

## Release Notes

### About these Release Notes

This document summarizes requirements, differences between SQL\*Plus and its documented functionality, new features in this release and support information.

It contains the following topics:

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### Certification

SQL\*Plus is certified against the operating systems set out in the operating-system specific Oracle Database documentation.

SQL\*Plus is certified against Oracle Database 18c and all supported versions of the Oracle Server.

## New Features in SQL\*Plus Release 18c, Version 18.1

This section describes new features introduced in SQL\*Plus in 18c.

- Display the `sql_id` for a query  
Support for SET FEEDBACK command to display the `sql_id` for a query. A new `SQL_ID` option for the SET FEEDBACK command displays the `sql_id` for the currently executed SQL or PL/SQL statements. The `sql_id` will be assigned to the predefined variable `_SQL_ID`.
- Set the number of rows displayed for a query  
The SET ROWLIMIT command enables users to set a limit for the number of rows displayed for a query.
- Dynamically change the output display to fit the screen size  
The SET LINESIZE command has a WINDOW option to automatically change the linesize and pagesize for the formatted output according to the width and height of the screen.

## New Features in Previous Releases

This section lists new features introduced in SQL\*Plus in previous releases.

### New Features in SQL\*Plus 12.2.0.1.0 Production

SQL\*Plus Release 12.2.0.1 is a superset of SQL\*Plus Release 12.1.

This section describes new features introduced in this release of SQL\*Plus. Some features may be affected by the `SQLPLUSCOMPATIBILITY` setting. See the SET `SQLPLUSCOMPATIBILITY` Matrix in chapter 12, "SQL\*Plus Command Reference" in the *SQL\*Plus User's Guide and Reference*.

- Support for Command History  
The command history feature enables users to run, edit, or delete previously used SQL\*Plus, SQL, or PL/SQL commands from the history list in the current session.
- Support for long Identifiers  
SQL\*Plus supports object lengths of 128 bytes. In previous releases, the object length limit was 30 bytes.
- Commands to improve performance  
`SET LOBPREF[ETCH]`, `SET ROWPREF[ETCH]`, and `SET STATEMENTC[ACHE]` are new commands that enable users to control row and LOB prefetching, as well as statement caching.
- New Administrative Privilege

The SQLPLUS and CONNECT commands support the new user privilege SYSRAC as well as the existing SYSBACKUP |SYSDG |SYSKM |SYSASM | SYSDBA |SYSOPER privileges.

- Support for Input Binding

The VARIABLE command supports input binding which can be used in SQL and PL/SQL statements.

- Support for Extracting Data in CSV Format

The SET MARKUP command supports the display of data in CSV format.

- Support for Suppressing Data Returned by a Query

The ONLY option for the SET FEEDBACK command suppresses display of data returned by the query. The number of rows selected and returned by the query is displayed.

- Support for Application Continuity

The SQL\*Plus command-line option –AC enables Application Continuity in a session. For more information about Application Continuity, see the *Oracle Call Interface Programmer's Guide*.

- General Performance Improvement

SQL\*Plus command-line option –F[ast] improves general performance.

## New Features in SQL\*Plus 12.1 Production

- Support for Implicit Results
- Last Login Time
- Displaying Invisible Columns
- Pluggable Database Support
- New Administrative Privileges

## Known Problem

Bug 24602051 - STARTUP OPEN RESTRICTED should return a syntax error when connecting to the Application container root. Instead it results in the PDB opening in normal mode.

Work Around: Use STARTUP OPEN RESTRICT or ALTER PLUGGABLE DATABASE <pdb name> OPEN RESTRICTED.

## Bugs Fixed

The following section lists bugs fixed in SQL\*Plus. Numbers in parentheses following the problem description refer to bug numbers in the Oracle Bug Database.

### Bugs Fixed in SQL\*Plus Release 18c, Version 18.1

- Using the invalid option RESTRICTED in the STARTUP command will now return an error when connecting to the Application container root (24602051).
- SET FEEDBACK ONLY will now have the same setting as the -F[ast] command-line option (24642116).
- SQL\*Plus no longer crashes when describing DBMS packages (25097640).
- Querying the long data column in a Multibyte character set now displays the correct error message when incomplete data is returned (25668186).
- SQL\*Plus now handles leading comments correctly (17419163).
- SQL\*Plus Instant Client no longer leaks memory (25127228).
- Passing the directory path as an argument to a file works now(25699321).
- SQL\*Plus now observes SQLPATH in the registry or as an environment variable for login.sql on Windows (25804573).
- The SQLPATH environment variable can now hold more than 256 characters (25997107).
- DBMS\_OUTPUT.PUT\_LINE now returns the value correctly (26163790).
- Internal fixes (25361890, 25390622, 25475326, 25475334)

## Bugs Fixed in SQL\*Plus 12.2.0.1.0 Production

- SQL\*Plus no longer throws ORA-1005 error when a user name that contains double quotes (") is specified while using the Password command (17613757)
- SQL\*Plus no longer crashes when compiling a package body with errors if the name of the "object" specified in the command line is greater than 46 characters (18389912)
- Long column names are no longer displayed as junk characters in the table description (20453052)
- Using the "force" option to create views after altering the session's NLS\_SORT parameter no longer causes a crash (20592522)
- Internal fixes (17830524, 17847776, 18925904, 19655924, 19674161, 19953173, 21609521)

## Bugs Fixed in SQL\*Plus Release 12.1

- SQL\*Plus now correctly executes a sql script that contains a WHENEVER SQLERROR EXIT clause (10375866)
- SPERRORLOG now displays entire statement (9559937)
- SQL\*Plus commands now display correctly in PRODUCT\_USER\_PROFILE (9298298)
- SHUTDOWN IMMEDIATE no longer hangs after session becomes defunct (8299200)
- INSERT now correctly reports all rows inserted (7047565)

- Internal fixes (9587813, 9575131, 8832471, 8670263, 8244438, 7629280, 6862613)

## Support

For SQL\*Plus support, contact your local Oracle Support Services Center.

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