

How to determine the OpenEdge Version based on Error 44

How to determine the Progress OpenEdge Version based on Error 44

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Title

How to determine the OpenEdge Version based on Error 44

URL Name

P58368

Article Number

000169314

Environment

Product: OpenEdge
Version: All supported versions
OS: All supported platforms

Question/Problem Description

How to determine the Progress OpenEdge version based on Error 44
Error 44 does not provide the Progress OpenEdge version
What is the *wrong Database version* ?
How to fix the the wrong version number reported in error 44 ?
What to do when ABL client's fail to connect with error 44
Why can I not run PROUTIL DBANALYS DBTOOL after upgrading the database?

Steps to Reproduce

Clarifying Information

Error Message

** Database has the wrong version number. (db: <value>, pro: <value>). (44)

Defect Number

Enhancement Number

Cause

Resolution

When the Database is not of the same *Major version* as the utility or the same *Major & Minor version* of the client executable connecting single-user or shared-memory it will fail with error 44.

The **db** and **pro** numeric values returned in error 44 will help to identify the *Major version* of the database, but not the exact database version (say) OpenEdge 12.2, 11.6.4, 10.2B08, 10.0B or Progress 9.1D09.

Example: *** Database has the wrong version number. (db: 4269, pro: 4246). (44)*

The **db** and **pro** numeric values returned by Error 44 are the sum of:

- The internal **Database version** + **database block size**.

Database blocksize = 4 K or 4096

db: 4269 = 4096 + 173
Database version = 173 = OpenEdge 11

pro: 4246 = 4096 + 150
Client version = 150 = OpenEdge 10

The **db** and **pro** numeric values for different versions of Progress OpenEdge with available database blocksizes are listed below. It is the database

MasterBlock that contains version information:

Internal DB Version	Major DB Version	Database Blocksize (KB)			
		1024	2048	4096	8192
78	7	1102	2126	4174	8270
83	8	1107	2131	4179	8275
91	9	1115	2139	4187	8283
150	10	1174	2198	4246	8342
173	11	1197	2221	4269	8365
184	12	1208	2232	4280	8376

When error 44 returns a 0 or other bogus value indicates a problem with the database itself.

If the pro and db values are very large positive or negative values, it most likely indicates that the database is from a different *endian architecture* than the client and the connection will never work.

Example: ** Database has the wrong version number. (db:: -21216, pro: -21331). (44)

If a database is running on AIX (a *big endian* architecture) but the client executable is using a *little endian* executable the formula for determining versions will not work as it would read the data in the block and incorrectly calculate the version. This would not be a supported configuration.

[Which OpenEdge Certified Operating Systems have the same endianess ? \(/s/article/What-is-endianess\)](/s/article/What-is-endianess)

Workaround

Notes


Progress Articles:

- [What causes Error 44 when accessing an OpenEdge database? \(/s/article/P20910\)](/s/article/P20910). [000019806]
- [Is there a utility to display the database version? \(/s/article/P22074\)](/s/article/P22074).
- [What is the significance of the "Version" field from PROUTIL -C describe \(/s/article/P182259\)](/s/article/P182259).
- [What is the Shared Memory version number for each Progress OpenEdge version? \(/s/article/P39456\)](/s/article/P39456). [000020554]

Keyword Phrase

Last Modified Date






20/11/2020 06:51

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Related Articles

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