

**JobQue/X™ Installation Guide**  
**HP-UX, AIX, Solaris, Linux, Windows**  
**Version 2.0**



# **JobQue/X Installation Guide (HP-UX, AIX, Solaris, Linux, Windows)**

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## Introduction

The *JobQue/X Installation Guide* is designed to provide installation information for the JobQue/X software tool from Nobix. It refers to HP-UX, AIX, Solaris, Linux and Windows operating systems and pertains to both the server and client software installation guidelines.

JobQue/X is a software utility designed to help automate batch job scheduling and eliminate the need for manual intervention.

JobQue/X can control normal production runs and manage customized job queues and calendars. The program runs jobs automatically on any day and at any time, with dependencies that can be customized to suit the needs of the user.

The JobQue/X product is made up of seven main components. They are the:

- JobQue/X Server software (and its data component)
- Schedule Administration client program
- Scheduler Communications client program
- SCOM client program
- Scheduler Communications web interface
- Submit program
- Reporting client program

The Schedule Administration program is used to create and manage the various job queues and calendars. The Scheduler Communications program is an easy to use, menu-driven interface that provides JobQue/X's on-line management. The SCOM program also provides complete JobQue/X on-line management, but features a command line interface, while the Scheduler Communications web interface offers the same features via a web browser. The Submit program is used to submit a job to JobQue/X so that it can be

integrated into JobQue/X's scheduling operations. The Reporting program is used to create various types of reports that either list the schedules JobQue/X plans to run or the calendar dates in effect.

The JobQue/X Installation CD or website download includes all of these components. The server software is to be installed on an HP-UX, AIX, Solaris, Linux or Windows host. The client programs, with the exception of SCOM, are to be installed on a Windows host. (The SCOM program is installed along with the server software; the remaining client programs are installed together on the Windows computer.)

## System Requirements

The JobQue/X server software is to be installed on an HP-UX, AIX, Solaris, Linux or Windows host, specifically an HP9000 system running HP-UX 11.0 or later; a system running AIX 4.3 or later; a system running Solaris 7.0 or later; an x86 PC running Redhat Linux 7.0 or later; an openSUSE x86 running 10.2 or later; or a x86 PC running Windows 2000, XP or 2003 on the server. A minimum of 20 Mb of hard drive space is required. If output files are to be stored for a significant amount of time, more drive space will be required.

The JobQue/X client software requires Windows 2000, XP or 2003 running on a Pentium-class processor. Microsoft .NET Framework 1.1 or later must also be installed on the computer. (The .NET Framework is available on the JobQue/X Installation CD.)

It is highly recommended that all web access to JobQue/X be provided by a secure server or a virtual private network (VPN), thus ensuring that any transferred data is encrypted. The web server must be configured and running on the same computer as the JobQue/X server software.

## How this document is organized

[Chapter 1, "Installing JobQue/X Server."](#) provides step-by-step instructions for installing the JobQue/X server software on to a system running one of the following: HP-UX, AIX, Solaris, Linux.

[Chapter 2, "Installing JobQue/X Server on a Windows Computer."](#) provides step-by-step instructions for installing the JobQue/X server software on to a computer running Windows.

[Chapter 3, "Installing JobQue/X Client."](#) explains how to install the JobQue/X client programs on a Windows computer.

## Assumptions

This document assumes familiarity with Windows 2000, XP and/or 2003 computers, as well as the HP-UX, AIX, Solaris or Linux operating systems. It is intended for system administrators, managers and any other users involved in the maintenance of JobQue/X.

## Related documents

- *JobQue/X Administrator's Reference Guide (HP-UX, AIX, Solaris, Linux)*
- *JobQue/X Release Notes (HP-UX, AIX, Solaris, Linux, Windows)*
- Nobix website [www.nobix.com](http://www.nobix.com)

**Technical support**

Nobix provides various technical support plans, including 24x7 (with weekends and holidays) support coverage. Contact Nobix at 925.659.3500 for current technical support options.

Nobix strives for efficient and reliable software; however, if you encounter any problems that this manual does not address, or find an error, contact Nobix technical support:

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Suite 255

San Ramon, California 94583

800.538.3818

925.659.3500

925.659.3599 fax

Support@nobix.com

If you fax your question, include your name, phone number, and fax number on the cover sheet. Usually, we call you as soon as we receive your fax.

