

Release Notes

About these Release Notes

This document contains important information about Pro*COBOL release 18c, version 18.1.

It contains the following topics:

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New Features in Pro*COBOL Release 18c, Version 18.1

The following feature is new in this release:

- [Support for Oracle Connection Manager in Traffic Director Mode](#)

Oracle Connection Manager in Traffic Director Mode is a proxy that is placed between supported database clients and database instances for improved high availability, connection multiplexing, and load balancing.

New Features in Previous Releases

This section lists new features introduced to Pro*COBOL in previous releases.

Features in Pro*COBOL 12.2 Production

- Support for long identifiers (object lengths of 128 bytes). In previous releases, the object length limit was 30 bytes.
- Support for Oracle Instant Client - Basic Light version.
- New command line option, `trim_password`, to prevent authentication issues caused by password strings that contain trailing blank space.
- Support for Micro Focus Visual COBOL 2.2 Update 2 compiler for the following platforms:
 - Linux x64
 - Windows 64-bit and 32-bit
 - Solaris x86 (32-bit and 64-bit)
 - Solaris SPARC (32-bit and 64-bit)

Features in Pro*COBOL 12.1 Production

- Support for Auto Increment Columns
- Support for 32k Columns
- Support for Prefetch By Memory
- Support for SQL Plan Management (SPM)

Bugs Fixed

The following section lists bugs fixed in Pro*COBOL. Numbers in parentheses following the description refer to bug numbers in the Oracle Bug Database.

Bugs Fixed in Pro*COBOL Release 12.2 Production

- Pro*COBOL no longer throws CSF-S-00000 error when `common_parser=yes` in the `timezone.pc` file (9531787)
- Pro*COBOL no longer throws ORA-01008 error when binds are used in the Select list while `common_parser=yes` (14127422)
- Pro*COBOL no longer throws ORA-932 error when precompiling with option `USERID` and `common_parser=yes` for an INSERT statement which has CASE clause and `TIMESTAMP` function (14335958, 19473788)

- Pro*COBOL no longer throws PCB-S-00576, PLS-103 error while precompiling with embedded PL/SQL using the select /*+ index hint */ statement (953338)
- Pro*COBOL no longer fails to set SQLSTATE during rollback, with MODE=ANSI and without declaring SQLCODE (5891984)
- Pro*COBOL no longer fails to generate a proper log file (17280039)
- Pro*COBOL no longer throws PCB-S-00400 error while precompiling a program with a Level 88 initialised variable (20194289)
- Pro*COBOL no longer gets SIGSEGV for duplicate host variables when precompiling with common_parser=yes (19473788)
- Pro*COBOL no longer throws PCB-S-00576 error while precompiling a program with common_parser=yes (18800170)
- Pro*COBOL now checks for a fatal error during precompilation before deleting log and sql files (17871321)
- Pro*COBOL no longer throws ORA-538976288 error when using a "SELECT INTO" statement for PIC N variable (17189633)
- Pro*COBOL no longer creates a .sql file containing "plan_run=yes" when precompilation fails (16240153)
- Pro*COBOL no longer creates over 72 columns when a variable is modified by varying with comp5=yes (14708769)
- SQLGLS calls in Pro*COBOL now work as expected (14640230)
- Pro*COBOL no longer returns PCB-S-00400 error during precompilation when a variable identifier follows a COPY statement (14113014)
- Pro*COBOL no longer returns PCB-S-00400 error when a COPY modifier is used (13478294)
- Pro*COBOL no longer generates a UNIX Return Code of 0 when precompilation fails (10083052)
- Pro*COBOL no longer generates .cob files after errors are encountered (9303962)

Bugs Fixed in Pro*COBOL Release 12.1

- Pro*COBOL no longer crashes while parsing long token/ SQL statement (13006848)
- Pro*COBOL no longer returns PCB-S-400 when precompiling SQL that includes an inline view written as embedded SQL (EXEC SQL), in spite of using common_parser=yes (12641413)
- Pro*COBOL no longer throws PCB-0400 error when using numeric as first character of a group element (10265545)
- Pro*COBOL on Windows no longer crashes when option comp1=integer is set (10040552)
- Pro*COBOL no longer returns ORA-6502 with PL/SQL bind (9905110)
- Pro*COBOL no longer crashes when a large source file contains a large number of host variables (9689604)

- Pro*COBOL now parses statements with a double dot after a COBOL COPY clause after installing patch 9218271 (9470397)
- Pro*COBOL no longer generates illegal values when a statement is declared at a remote DB and then prepared by passing a string instead of bind-var) (9402996)
- Pro*COBOL non longer fails with ORA-12899 when max_rows_insert is set (9381997)
- Pro*COBOL non longer returns PCB-S-00214 when JUSTIFIED clause is used with host variables (9266470)
- Pro*COBOL no longer returns PCB-S-400 error if SCREEN SECTION is used (9151190)
- Pro*COBOL no longer returns PCB-W-233 when host variable was used for AT clause (9147830)
- Pro*COBOL no longer returns PCB-S-400 when COPY is used in OCCURS clause of an array declaration (9128157)
- Pro*COBOL no longer returns PCB-S-400 when a COPY statement ends with double dots (9055457)
- Pro*COBOL now correctly translates SQL statements which contain a list of lists (8932394)
- Pro*COBOL no longer returns ORA-933 when cursors are declared with outline enabled (8770900)
- Pro*COBOL no longer returns PCB-S-00400 when an EXE SQL INCLUDE statement is used without an ending period in DATA SECTION (8713408)

Support

For Pro*COBOL support, contact your local Oracle Support Services Center.

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