

Should I use JISAM or isCOBOL ISAM Server (c-treeACE)?

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Saved From: <http://support.veryant.com/support/phpkb/question.php?ID=7>

Question:

What are the basic differences between JISAM and isCOBOL ISAM Server? What are the guidelines for choosing between them?

Answer:

Here are the benefits of each:

Veryant JISAM

isCOBOL Evolve supplies a high capacity, client/server, indexed ISAM file system called Veryant JISAM.

JISAM is written entirely in Java so it runs anywhere, even on a mobile phone.

Utility provided for basic file management

Utility provided for one-step migration of data files from Vision.

ODBC Driver for Windows

Maximum file size: 9+ exabytes (EB) (over 9 million terabytes)

Maximum number of keys: no limit

Maximum number of records: no limit

Maximum key length: 256 bytes

Maximum number of segments per key: 16

Maximum record length: 2 GB

Currently JISAM has the following limitations: transactions are not supported

native encryption and compression are not supported

variable length records are not supported, the maximum record size is always used

isCOBOL ISAM Server

isCOBOL ISAM Server is available when transaction management statements such as START TRANSACTION, COMMIT TRANSACTION and ROLLBACK are used in the COBOL application.

Written in C/C++, available on Windows, aix4, aix5-32, aix5-64, hpux, linux, macosx, sco, soli386, solsparc-32

Includes Client/Server

Full Transaction Support

ODBC Driver for Windows

Supports Live Backup

Memory file support

Includes several feature-rich management utilities

Utility provided for one-step migration of data files from Vision.

Maximum file size: 16,000,000 terabytes (16 Exabytes)

Maximum number of keys: no limit

Maximum number of records: no limit

Maximum key length: no limit

Maximum number of segments per key: 16

Maximum fixed record length: 65,535 bytes

Maximum variable record length: 2 GB

The basic guideline is to use isCOBOL ISAM Server only if you require transaction management. Otherwise, use JISAM. Use JISAM especially if you require a pure Java solution.