SQL Optimizer for IBM® DB2® LUW 5.0

Installation Guide

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Legend

> **WARNING: A WARNING icon indicates a potential for property damage, personal injury, or death.**

CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

IMPORTANT, **NOTE**, **TIP**, **MOBILE**, or **VIDEO**: An information icon indicates supporting information.

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Installation

Installation Requirements

Before installing Quest SQL Optimizer for IBM® DB2® LUW , ensure your system meets the following minimum hardware and software requirements:

Platform	1 GHz recommended minimum
Memory	1 GB of RAM recommended minimum
Hard Disk Space	50 MB hard disk space
Operating System	Microsoft Windows 10 (32-bit and 64-bit) Microsoft Windows 11 (32-bit and 64-bit) Microsoft Windows Server 2016 Microsoft Windows Server 2019 Microsoft Windows Server 2022
Database Client	PC client connection to DB2 LUW with DB2 LUW Client Software version 11.1, 11.5, 11.5.9, 12.1 and higher
Database Server	DB2 for LUW 11.1, 11.5, 11.5.9, 12.1 and higher on Windows, UNIX, OS/2, Linux, AIX, HP-UX, Solaris platform
Additional Software	Adobe Acrobat Reader 2020 or later (for viewing the Installation Guide) Microsoft Edge 140 or later

Virtualization Support

Application Virtualization	Limited testing has been performed for Citrix XenApp 6.5 on Windows Server 2008 R2.

Note: SQL Optimizer for IBM® DB2® LUW may work in virtualization environments other than the ones in which it was tested.

Install or Upgrade SQL Optimizer

To install or upgrade SQL Optimizer

1. Run the SQL Optimizer installation program from the CD or the download file.
2. In the Welcome window, click **Next**.
3. In the License Agreement window, review the license.
4. Select **I accept the agreement**. Click **Next**.
5. In the Select the Products to Install window, select **Quest SQL Optimizer for IBM DB2 LUW**.
6. To allow other users to use SQL Optimizer, select **Install for everyone**.
7. Click **Next**.
8. In the Summary and Confirmation window, click **Install**.
9. Click **Finish**.

Silent Install of SQL Optimizer

To silently install SQL Optimizer, use this command

msiexec /i "path to msi file\QuestSQLOptimizer_DB2LUW_*x_x_x_x* msi" /qn

Where

/i = install

/qn = quiet, no UI

To install it in a directory different from the default product directory, use this command

msiexec /i "path to msi file\QuestSQLOptimizer_DB2LUW_*x_x_x_x* msi" /qn installdir="installdir"

Uninstall SQL Optimizer

To uninstall from Windows Add or Remove Programs

1. Select **Start | Control Panel**.
2. Select **Add or Remove Programs**.
3. Select **SQL Optimizer for IBM DB2 LUW**.
4. Click the **Change/Remove** button.
5. Follow the directions on the screen.

Register SQL Optimizer

To register the trial or production key

1. In SQL Optimizer, select **Help | Licensing**.
2. Enter your *authorization key*.
3. For a production key, enter your *site message*.
4. Click **Apply**.

   Note: Enter the license key for each user log-on on the computer.

   Tip: Access the Licensing window any time to review current license information in the License Details pane.

Configuration

Access SQL Optimizer

To run SQL Optimizer

Select **Start | All Programs | Quest Software | Quest SQL Optimizer for IBM DB2 LUW | Quest SQL Optimizer for IBM DB2 LUW**.

Configure SQL Optimizer

Database requirements

SQL Optimizer supports DB2 LUW 9/10 on UNIX (AIX, Solaris, HP-UX, Linux), OS/2, and Windows.

Privileges

Most of the functionality in SQL Optimizer does not need any special privilege for the user. When logging on to SQL Optimizer, if you do not satisfy the logon privileges below, you are presented with a Connection Information window that details the functionality in SQL Optimizer which needs the privilege and therefore may be limited if the user logon is not granted the privilege.

Temporary Table Generation

To create or modify temporary tables in User-Defined Temp Table, Scanner Temp Table, Trigger Conversion, and temporary table generation while optimizing the source SQL statement, the logon user needs the following privileges:

- USE privilege on the USER TEMPORARY table space or SYSADM or DBADM authority

SQL Optimizer Module

In the Access Plan page of the SQL Optimizer window, you can update the table and index statistics. In order to update statistics, you must have one of these privileges:

- SYSADM
- SYSCTRL
- SYSMAINT
- DBADM
- CONTROL privilege on the table
- LOAD authority

Troubleshoot SQL Optimizer

"Failed to Connect to IBM® DB2® LUW"

Check that other DB2 products (for example, Command Center) connect successfully to the database with the same login name, password and database alias. If connection fails, check with your database administrator.

No Index Recommendations from IBM® DB2® LUW

If the Generate Indexes function does not provide indexes recommended by DB2 LUW, perhaps the MEM_UDF heap size is not set large enough. Refer to the IBM documentation to increase the size of UDF Shared Memory in DB2 LUW to 1024 or higher.

"Failed to initialize the application"

When running SQL Optimizer on a Windows platform, you might encounter a "Failed to initialize the application" error message. This error message indicates that either the current user does not have certain permissions within the Windows Registry or that the Registry path does not exists.

The Permission of the Registry is as follows:

(F - Full Control, R - Only Read permission is needed)

HKEY_CURRENT_USER (F)

|_Software (F)

|____Quest Software (F)

| |___Quest SQL Optimizer for DB2 LUW (F)

| |___Current Version (F)

| |___Connections (F)

| |___Preferences (F)

(Full Control permission is needed upon installation)

HKEY_LOCAL_MACHINE (R)

|_Software (R)

|____Quest Software (R)

| |___Quest SQL Optimizer for DB2 LUW (R)

| |___Current Version (R)

|___IBM (R)

|____|___DB2 (R)

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 https://www.quest.com/company/contact-us.aspx.

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