

SQL Navigator® 7.4

Release Notes

June 2017

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

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About SQL Navigator 7.4

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 7.4 is a maintenance release with no new functionality. See [Resolved issues](#).

Resolved issues

View the latest [list of resolved issues](#)

Known issues

View the latest [list of issues known to exist in this release](#)

Table 1: Third Party Known Issues

Feature	Known Issue	Issue ID
Help	(Affects the 64-bit version of SQL Navigator only) If Internet Explorer 9 is installed, clicking a link in the Help file may crash SQL Navigator 64-bit, even if Internet Explorer 9 is not the default browser. <i>Workaround:</i> Users who have Internet Explorer 9 installed can open Help from outside of SQL Navigator.	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 7.4, ensure that your system meets the following minimum hardware and software requirements.

Memory	1 GB RAM required for 32-bit 2 GB RAM required for 64-bit The memory required may vary based on the following: <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	120 MB required for 32-bit 150 MB required for 64-bit More disk space is required for SQL Navigator Xpert, less for SQL Navigator Standard and SQL Navigator Professional.
Operating	Microsoft Windows Server 2012 (64-bit)

System	<p>Microsoft Windows Server 2008 R2 (64-bit)</p> <p>Microsoft Windows Server 2008 (32-bit and 64-bit)</p> <p>Microsoft Windows Server 2003 (32-bit and 64-bit)</p> <p>Microsoft Windows 10 (32-bit and 64-bit)</p> <p>Microsoft Windows 8 (32-bit and 64-bit)</p> <p>Microsoft Windows 7 (32-bit and 64-bit)</p> <p>Microsoft Windows Vista (32-bit and 64-bit)</p> <p>Microsoft Windows XP (32-bit and 64-bit)</p> <p>It is recommended that you have the latest Windows Service Pack and Updates. Windows Server 2012 is not fully tested with this release.</p>
Oracle Client	<p>Oracle Client or Instant Client 12c</p> <p>Oracle Client or Instant Client 11.2</p> <p>Oracle Client or Instant Client 10.2</p> <p>Oracle Client 9.2</p> <p>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.</p>
Oracle Server	<p>The following Oracle database servers are supported.</p> <p>Oracle 12c</p> <p>Oracle 11g</p> <p>Oracle 10g</p> <p>Oracle 9i</p> <p>Oracle 8.1.7</p> <p>It is recommended that your client version be of the same release (or later) as your database server. This is an Oracle recommendation to prevent performance issues.</p>
Citrix/Terminal Server Support	<p>Citrix products supported include:</p> <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>

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.
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)*	1.6.5 and later
Microsoft Team Foundation Server	2005 through 2013
Microsoft Visual SourceSafe	5.0, 6.0, and 2005 (8.0)

*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 SourceSafe and 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 9.0.1 and above
	Object tables	YES
	Queue tables + (including schedules)	NO
	Index-organized tables	YES
	Temporary tables	YES
	External tables	YES Oracle 9.0.1 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 9.0.1 and above
	Views Hierarchies	NO Oracle 9.0.1 and above
	Views with Constraints	NO Oracle 9.0.1 and above
	Constraints (definition, clauses and storage)	Primary keys
Unique keys		YES
Foreign keys (including external FKs, views FKs)		YES Oracle 9.0.1 and above for views FKs

Oracle feature	Support	
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
Indexes	Standard	YES
	Bitmap	YES
	Bitmap Join Index	NO Oracle 9.0.1 and above
	Descending	YES Oracle 8.1.x and above
	Reverse key	YES
	Partitioned	YES
	Global	YES
	Local	YES
	Non-prefixed	YES
	Pre-fixed	YES
	Function-based	YES Oracle 8.1.x and above
Materialized views		YES
	Index-Organized Materialized Views	YES Oracle 9.0.1 and above
	Indexes on Materialized Views	YES Oracle 9.0.1 and above
	XML, LOB, nested table, varray type columns	YES Oracle 9.0.1 and above
Materialized view Logs		NO Oracle 8.1.x and above
Snapshots		NO Oracle 8.0.x only
	Simple and complex	NO
	Registered	NO
	Read-only and updateable	NO
	Complete, ROWID and primary key fast refreshes	NO

Oracle feature	Support	
Snapshot logs		NO Oracle 8.0.x only
	Record with Object ID or Sequence	NO Oracle 9.0.1 and above
Refresh groups		NO Oracle 8.1.x 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
Date types	DATE	YES
	TIMESTAMP	YES Oracle 9.0.1 and above
	TIMESTAMP WITH TIME ZONE	YES Oracle 9.0.1 and above
	TIMESTAMP WITH LOCAL TIME ZONE	YES Oracle 9.0.1 and above
	INTERVAL YEAR TO MONTH	YES Oracle 9.0.1 and above
	INTERVAL DAY TO SECOND	YES Oracle 9.0.1 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 feature	Support	
Oracle Supplied types	"Any" Types	NO Oracle 9.0.1 and above
	XML Types	YES Oracle 9.0.1 and above
	Spatial Types	NO
	Media Types	NO Oracle 8.1.x and above
	Context Text Types	NO
Operators		NO
	User defined	NO Oracle 8.1.x and above
	Ancillary	NO Oracle 8.1.x and above
Triggers	Standard	YES
	Instead-of	YES
	Database-event	YES
	Nested-table view triggers	YES Oracle 8.1.x and above
Clusters		YES
	Non-hash	YES
	Hash	YES
	Row level dependency tracking	NO Oracle 9.0.1 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 9.0.1 and above	
Libraries	YES	
Synonym	YES	
Sequence	YES	
Dimensions	YES Oracle 8.1.x and above	
Directories	YES	
Indextypes	YES Oracle 8.1.x and above	

Oracle feature		Support
Jobs		YES
Outlines		NO Oracle 8.1.x and above
Policies		NO Oracle 8.1.x and above
Histograms		NO
Sum Deltas		NO Oracle 8.1.x and above
Object support	Types	YES
	Attributes	YES
	Methods	YES
	REF support (columns and attributes)	YES
	Inheritance	NO
	Substitutability	NO
	Polymorphism	NO
User defined statistics		NO Oracle 8.1.x 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 9.0.1 and above
Rulesets		NO Oracle 8.1.x and above
External objects		NO Oracle 8.1.x and above
Tablespaces	Standard	YES
	Temporary	YES
	Read-only	YES
	Locally managed	YES Oracle 8.1.x and above
	Transportable	YES
	Undo Tablespace	NO Oracle 9.0.1 and above
Partition manipulation		YES

Oracle feature	Support
PL/SQL server pages	NO Oracle 8.1.x 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.

Getting started with SQL Navigator 7.4

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
- Toad World (<http://www.toadworld.com/products/sql-navigator/default.aspx>)

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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