If you report a limitation or problem, we will either fix it or provide a workaround as soon as possible.

If you cannot find an answer in this manual, contact us!

## *Chapter 1*

### **Installing JobQue/X Server**

The installation procedure differs depending on the type of computer the JobQue/X server software is being installed on. This chapter describes how to install JobQue/X on HP-UX, AIX, Solaris and Linux servers. For installation instructions for Windows computers, go to [Chapter 2, “Installing JobQue/X Server on a Windows Computer.”](#)

To install the JobQue/X server software on a system, access to a terminal and a CD ROM drive is required. JobQue/X requires a system running HP-UX 11.0 or later, Redhat Linux 7.0 or later, AIX 4.3 or later, or Solaris 7.0 or later.

#### **Installation Procedure**

##### **First Time Server Installation**

- 1 Log on as root:

```
%login: root
```

- 2 Insert the JobQue/X Installation CD into the CD ROM and mount the drive to a directory. (The Installation CD assumes the installation directory is called ‘cdrom’.) Some computers mount the drive automatically. The JobQue/X software resides in a directory on the CD in tar format.

```
%mount /dev/dsk/<hardware-location> /cdrom
```

where <hardware-location> is the location of the CD ROM and <cdrom> is the JobQue/X directory.

or

Copy the downloaded setup file from the Nobix website to a temporary directory.  
Uncompress and extract the download:

```
%mkdir /tmp/inst
%cd /tmp/inst
%cp <path_to_jobquesetupfile_download> JobQueX20Setup.tar.Z
%uncompress JobQueX20Setup.tar.Z
%tar xvf JobQueX20Setup.tar
```

**3** Install the JobQue/X software:

```
%/cdrom/Unix/INSTALL
```

Or

```
%/tmp/inst/INSTALL
```

**4** When prompted, confirm you want to proceed with this first time installation.

**5** When prompted, confirm you want to proceed with the installation of the /etc/services/ configuration.

The installation script on the Installation CD determines what type of system is being used and installs the appropriate software.

**6** Follow the instructions indicated.

**7** Once the software installation is complete, you will be prompted for a Software Activation Key. Type the activation key (key is not case-sensitive). Make sure to include all numbers, letters and dashes for the key. (Nobix delivers the Software Activation Key with the JobQue/X software package or via fax/email.)

If you choose to enter the key later, press ENTER when prompted to enter the key. When you are ready to enter the key, sign on as root, confirm you are in the /opt/jobque directory, and enter:

```
./etc/addkey.sh
```

**8** When prompted, confirm the key is correct.

The installation is complete.

**9** Once the installation is finished, un-mount the JobQue/X Installation CD if it was mounted in a previous step..

```
umount /cdrom
```

where <cdrom> is the JobQue/X directory.

## Chapter 2

### Installing JobQue/X Server on a Windows Computer

The installation procedure differs depending on the type of computer the JobQue/X server software is being installed on. This chapter describes how to install JobQue/X on a Windows computer. For installation instructions for HP-UX, AIX, Solaris or Linux computers, go to [Chapter 1, “Installing JobQue/X Server.”](#)

To install the JobQue/X server software on a system, access to a computer and a CD ROM drive are required, as well as the ability to log on as a domain administrator to a Windows 2000, XP or 2003 computer.

#### Installation Procedure

##### First Time Server Installation

- 1 Log on to the Windows 2000/XP/2003 computer as a local or domain administrator.
- 2 Insert the JobQue/X CD into your CD ROM drive.

The *JobQue/X 1.10 Setup* program appears. (If the setup program did not start automatically, run setup.exe from the CD.)

Or

Locate and run the downloaded JobQue/X setup file downloaded from the Nobix website.

The JobQue/X Setup Wizard appears. It will guide you through the required installation steps.

- 3 Read the Setup Wizard instructions and click Next to continue.

- 4 Read the License Agreement. Select the “I Agree” option if you agree and click Next. If you do not agree to the terms of the agreement, select the “I Do Not Agree” option and click Cancel.
- 5 Select the folder where the installer will install JobQue/X by using the default folder or browsing to a different one. You can click Disk Cost... to view the available drives along with each drive’s available and required disk space. Near the bottom of the screen, you may choose to install JobQue/X just for your use or for anyone who uses this computer. Nobix recommends choosing the “Everyone” option. Click Next to continue.
- 6 Click Next to confirm and start the installation.  
The JobQue/X server files begin loading.
- 7 As the files are loading you will be prompted for a Software Activation Key. Type the activation key (key is not case-sensitive). Make sure to include all numbers and letters for the key. (Nobix delivers the Software Activation Key with the JobQue/X software package or via fax/email). Click Next to continue.  
  
