

FCBCRYPTO software provides inexpensive row level data encryption for Oracle database Enterprise and Standard Edition 11g, 12c, 18c, 19c, 21c versions, where Oracle Advanced Security option¹ is not available or too expensive².

Key features:

- Row level encryption
- SQL and PL/SQL data types supported
- AES 128|192|256³ encryption technique for string⁴, lob⁵, bfile (including check sum)⁶ and raw⁷ data types
- OTP⁸ encryption technique for number⁹, date and timestamp data types
- Data compression for string, lob and raw data types
- USB Security Token¹⁰ supported
- Written in PL/SQL language¹¹
- Tamper-proof featured
- Single and multi-byte char sets supported
- All editions of Oracle 11g, 12c, 18c, 19c and 21c database supported
- UNIX like operating systems (Linux, AIX, Solaris)¹² and Windows supported
- External database key storage. No any keys stored within constant database objects
- Database key operations performed in-memory only
- Centralized in-memory database key management
- Lightweight, fast and reliable
- Easy textual installation wizard¹³
- No named user license nor license per processor required. Only license per database instance

Olexandr Siroklyn

olexandr.siroklyn@outlook.com

Clearwater, FL, USA | +1-727-252-9680



1 [Oracle Advanced Security](#)

2 [Oracle Technology Global Price List December 8, 2017](#)

3 [Advanced Security Standard](#)

4 char, nchar, varchar2, nvarchar2, string

5 blob, clob, nclob

6 via external [OpenSSL library](#) for UNIX like operating systems only

7 raw, long, long raw

8 [One-time pad](#)

9 number, float

10 [A Wikipedia article](#) Linux operating systems only

11 main code excluding external modules written in C or JAVA programming languages

12 It wasn't tested on HP HP-UX, but most probably software will work

13 for UNIX like operating systems only