

Actian Zen Embedded Database

Zero-DBA, embeddable, nano footprint database

Key Benefits

- Zero-DBA
- Customizable Installation
- SQL and NoSQL
- Simple Upgrades
- Backward Compatibility
- Data Portability Across Platforms and Versions

Supported Platforms

- Windows 10
- Windows Server 2016
- Windows Nano Server
- Windows Server 2012 R2
- Windows 7 and 8
- Windows Server 2008 R2
- Linux for Intel and ARM
- Mac OS 9 and 10

The Actian Zen Embedded database delivers a zero-DBA, SQL and NoSQL, embeddable, nano footprint database ideally suited to meet the needs of ISVs and OEMs delivering business critical applications to customers with low or no IT environments. Features like customizable installation, self-tuning, easy upgrades, seamless backward and cross-platform compatibility and exceptional reliability mean that developers can deliver applications to customers at scale across a wide range of platforms without getting buried by support costs.

SQL and NoSQL

Actian Zen includes NoSQL access for performance and SQL access for reporting, providing the perfect combination of speed and flexibility. Developers can choose between several access methods providing direct access to data without going through a relational layer. This enables very fast access and very quick insert, update and delete performance. Actian Zen also provides direct access via ODBC and JDBC, and support for ADO.NET and Embarcadero developers means that ISVs have a wide range of choices for SQL access.

New Btrieve C and C++ API

The v13 release of Actian Zen Embedded database includes a new streamlined, more intuitive API to provide C++ database application developers simplified access to Btrieve calls. Now Actian Zen v13 developers can access the performance and flexibility of the Btrieve engine without having to learn the complexity of the original Btrieve API. The Btrieve 2 API SDK also includes SWIG (Simplified Wrapper and Interface Generator) files enabling Perl, PHP and Python developers to access Btrieve via the new C or C++ libraries.

Customizable Installation

Many ISVs building applications for small business users want to hide the installation and complexity of the database from their users. Actian Zen can be installed silently in the ISV application, and the developer can pick only the needed components to eliminate unused features or keep footprint to a minimum.

Client Reporting Engine

New in Actian Zen v13, the 64-bit Client Reporting Engine enables customers to run SQL queries against client cache and offload large reporting workloads to a separate machine, reducing the impact on the main server engine. Once set up, the Client Reporting Engine presents to SQL clients the same databases as the main server, so all SQL queries can be run there, freeing the server for other tasks. The Client Reporting engine is available as a separate installation on Actian Zen v13 Server and Vx Server 13.

Database Security with Windows Active Directory

In response to customer needs, Actian Zen v13 supports Active Directory (AD) domain authentication to validate access to a secure Zen database. Database logins and rights group membership are validated at the network level, while in the database you continue to control specific permissions.

Zero Database Administration

Set it and forget it. Most small businesses don't have or want a DBA. Actian Zen Embedded database is built for environments where users don't have the resources to manage a database. We don't require consultants and don't need constant DBA supervision. Actian Zen just runs, and runs, and runs.

New Tech with No Changes to Your Application

Actian Zen v13 enables ISVs to take advantage of new hardware architecture, OS platforms, and computing environments (64-bit, multi-core, VM, Cloud) without application changes. If your customer base is in the tens of thousands, enabling moves to new platforms with no new application code is a game changing advantage.

Backward Compatibility

Any application built for earlier PSQL or the new Actian Zen versions will work with Actian Zen v13. No need to rewrite or compile code, migrate data, or even uninstall existing software. Moving to v13 is seamless. And this same data compatibility allows you to move files and work with them on any supported platform.

Data Portability

Btrieve files are 100% portable across all of the platforms where Actian Zen runs, requiring no ETL work or other overhead. Just copy the files and go.

A Choice for Every Use Case

Actian Zen Embedded database comes in three editions to allow ISVs to deliver the right database for every customer's requirement.

Workgroup

1-5 Users

Low cost for small offices and embedded use cases such as medical devices.

Server

6-500 Users

Client-server configuration useful for mid sized office to enterprise.

Vx Server

Unlimited Users (Capacity License)

For SaaS, Cloud or applications where licensing by number of users or cores is a challenge.



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