

SQL Navigator[®] 8.0

Release Notes

September 2023

These release notes provide information about the SQL Navigator[®] release.

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About SQL Navigator 8.0

Thank you for installing SQL Navigator, the Professional Oracle Development Environment of choice for thousands of developers and corporations worldwide.

SQL Navigator provides an integrated environment for developing and testing stored programs, schemas, SQL scripts, and more - all from an easy-to-use graphical user interface. The SQL Navigator family of products is a complete development environment for Oracle server-side development and management. It has been conceived, designed and developed by Oracle developers and DBAs with hands-on experience in the most common problems facing Oracle developers.

View the latest [Release Notes](#) containing late-breaking information and known issues about SQL Navigator.

We trust you will find that SQL Navigator significantly improves your productivity, so that your projects are completed faster with a higher level of quality than ever before.

SQL Navigator 8.0 is a major release, with enhanced features and functionality.

Enhancements

Table 1: General enhancements

Enhancement	Issue ID
SQL Navigator now supports Microsoft Server 2022 and Oracle 21c.	SQLNAV-2368
SQL Navigator now supports noneditable keywords for Triggers/ Functions/Packages/Package Body.	SQLNAV-2366
We have upgraded to the latest edition of QP5 in order to access the most recent formatting and parsing syntax capabilities.	SQLNAV-2355
All the third party tools have been upgraded to their most latest versions.	SQLNAV-2354
SQL Navigator now supports Windows 11.	SQLNAV-2343

Resolved issues

Table 2: General resolved issues

Resolved Issue	Issue ID
Users are experiencing slowness when when loading large size PL/SQL packages. This issue has been observed following an upgrade from SQL Navigator version 5.5 to 7.6.	SQLNAV-2394
The Zlib library has been upgraded from 1.2.7 to 1.2.13 in order to address issues related to the WhiteSource scan.	SQLNAV-2356
SQL Navigator is encountering slow loading times across various screens and functions, particularly when interacting with triggers.	SQLNAV-2349
Users are unable to extract a Data Definition Language (DDL) using the 'Use EDITIONABLE OR NONEDITIONABLE' parameter through SQL Navigator.	SQLNAV-2341
SQL Navigator encounters slow loading times when attempting to open large objects containing more than 10,000 lines from a database. This issue has been observed across versions 7.6, 7.4, and 7.1.	SQLNAV-2337
SQL Navigator displays the 'ORA-9000: invalid SQL Statement' error when a user tries to execute a query for creating a noneditable procedure.	SQLNAV-2334
Users are unable to compile extracted metadata using the Get Metadata function when the 'EDITIONABLE' clause is present in the Data Definition Language (DDL) definition.	SQLNAV-2317
SQL Navigator displays an error when users attempt to format code containing case statements in versions 7.5 and 7.4.	SQLNAV-2254
The update checker in SQL Navigator 7.4 displays inaccurate information when accessed through the Help > Check for Updates section.	SQLNAV-2224

Known issues

Table 3: Known Issues

Feature	Known Issue	Issue ID
VCS repository	Objects or tables updated in the database are not reflecting in the VCS repository, even after creating a new revision.	SQLNAV-2450
Installation	The Result section on the 'SQL Navigator Server Side Installation' window is not displaying the status of the server-side installation when the installation fails.	SQLNAV-2449
Team Coding	The following options are not enabled in SQL Navigator under the Team Coding menu: <ul style="list-style-type: none"> • Add file • Check Out • Check In • Undo Checkout 	SQLNAV-2448
Explain Plan	The Explain Plan is not displaying the required parameters when opened using the Explain Plan icon in the icon tray.	SQLNAV-2447
Source preview	SQL Navigator is not displaying source code previews for any object in the Source Preview window.	SQLNAV-2444
Getmeta data	SQL Navigator generates a query with an incorrect format for the 'Getmeta data' script in the Editor tab.	SQLNAV-2443
Case statement	The Output window on the Profile Code page displays an incorrect count under the Code Statistics Summary section.	SQLNAV-2442
License	When a user attempts to activate the 'Developer Edition' license, SQL Navigator displays incorrect licensed version information in the 'About SQL Navigator' window.	SQLNAV-2438
SQL Navigator	SQL Navigator displays incorrect license information on the "About SQL Navigator" window when a user tries activating the "Developer Edition" license.	SQLNAV-2438
Stored procedure	Error message received while executing a stored procedure when the table is not present in the database, is not clear.	SQLNAV-2421
F1 Help	Pre-open F1 help is unresponsive when there is a modal dialog opened in SQL Navigator. <i>Workaround:</i> Close the modal dialog and then switch to the help window	SQLNAV-260
Export Data	Export Data containing special characters from data grid to xlsx format may corrupt the Excel file. This usually happens when binary content is exported from a BLOB field. <i>Workaround:</i> Exclude the rows or columns which contain binary data or special characters when using the Export Data dialog	SQLNAV-1609

