PilotWorks Hardware and Software Requirements

Minimum Software Requirements

PilotWorks is not offered as an ASP solution. The following requirements are to be provided by the customer.

Presentation Layer (Client)

Microsoft Internet Explorer version 6.x

Browser Internet options set to disable pop-up blockers i.e. pop-ups must be enabled.

Advanced Browser Internet options set up to enable or prompt for the acceptance of ActiveX controls and scripts. Users only need ActiveX to enter data in Entry & Approval via an Excel spreadsheet or to export data from the user interface.

Installed copy of Microsoft Word or Microsoft Excel to use the exporting feature in some Pilot user interface windows and Entry & Approval.

Installed copy of Adobe Acrobat Reader for print and email functionality, as well as Operational Reviews.

For System Administrator and Power User clients: Either Microsoft or Sun JVM installed. (You can check what version is currently installed using http://www.javatester.org/version.html

Application Layer (Application Layer)

Windows OS supported: Microsoft Windows 2000 Professional, 2000 Server, 2000 Advanced Server, XP Professional, Server 2003

Microsoft Internet Explorer version 6.x

Web connectivity to an intranet or the Internet

Sun Java 2 SDK 1.5.0_06 or 1.5.0_07

Microsoft Internet Information Server (IIS)

The OS drive must be running NTFS. To verify, right click the 'My Computer' icon and choose 'Manage' to display the 'Computer management' window. Expand the 'Storage' folder, and then click ' Disk Management'. Your OS drive should show NTFS as its File System. If it is running FAT security, then you will need to reformat that drive so that it is running NTFS.

Data Layer (Data Server)

Windows OS supported: Microsoft Windows 2000 Professional, 2000 Server, 2000 Advanced Server, XP Professional, Server 2003

Other OS supported: Compaq Tru 64, HP-UX, IBM RS6000 AIX, Sun Solaris, Linux RedHat 7.2/9.0 for Intel processors, Suse Linux 9.1

A network card supported by your Microsoft Windows server.

TCP/IP protocol transport installed.

PilotWorks Minimum Hardware Requirements

The PilotWorks solution is a three tier architecture. The size and number of servers depends upon the size of the initial implementation (number of users and quantity of data), and the timeline for which the hardware is scoped for – there is a cost: benefit that needs to be considered when scoping for future requirements). ISSEL will work closely with the customer to identify the specific needs in terms of hardware.

A Development and a Production environment are recommended. The Development environment may have both the web server middle tier and the data layer third tier on the same physical server. The Production environment may split these onto two separate servers in order to maximise end user performance (typically recommended for very large user communities and large data models). A two server environment is not supported if using the Entry & Approval manual data entry component. A Development environment is required prior to the implementation kick-off. A Production environment is required prior to the System Testing phase of the implementation. Once the system is in Production, if additional phases of work are planned, it is recommended to consider a third Test environment, although this is not required. The Test environment should mimic the Production environment as closely as possible.

Shared server environments (shared across other applications) are possible but not recommended. Having a dedicated server for the PilotWorks application allows for ease of maintenance and system upgrades. When the PilotWorks application is installed it does require a reboot, which may conflict if the server is shared. It may also be necessary to stop and restart web services, which may also conflict with other applications. If a shared server environment is a requirement, the customer should evaluate the type of application that will be in the same server to ensure that there will be no conflicts with the requirements of managing and maintaining PilotWorks.

Small Solutions

Development Environment:

Database/Application Server (one server for both tiers)
OS: Windows
CPUs: 1-2 Intel Xeons
CPU Speed: 3.0+ GHz
RAM: 2-4 GB
Example: Dell PowerEdge 6600

Production Environment:*

Database/Application Server (one server for both tiers)
OS: Windows
CPUs: 2 Intel Xeons
CPU Speed: 3.0+ GHz
RAM: 4-6 GB
Example: Dell PowerEdge 6600

Mid-size Solution

Development Environment:

Database/Application Server (one server for both tiers)
OS: Windows
CPUs: 1-2 Intel Xeons
CPU Speed: 3.0+ GHz
RAM: 2-4 GB
Example: Dell PowerEdge 6600

Production Environment: *

Automated Data Integration

Database Server

OS: Windows	or	OS: Unix
CPUs: 1-2 Intel Xeons		CPUs: 4 UltraSparc III
CPU Speed: 3.0+ GHz		CPU Speed: 1.2+ GHz
RAM: 2-4 GB		RAM: 4-8 GB
Example: Dell PowerEdge 6600		Example: Sun Fire v480

Application Server

OS: Windows
CPUs: 2-4 Intel Xeons
CPU Speed: 3.0+ GHz
RAM: 4-6 GB
Example: Dell PowerEdge 6600

Manual Data Entry:

Single Server:

Database/Application Server (one server for both tiers)
OS: Windows
CPUs: 2-4 Intel Xeons
CPU Speed: 3.0+ GHz
RAM: 4-8 GB
Example: Dell PowerEdge 6600

***Production servers expected to include:**

RAID level: 0-5
Number of Disks: 3+
Size per Disk: To be determined.