



InterBase 2009

Security, Performance, Reliability

InterBase 2009 is a high-performance, easy-to-install, full-featured database that has been proven in thousands of business-critical applications.

InterBase 2009 offers powerful benefits over InterBase 7.1/5:

- High performance technology essential to run mission critical applications
- Maximum data security with multiple forms of encryption to protect sensitive data
- Lower database costs which allows you to take advantage of the fastest computer hardware you have without additional licensing
- You can now use any of the latest versions of Windows®, Linux, Solaris™, or Mac OS®X

The focus of changes after InterBase 7.5 and included in InterBase 2009 have been around Security, Performance and Reliability.

Security

InterBase 2009 has a very strong focus on Security. Consider these scenarios:

- Your wireless network is broken into - something very easy to a knowledgeable person. They can get any and all patient data with any version of InterBase before 2009. With InterBase 2009 the data can be encrypted to prevent snooping.
- If someone gains access to your server, they can copy your database and have all your data. With InterBase 2009 setup to encrypt the database, they can't.
- Someone has access to your backups? Without InterBase 2009, they can restore them and have full access to your data.

If you care about the security of your data, you need InterBase 2009 - a database that supports strong security.

Reliability

InterBase 2007 introduced the concept of keeping track of everything you do in your database through a technology called journaling. InterBase 7.1/7.5 will lose all data since the last backup if the server disc was corrupted - but with journaling, the database can be set up so all changes are recorded - thus allowing you to recover the most recent set of

updates of records. Journaling also ensures that the all of the data is accurate and correct - you won't get partial data changes making your precious data inconsistent and confusing.

Furthermore, with InterBase 2009, Disaster Recovery licenses are part of the package allowing you to have virtually no down-time if your main database dies.

Performance

InterBase 2009 and is designed for modern computer systems that have multiple processors - and is licensed in such a way as to allow installations to gain full use of all computing power available.

The effect of the changes to InterBase reliability are twofold:

- InterBase 7.1/7.5 is set up to always write all data to the disc - as a precaution against power loss. This dramatically slows the database down - typically by five to ten times slower than it could be. With the reliability enhancements in InterBase 2009, users typically see 5 - 10 times performance improvements.
- Database backups can now operate at close to the speed of copying the files (orders of magnitude more quickly)