Table 4: Third Party Known Issues

Feature	Known Issue	Issue ID
Oracle	When users connect to the Oracle 19c database for the first time after upgrading from an Oracle 12c database, SQL Navigator displays an error. This issue is particularly observed with tables containing XMLTYPE columns.	N/A
E-Control (Editor component)	Odd word-wrapping behavior in some languages. Word wrapping may appear between symbols, with no space required to wrap, and some characters cannot be word-wrapped at all (for example, multi-byte characters in ANSI text).	N/A
ODAC	ODAC does not support Unicode in XMLTYPE (editing of XMLTYPE data is not supported). Querying of XMLTYPE with binary storage will lead to an error.	

System requirements

Before installing SQL Navigator 8.0, ensure that your system meets the following minimum hardware and software requirements.

Memory	<p>1 GB RAM required for 32-bit</p> <p>2 GB RAM required for 64-bit</p> <p>The memory required may vary based on the following:</p> <ul style="list-style-type: none"> • Applications that are running on your system • Size and complexity of the database • Amount of database activity • Number of concurrent users accessing the database
Hard Disk Space	<p>120 MB required for 32-bit</p> <p>150 MB required for 64-bit</p> <p>More disk space is required for SQL Navigator Xpert, less for SQL Navigator Standard and SQL Navigator Professional.</p>
Operating System	<ul style="list-style-type: none"> • Windows 8.1 • Windows 10 • Windows 11 • Windows Server 2012 R2 • Windows Server 2016 • Windows Server 2019 • Windows Server 2022
Oracle Client	<ul style="list-style-type: none"> • Oracle Client or Instant Client 10.2.0.5 • Oracle Client or Instant Client 11.2.0.1/11.2.0.3 • Oracle Client or Instant Client 12c Release 1 and 2

- Oracle Client or Instant Client 18c
- Oracle Client or Instant Client 19c
- Oracle Client or Instant Client 21c

You must use the 32-bit version of SQL Navigator with the 32-bit Oracle client, and the 64-bit version of SQL Navigator with the 64-bit Oracle client.

Oracle Server	The following Oracle database servers are supported. 10g Release 2 11g Release 1 and 2 12c Release 1 and 2 18c 19c 21c
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Citrix/Terminal Server Support	Citrix products supported include: <ul style="list-style-type: none"> • Platform Level - MetaFrame XPa 1.0 Server for Windows • Feature Release - MetaFrame XP 1.0, Feature Release 1,2 and 3. <p>For installation notes on installing SQL Navigator in a Citrix environment, refer to Getting Started Installation.</p>
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Supported Version Control Systems

You can use a version control system (VCS) in conjunction with Team Coding to control files and database objects. SQL Navigator provides direct support to specific third-party version control systems and it also provides SCC support to connect to additional version control systems. You must have Team Coding installed to work with a VCS through SQL Navigator.

i | **IMPORTANT:** Quest Software is unable to provide support for source control issues caused by the version control system, including the version control system's support for the Microsoft SCC API. If you have problems connecting to SQL Navigator through SCC, contact the version control system's support.

Direct Supported

Version Control System	Version
Concurrent Versions System (CVS)*	CVS 1.11.9 and later CVSNT 2.08 and later
Git *	A git client for Windows must be installed.
IBM Rational ClearCase *	Version 7.1 for Windows. ClearTool command line is required.

i | **NOTE:** You must set up a working client view, mapped to the Project VOB on the client computer, before using it in SQL Navigator.

