients
```

5. Type the following to install the InfoWorkSpace packages:

```
# cp EZENiws_30.bin /tmp  
# cd /tmp  
# chmod 755 EZENiws_30.bin  
# ./EZENiws_30.bin  
# pkgadd -d EZENiws_30
```

The following packages are available:

EZEN1wc - Netscape Communication 4.73 (SPARC) 4.73

Required even if you already have Netscape installed on your system

EZEN2plg - InfoWorkSpace Client 3.0 Java Plug-in (SPARC) 1.4.2_10

Required to run the browser version and InfoWorkSpace Client.

EZENcli - InfoWorkSpace 3.0 Client (SPARC) 3.0

Required to run InfoWorkSpace and LaunchPad clients, or for additional PlaceWare Conference Center functionality.

**CD Installation,
continued**

6. Select the packages you want to install, or press Return to select all.
If you are prompted to create a directory, type “y” and press Return.
If you are prompted to execute an install script with superuser permissions, type “y” and press Return to continue.
7. Answer any additional questions, if prompted.
8. “Enter path to package base directory [?, q]” This question comes up for each package. Decide where you want to install the package and enter it here.
9. Add any additional packages you want by returning to the /cdrom/iws_3x_client/Solaris_Clients directory and typing:

```
#pkgadd -d EZENxxx
```

Replace the “xxx” in the example above with the additional package you want to install.

Installing Optional Components

**Installing
PlaceWare
Tools**

The PlaceWare tools include the PlaceWare Media Client and the PlaceWare Snapshot/AppShare Screen capture utility. These tools are included in the EZENcli package.

- PlaceWare Media Client
PlaceWare Media Client supports all Conference Center and InfoWorkSpace audio functionality.
- PlaceWare Snapshot/Application Share Plug-in
The PlaceWare Snapshot/Application Share Plug-in supports all Conference Center screen capture and screen broadcast functionality. In the PlaceWare Conference Center, Snapshot is used to capture images from a user’s screen and places them on a Conference Center slide. AppShare is used to broadcast the contents of a user’s screen in real-time to all participants of a Conference Center event.

**Installing
Webcam 32**

The Personal Webcam component allows a user to convert a video camera connected to the user's client machine into a web camera. This component is not needed to support dedicated web camera devices such as the Axis Webcam.

InfoWorkSpace currently only supports web camera devices in the InfoWorkSpace room video component. Real-time video can be achieved from an External VTC package (Microsoft NetMeeting, Sun SunForum, or Sorenson Envision.). Installation of this component is optional.

This component should be installed from the InfoWorkSpace Downloads page or from an InfoWorkSpace Client CD.

**CD Install of
Webcam 32**

To install the Personal Webcam from CD:

1. Open a terminal window
2. Become superuser by typing: # su –
3. Supply the appropriate password if prompted.
4. Insert your InfoWorkSpace Version 3.0 Client CD in the CD-ROM drive.

If running Volume Manager, it automatically mounts the CD to the /cdrom/iws_3x_client directory. If a start window does not display CD content, start the volume manager by typing the following commands in a terminal window:

```
# /etc/init.d/volmgt stop
```

```
#/etc/init.d/volmgt start
```

If your system is not running Volume Manager, mount the CD as follows:

```
# mkdir -p /cdrom/iws_3x_client
```

```
# mount -F hsfs -r /dev/dsk/c0t6d0s2 /cdrom/iws_3x_client
```

5. Change the directory to the Solaris Client Packages on the CD by typing:

```
# cd /cdrom/iws_3x_client/Solaris_Clients
```

6. Type the following to start the Webcam installation:

```
# cp IWS_Webcam.bin /tmp
```

```
# ./IWS_Webcam.bin
```

Installation window displays guide you through the installation. Enter the appropriate values for your environment, i.e. install directory, IWS IP address.

The InfoWorkSpace Webcam Install Complete window displays: Click Done.

**Uninstalling
InfoWorkSpace
Solaris
Components**

Once installed, any package can be removed by doing the following:

1. Type in a terminal window:

```
# pkgrm EZENxxx
```

Replace the “xxx” in the example above with the additional package you want to uninstall.

2. Delete all InfoWorkSpace related files from the user’s home directory as well as the InfoWorkSpace icons from Application Manager.

Support Services

Ezenia! is 100-percent committed to ensuring the success of its customers. Our best-in-class service solutions continue to evolve to provide OEMs, corporate customers and third-party service providers with new levels of service in all phases, from planning and development to integration and implementation to training and support. InfoWorkSpace technical support can be reached at: 866-269-0532.

Education Services

Education Courses Offered

Educational Services provides technical training on Ezenia!'s products and supporting technologies.

- InfoWorkSpace - Basic Users Course
Time is money! This course ensures attendees full employment of the InfoWorkSpace Client and/or LaunchPad relative to each environment.
- InfoWorkSpace - Basic Administrators Course
Save time on the learning curve! Learn essential administration requirements to fully utilize InfoWorkSpace.

Training Centers

The Ezenia! InfoWorkSpace Training Center now has two locations:

- Our Colorado Springs, CO location
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Triple-DES and SHA-1 routines

by Eric Young Triple-DES and SHA-1 routines by Eric Young (ey@cryptsoft.com)

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