



JTurboTM 2005

for Microsoft SQL Server 2000 & 2005

Installation Guide

NEW ATLANTA COMMUNICATIONS, LLC

JTurbo™ 2005 Installation Guide

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1. Installing JTurbo 2005

Introduction, System Requirements, and Installation Instructions

New Atlanta JTurbo 2005 is a Type 4 (“pure Java”) driver that implements the JDBC™ specification for database access as defined by Sun Microsystems, Inc. *JTurbo is certified by Sun for use with Java 2 Platform, Enterprise Edition (J2EE™) branded products.* Additional information about JDBC, including the J2EE certification program, can be found on Sun’s web site:

<http://java.sun.com/products/jdbc/>

JTurbo 2005 delivers high-performance access to Microsoft® SQL Server 2000 and 2005 from any Java-enabled applet, application, or application server. Because Type 4 JDBC drivers are written completely in Java they can run on any operating system that supports the standard Java platform (JDK 1.1 or higher). JTurbo can be used with most application servers, including New Atlanta ServletExec, Macromedia JRun, BEA WebLogic, IBM WebSphere, Apache Tomcat, and others.

1.1 JTurbo 2005 Product Versions

JTurbo 2005 comes in three versions; the versions vary based on JDBC specification level supported and JDK version requirements. Each version of JTurbo 2005 is packaged as a separate installer, so be sure to download the appropriate installer. Also, note that there are separate installers for Windows and UNIX platforms.

- **JTurbo 2005 for JDBC 3.0** - this version of JTurbo 2005 implements the JDBC 3.0 specification; it requires JDK 1.4 or higher.
- **JTurbo 2005 for JDBC 2.1** - this version of JTurbo 2005 implements the JDBC 2.1 Core API and the JDBC 2.0 Optional Package (previously referred to as the JDBC 2.0 Standard Extension); it requires JDK 1.2 or higher.
- **JTurbo 2005 for JDBC 1.2** - this version of JTurbo 2005 implements the JDBC 1.2 specification; it is supported on JDK 1.1 or higher, including the Microsoft VM.

After installing JTurbo 2005, you can verify which version was installed by referring to the `Version.txt` file that can be found within the `JTurbo.jar` archive.

1.2 System Requirements

All versions of JTurbo 2005 support Microsoft SQL Server 2000 and 2005 running on Windows NT 4.0, Windows 2000, Windows XP, and Windows 2003. `JTurbo.jar` can be used on any operating system that supports a compliant Java VM; JDK version requirements are listed in the section immediately above.

1.2.1 Installer Requirements

The JTurbo 2005 installers are Java-based; therefore a JDK 1.3 or greater Java VM must be installed on the target system before running the installers. The JTurbo 2005 installers also require 64MB of free RAM, a minimum of 8-bit color depth (256 colors) and a minimum 640 x 480 screen resolution.

1.3 Running the Installer

There are separate JTurbo 2005 installers for Windows and UNIX, however, the installed `JTurbo.jar` file is the same for each installer and can be used on any operating system that supports a compliant Java VM.

1.3.1 Windows

Double-click the JTurbo installer icon to launch Setup. Please review the JTurbo License Agreement carefully and check the READ ME displayed by the setup program for any last minute notices before continuing. If the installer fails to launch then debug information can be obtained by performing the following steps:

- Double-click the JTurbo installer icon to launch Setup
- Immediately Hold the <Ctrl> key down until a console window appears

Additional installer debug information can be found in the installer log file, which is named `JTurbo_2005_for_JDBC_x.x_InstallLog.log` (where “x.x” is “3.0”, “2.1” or “1.2”) and can be found in the JTurbo installation directory.

1.3.2 UNIX

The JTurbo 2005 installers for UNIX can be run in either GUI mode or console mode. To launch the installers in GUI mode, enter the following command (where “xx” is “30”, “21”, or “12” depending on which version of JTurbo 2005 you’re installing):

```
sh ./JTurbo_2005_JDBCxx.bin
```

To launch the installers in console mode, enter the following command (where “xx” is “30”, “21”, or “12” depending on which version of JTurbo 2005 you’re installing):

```
sh ./JTurbo_2005_JDBCxx.bin -i console
```

Please review the JTurbo License Agreement carefully and check the READ ME displayed by the setup program for any last minute notices before continuing. If the installer fails to launch then debug information can be obtained by performing the following steps:

- Set the environment variable `LAX_DEBUG` to `true` to have the debug information sent to the console, or set it to a filename to have it logged to a file. Based on which shell you are using this is done by entering one of the following:
 - `export LAX_DEBUG=<value>`
 - `setenv LAX_DEBUG=<value>`
 - `LAX_DEBUG=<value>; set LAX_DEBUG`
- Launch the JTurbo installer.