Version Control System	Version
Perforce *	2010.2 (command-line client) i NOTE: The Perforce client must match your operating system. For example, if you are running Windows 7 64-bit, then you must use the 64-bit Perforce client.
Serena PVCS *	5.2 and later i NOTE: PVCS 6.6.1 and 6.8.0 are specifically not supported with Team Coding. Serena PVCS Version Manager: <ul style="list-style-type: none"> • PVCS is supported with Team Coding for both 32-bit and 64-bit SQL Navigator. • It has been tested with Serena PVCS Version Manager 8.5/ 8.4, and replaces existing Merant PVCS interfaces. • PVCS Version manager Command Line Interface (CLI) is supported. • PVCS Command Line option must be included when installing PVCS
Apache Subversion (SVN)*	1.7 and later
Microsoft Team Foundation Server	2013

*These version control systems connect using a command-line client.

SCC Support

In addition to providing direct support to the version control systems, SQL Navigator supports additional version control systems through the Microsoft SCC API. You should be able to connect to any version control system that uses SCC.

To connect to a version control system using SCC, you must install the system's SCC-compliant client. See the system's documentation for instructions on how to install their SCC client.

i **NOTE:** It is strongly recommended you use the native APIs for PVCS when using Team Coding (instead of the SCC integration).

Most version control systems that integrate with SQL Navigator through the SCC API ignore the "Force revision" flag and the "Create a new revision for existing objects" option when exporting.

Supported Oracle Features

SQL Navigator supports the following Oracle features.

A support of YES indicates the feature is supported fully or partially.

Oracle feature		Support	
Tables	Standard relational tables	YES	
	Partitioned (range, hash and composite) Tables	YES	
	Partitioned (list) Tables	YES	Oracle 10g and above
	Object tables	YES	
	Queue tables + (including schedules)	NO	
	Index-organized tables	YES	
	Temporary tables	YES	
	External tables	YES	Oracle 10g and above
Views	Standard views	YES	
	Inline views	YES	
	Object views	YES	
	Join views (including updateable)	YES	
	Check option on views	YES	
	Read only option on views	YES	
	Polymorphic Views	NO	Oracle 10g and above
	Views Hierarchies	NO	Oracle 10g and above
	Views with Constraints	NO	Oracle 10g and above
Constraints (definition, clauses and storage)	Primary keys	YES	
	Unique keys	YES	
	Foreign keys (including external FKs, views FKs)	YES	Oracle 10g and above for views FKs
Procedures		YES	
	Java/C Methods Calls	YES	
	Invokers Right	YES	
Functions		YES	
	Java/C Methods Calls	YES	
	Invokers Right	YES	
Packages		YES	
	Header	YES	
	Body	YES	
	Invokers Right	YES	

Oracle feature		Support	
Indexes	Standard	YES	
	Bitmap	YES	
	Bitmap Join Index	NO	Oracle 10g and above
	Descending	YES	Oracle 10g and above
	Reverse key	YES	
	Partitioned	YES	
	Global	YES	
	Local	YES	
	Non-prefixed	YES	
	Pre-fixed	YES	
	Function-based	YES	Oracle 10g and above
Materialized views		YES	
	Index-Organized Materialized Views	YES	Oracle 10g and above
	Indexes on Materialized Views	YES	Oracle 10g and above
	XML, LOB, nested table, varray type columns	YES	Oracle 10g and above
Materialized view Logs		NO	Oracle 10g and above
Snapshot logs		NO	
	Record with Object ID or Sequence	NO	Oracle 10g and above
Refresh groups		NO	Oracle 10g and above
Datatypes	Built-in Datatypes	YES	
	Character	YES	
	CHAR	YES	
	NCHAR	YES	
	VARCHAR2	YES	
	NVARCHAR2	YES	
	LONG	YES	
	CLOB	YES	
	NCLOB	YES	
	Number	YES	

