



Making Your Windows NT/2000 or NetWare Applications Work With Pervasive.SQL™ for Linux

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AUDIENCE

This document provides a high-level overview of Pervasive.SQL on the Linux platform. It is designed for current vendors or resellers of Pervasive.SQL applications who are interested in knowing more about this latest addition to the Pervasive.SQL product family.

If you want to port your application from other DBMS solutions-such as C-ISAM or other legacy databases to Pervasive.SQL, you should consider using the Pervasive.SQL Linux engine for your porting and deployment needs.

WHAT CHANGES TO MY APPLICATION ARE REQUIRED TO MAKE IT WORK WITH THE LINUX ENGINE?

No changes are required. All Pervasive.SQL applications on the Windows NT/2000 and NetWare platforms will work with Pervasive.SQL on Linux without any modification. The only caveat is that you must not perform any server-side operations that are not supported under Linux.

WHY DO I NEED MY APPLICATION TO WORK WITH PERVASIVE.SQL ON LINUX?

Here are few reasons why you would want to make sure that your applications runs smoothly with the Linux engine:

- It is an easy way to extend the platform offerings for your application-without any effort on your part.
- Linux is the fastest growing segment of the OS market. Microsoft and NetWare have remained relatively stagnant in terms of unique offerings, while Linux has been experiencing a growth of developers and mind-share that has been unexpected and unparalleled over the last few years.
- As a server platform, Linux is an excellent database platform choice. The reason that so many companies are supporting Linux has nothing to do with their benevolence. It is merely recognition that the platform is inherently stable and ultimately extensible. It is a near perfect win-win for customers – security, stability and the ability to modify the source to suit individual environment needs.
- Linux is fast becoming a platform of choice for mission-critical application deployment. If you or your customers need increased security and reliability, you might consider deploying your application on NT or NetWare while putting Pervasive.SQL on Linux. This solution will enable you to benefit from OS stability and robustness – all without compromising performance, and in many cases, improving performance.
- If your application relies on Pervasive.SQL on Windows NT/2000 and/or NetWare but uses another DBMS for Linux, here is your chance to free yourself of the hassles associated with maintaining two code bases. Pervasive is committed to providing true cross-platform solutions. We enable you to leverage your existing Pervasive.SQL or Btrieve expertise to make the transition as smooth as possible.

HOW DO I DEPLOY MY NT/NETWARE APPLICATION WITH THE LINUX ENGINE?

The typical scenario for deploying your NT/NetWare application with the Pervasive.SQL Linux based engine is depicted below:



Simply put, you need merely to install your application on Windows NT/2000 and/or NetWare; install Pervasive.SQL on Linux; and configure clients to use the Linux engine.

Some things to keep in mind:

- The Linux engine employs a more powerful security mechanism. The Unix Authenticate setting in BTI.INI establishes the security mechanism as either btpasswd (btrieve password) or PAM. Pluggable Authentication Modules are powerful security modules that can be customized under Linux to suit your security needs. Btrieve password is set using the btadmin utility in a secure btrieve password database.
- The Linux engine supports TCP/IP only, so you need to make sure that all client workstation are properly configured for TCP/IP networking.
- If you are planning to access the Pervasive.SQL Btrieve interface across a network from a Windows-based client, Samba must be installed on the Linux server. This is not required if you are relying on ODBC interface. Samba provides communication between the server and the workstations, and can allow for file and print services between the platforms as well.
- Pervasive.SQL on Linux uses standard RPM-based installation mechanisms. This is an accepted method between many of the distributions in existence. Pervasive.SQL does not use Slackware or Debian packages. Although it is possible to transform RPM packages through Alien, this method is not a supported configuration.
- Optimal performance on Linux and on Windows NT/2000 and NetWare is reached under different engine settings. For more details, see our [Pervasive.SQL Getting Started \(Server Edition\)](#) documentation.

When you keep these points in mind, you can safely deploy your NT/NetWare application with the Pervasive.SQL 2000 Linux database engine. You can expect the same high performance and reliability you have always enjoyed with Pervasive.SQL, in addition to the increased security, scalability and stability associated with the Linux platform.

For more information about Pervasive.SQL, pricing or support, please contact one of our sales offices or visit our web site at <http://www.pervasive.com> .

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