Additional installer debug information can be found in the installer log file, which is named `JTurbo_2005_for_JDBC_x.x_InstallLog.log` (where “x.x” is “3.0”, “2.1”, or “1.2”) and can be found in the JTurbo installation directory.

1.3.3 Entering a License Key

The JTurbo 2005 installer will prompt you for a license key. If you’ve purchased a JTurbo 2005 license key, enter it when prompted. If you have not purchased a JTurbo 2005 license key and would like to evaluate JTurbo 2005 for a 30-day trial period, enter the word “trial” when prompted for a license key. During the 30-day trial, JTurbo is limited to processing 5 simultaneous database connections.

1.3.3.1 Upgrading from Trial to Full License

After purchasing a JTurbo 2005 license key, you must delete all copies of `JTurbo.jar` installed in trial mode and uninstall JTurbo 2005 (see Section 1.4). Then re-run the installer and enter your license key to create a fully-licensed version of `JTurbo.jar`.

1.3.4 What Was Installed

The JTurbo 2005 installer prompts you for an installation directory. The default installation directory for Windows is:

```
C:\Program Files\New Atlanta\JTurbo
```

The default installation directory for UNIX is:

```
/usr/local/New_Atlanta/JTurbo
```

Table 1, on the next page below, describes the contents of the JTurbo installation directory.

Item	Description
JTurbo_2005_for_JDBC_x.x_InstallLog.log	The installer log file. Contains useful information for debugging installation problems.
JTurbo_2005_User_Guide.pdf	<p>The JTurbo 2005 User Guide. In order to view the JTurbo 2005 User Guide you'll need the free Adobe Acrobat Reader, which can be downloaded from:</p> <p>http://www.adobe.com/products/acrobat/readstep.html</p> <p>Refer to the JTurbo 2005 User Guide for further information on using JTurbo 2005.</p>
JTurboLicense.txt	The JTurbo Software License Agreement (SLA). Please familiarize yourself with the terms of this agreement.
ReadMe.txt	Contains any last minute information that didn't make it into this Installation Guide or the JTurbo 2005 User Guide. Please review this before using JTurbo 2005.
ReleaseNotes.txt	Lists all changes, including new features and bug fixes, in this release of JTurbo.
Examples	A directory that contains source code examples of using JTurbo 2005.
lib	A directory that contains JTurbo.jar and other Java archives (.jar files) used by JTurbo. Refer to the JTurbo 2005 User Guide for additional information.
Uninstall	A directory that contains the JTurbo 2005 uninstaller files.

Table 1. JTurbo 2005 Installation Directory Contents

1.4 Uninstalling JTurbo 2005

The JTurbo 2005 uninstallers are Java-based; therefore a JDK 1.3 or greater Java VM must be installed on the target system before running the uninstallers. The JTurbo 2005 uninstallers also require 64MB of free RAM, a minimum of 8-bit color depth (256 colors) and a minimum 640 x 480 screen resolution.

1.4.1 Windows

The JTurbo uninstaller can be invoked from the Add/Remove Programs Control Panel or by double-clicking the JTurbo uninstaller icon which is located in the `Uninstall` sub-directory of the JTurbo installation directory. If the uninstaller fails to launch then debug information can be obtained by performing the following steps:

- Double-click the JTurbo uninstaller icon
- Immediately Hold the `<Ctrl>` key down until a console window appears

1.4.2 UNIX

At a command prompt enter the following from the `Uninstall` sub-directory of the JTurbo installation directory to launch the uninstaller (where `x.x` is “3.0”, “2.1”, or “1.2” depending on which version of JTurbo 2005 you installed):

```
sh ./Uninstall_JTurbo_2005_for_JDBC_x.x
```

The uninstaller will be launched in console or GUI mode based on the mode used when the installer was run. If the uninstaller fails to launch then debug information can be obtained by performing the following steps:

- Set the environment variable `LAX_DEBUG` to true to have the debug information sent to the console or set it to a filename to have it logged to a file. Based on which shell you are using this is done by entering one of the following:
 - `export LAX_DEBUG=<value>`
 - `setenv LAX_DEBUG=<value>`
 - `LAX_DEBUG=<value>; set LAX_DEBUG`
- Run the JTurbo uninstaller.

1.5 Technical Support

If you're having difficulty installing or using JTurbo, check the online Technical Support FAQ:

http://www.newatlanta.com/c/products/jturbo/self_help/faq/home

You may also want to consider subscribing to the JTurbo-Interest mailing list, a user-supported discussion forum for JTurbo developers:

http://www.newatlanta.com/products/jturbo/self_help/archive_search/index.jsp

Details regarding free and paid support options, including online, telephone, and pager based support are available from the New Atlanta web site:

<http://www.newatlanta.com/c/support/jturbo/home>