Oracle feature		Support	
Date types	DATE	YES	
	TIMESTAMP	YES	Oracle 10g and above
	TIMESTAMP WITH TIME ZONE	YES	Oracle 10g and above
	TIMESTAMP WITH LOCAL TIME ZONE	YES	Oracle 10g and above
	INTERVAL YEAR TO MONTH	YES	Oracle 10g and above
	INTERVAL DAY TO SECOND	YES	Oracle 10g and above
Binary data types	RAW	YES	
	LONG RAW	YES	
	BLOB	YES	
	BFILE	YES	
	Binary_Float	YES	Oracle 10g and above
	Binary_Double	YES	Oracle 10g and above
Ids	ROWID	YES	
	UROWID	YES	
	ANSI DB2, SQL/DS datatypes	YES	
User defined data types	Collection Types	YES	
	Object Types	YES	
Oracle Supplied types	"Any" Types	NO	Oracle 10g and above
	XML Types	YES	Oracle 10g and above
	Spatial Types	NO	
	Media Types	NO	Oracle 10g and above
	Context Text Types	NO	
Operators		NO	
	User defined	NO	Oracle 10g and above
	Ancillary	NO	Oracle 10g and above
Triggers	Standard	YES	
	Instead-of	YES	
	Database-event	YES	
	Nested-table view triggers	YES	Oracle 10g and above

Oracle feature	Support
Clusters	YES
Non-hash	YES
Hash	YES
Row level dependency tracking	NO Oracle 10g and above
Collections	YES
Nested tables	YES
VARRAYs	YES
Java support	JDBC code NO
	SQLJ code NO
	JAVA SOURCE YES
	JAVA CLASS YES
	JAVA RESOURCE YES
Database links	YES
PFILE, SPFILE	NO Oracle 10g and above
Libraries	YES
Synonym	YES
Sequence	YES
Dimensions	YES Oracle 10g and above
Directories	YES
Indextypes	YES Oracle 10g and above
Jobs	YES
Outlines	NO Oracle 10g and above
Policies	NO Oracle 10g and above
Histograms	NO
Sum Deltas	NO Oracle 10g and above
Object support	Types YES
	Attributes YES
	Methods YES
	REF support (columns and attributes) YES
	Inheritance NO
	Substitutability NO
	Polymorphism NO

Oracle feature		Support
User defined statistics		NO Oracle 10g and above
Context Namespaces		NO
Audit options		NO
Profiles		YES
Roles		YES
Privileges		YES
Resources	Resource plans	NO
	Consumer groups	NO
	Plan Directives	NO
	Allocation method	NO
	Alter Resource Cost dynamically	NO Oracle 10g and above
Rulesets		NO Oracle 10g and above
External objects		NO Oracle 10g and above
Tablespaces	Standard	YES
	Temporary	YES
	Read-only	YES
	Locally managed	YES Oracle 10g and above
	Transportable	YES
	Undo Tablespace	NO Oracle 10g and above
Partition manipulation		YES
PL/SQL server pages		NO Oracle 10g and above
Fine grained access control		NO
Application contexts		NO
Labels (Trusted Oracle)		NO
National Language Support		NO

Product licensing

SQL Navigator is supplied with a time-limited trial key so you may test the product.

To activate a purchased commercial license

1. Start SQL Navigator
2. Click **Tools | Product Authorization**.
3. Enter the **Authorization key**.

i **NOTE:** The Windows user that licenses SQL Navigator requires certain write-access privileges and therefore must be a member of either the Administrators group within Windows, or have equivalent privileges.

SQL Navigator suite includes the following products:

- SQL Navigator
- SQL Optimizer for Oracle
- Code Tester for Oracle
- Benchmark Factory*

***The Benchmark Factory product requires a separate license key for activation.**

Getting started with SQL Navigator 8.0

Upgrade and installation instructions

Refer to the **Installation Notes** for installation instructions.

Upgrades for SQL Navigator install side-by-side with previous versions. You can run the new and previous versions concurrently. The first time you run the new version of SQL Navigator, you can import settings files from the previous versions via **Tools | Profile Manager**.

Additional resources

Additional information is available from the following:

- Online product documentation: <https://support.quest.com/sql-navigator-for-oracle/>
- Toad World: <https://forums.toadworld.com/c/sql-navigator/38>

Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release supports any single-byte or multi-byte character set. It supports simultaneous operation with multilingual data. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe, Far-East Asia, Japan. It supports bidirectional writing (Arabic and Hebrew). The release supports Complex Script (Central Asia – India, Thailand).

About us

We are more than just a name

We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation.

Our brand, our vision. Together.

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece — you — to the community, to the new Quest.

Contacting Quest

For sales or other inquiries, visit www.quest.com/company/contact-us.aspx or call +1 949 754-8000.

Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product

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Legend

-  **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.
-  **WARNING:** A WARNING icon indicates a potential for property damage, personal injury, or death.
-  **IMPORTANT NOTE, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.

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