If you choose to enter the key later, click Cancel when prompted to enter the key. When you are ready to enter the key, follow the instructions in the [“Adding a Software Activation Key”](#) section of this chapter.
- 8 Once all the files are loaded you will be asked if you want to start the JobQue/X server software. Click **Yes** if you want to start the JobQue/X server immediately or click **No** if you prefer to start the server later. Consult the [“For Windows Machines”](#) section of Chapter 8 in the *JobQue/X Administrator’s Reference Guide* for instructions on starting the server.
- 9 The installation is complete. Click Close to exit the Setup Wizard.

### JobQue/X Runs as a Service

JobQue/X is installed as a service and appears as *JobQue Scheduling* in Windows’ Services window. As a service, JobQue/X’s background processes will start operating when the computer is started and continue to run whenever the computer is running, regardless if a user is logged on to the computer or not. (JobQue Scheduling’s ‘Startup Type’ must be set to **Automatic** in the Services window in order to make this occur.)

When installed as a service, the Scheduler Communications program can be used to start, pause and resume JobQue/X’s scheduler operations (for example, jobs can be started, schedules can be suspended, etc.). However, actually stopping JobQue/X from running must be done through the Services window.

### Adding a Software Activation Key

Once JobQue/X is installed, there are two ways to add a valid Software Activation Key.

#### *Option One:*

- 1 Go to Start-Programs-JobQue Server-Tools-New Activation Key.
- 2 Type the Activation Key as it appears in the key card that you received. Click Next to continue.

- 3 Once the key is validated, click Done.



Note: You'll need to stop and re-start JobQue/X to activate the key.

#### ***Option Two***

- 1 Go to Start-Programs-JobQue Server-Start JobQue Server.
- 2 Select Help-About JobQue/X Server.
- 3 Click the New Activation button.
- 4 Type the Activation Key as it appears in the key card that you received. Click Next to continue.
- 5 Once the key is validated, click Done.



Note: You'll need to stop and re-start JobQue/X to activate the key.

#### **Uninstalling JobQue/X Server**

To uninstall the JobQue/X server use the Add/Remove Programs tool on the Control Panel.

- 1 Open the Add/Remove Programs window by going to Start-Settings-Control Panel-Add/Remove Programs.
- 2 Select *JobQue/X Server* and follow the instructions to remove JobQue/X from the computer.

### Chapter 3

## Installing JobQue/X Client from a CD

### Installation Procedure

#### First Time Client Installation

- 1 Log on to the Windows 2000/XP/2003 computer as a domain administrator.
- 2 Insert the JobQue/X CD into your CD ROM drive.

The *JobQue/X 2.0 Setup* program appears. (If the setup program did not start automatically, run *setup.exe* from the CD.)

Or

Locate and run the downloaded JobQue/X setup program that you downloaded from the Nobix website.

The *JobQue/X 2.0 Setup* program appears.

- 3 Read the Setup Wizard instructions and click Next.
- 4 Read the License Agreement. Select the “I Agree” option if you agree and click Next. If you do not agree to the terms of the agreement, select the “I Do Not Agree” option and click Cancel.
- 5 Select the folder where the installer will install JobQue/X by using the default folder or browsing to a different one. You can click Disk Cost... to view the available drives along with each drive’s available and required disk space. Near the bottom of the screen, you may choose to install JobQue/X just for your use or for anyone who uses this computer. Nobix recommends choosing the “Everyone” option. Click Next to

continue.

- 6 Click Next to confirm and start the installation.

The JobQue/X client files begin loading.

- 7 Once the installation is complete, click Close to exit the Setup Wizard.

### **Uninstalling JobQue/X Client Programs**

To uninstall the JobQue/X client programs use the Add/Remove Programs tool on the Control Panel.

- 1 Open the Add/Remove Programs window by going to Start-Settings-Control Panel-Add/Remove Programs.
- 2 Select *JobQue/X Windows Interface* and follow the instructions to remove JobQue/X from the computer.