OPSWARE INC

System Requirements for Opsware™ Process Automation System

Version 2.2

System Requirements

Following are the minimum hardware and software requirements for servers and clients running Opsware Process Automation System (PAS).

PAS Central and database server(s)

The hard-drive space requirements differ depending on whether you install the database and Central on the same machine.

Hardware

Component	Requirement per server
CPU	2 Gigahertz

Memory (RAM)	2 Gigabyte (GB)
Hard-drive space	Database server: As described in your database system requirements PAS Central server: 1.3 GB When the database and Central are installed on the same machine, sum the requirements for the database and the Central servers.

The following software requirements are broken out into those for Windows/SQL Server systems and those for Linux/Oracle systems.

Software for Windows/SQL Server systems

Component	Requirement
Operating system	Microsoft Windows 2003 Server (Standard, Enterprise, or Datacenter edition), 32-bit
Runtime environments	Microsoft .NET Framework 2.0 or 3.0, with ASP.NET enabled **Important:** If you have .NET Framework 3.0 installed, you must also install .NET Framework 2.0, side by side with version 3.0. Java Runtime Environment version 1.5 (listed as 5.0 on the Sun Web site)
Database management system	SQL Server 2000 Service Pack 3a or later OR SQL Server 2005 OR MySql 5.0
Web browser	Microsoft Internet Explorer 6.0 or later OR FireFox 1.5 or later

Software for Linux systems

Component	Requirement
Operating system	Red Hat Enterprise Linux 3.x or 4.x
Runtime environments	Java Runtime Environment version 1.5 (listed as 5.0 on the Sun Web site)
Database management system	Oracle 10g Enterprise (10.2.0.1.0) or later OR MySql 5.0
Web browser	Microsoft Internet Explorer 6.0 or later OR FireFox 1.5 or later

PAS remote action services installed remotely from Central

Remote action services for the Central Web application do not have additional hardware requirements for the Web server. The software requirements for computers on which the remote action services are installed are as follows:

- .NET Remote Action Service (NRAS) can only run on Windows systems and requires Microsoft .NET Framework 2.0 or 3.0, with ASP.NET enabled

  Important: If you have .NET Framework 3.0 installed, you must also install .NET Framework 2.0, side by side with version 3.0.

- Java Remote Action Service (JRAS) can run on either Windows or Linux systems and requires Java Runtime Environment version 1.5 (listed as 5.0 on the Sun Web site)

Central client

Web client machines for Central and machines on which you install Studio must meet the hardware requirements for their Web browser.

Software

Component	Requirement
Operating system	Microsoft Windows XP Professional Edition, Service Pack 2 or higher, 32-bit OR Windows 2003 Standard, Enterprise, or Datacenter edition), 32-bit OR Red Hat Linux 3.x or later, 32-bit
Web browser	Microsoft Internet Explorer 6.0 or later OR FireFox 1.5 or later

PAS Studio installed on its own machine

Hardware

Component	Requirement
CPU	700 Megahertz
Memory (RAM)	512 MB
Hard-drive space	200 MB

Software

Component	Requirement
Operating system	Microsoft Windows XP Professional Edition, Service Pack 2 or higher, 32-bit OR Windows 2003 Server, 32-bit
Web browser	Microsoft Internet Explorer 6.0 or later OR FireFox 1.5 or later
Flash animation player for tutorials	Macromedia Flash Player 8.0