

# How to use SQL Profiler to create an SQL trace in Microsoft SQL Server 2005

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## CONFIDENTIAL ARTICLE

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### INTRODUCTION

This article describes how to use SQL Profiler to create an SQL trace in Microsoft SQL Server 2005.

#### Partner Only Article

Article ID : 912281  
Last Review : N/A  
Revision : 3.0

### MORE INFORMATION

To create an SQL trace, follow these steps:

1. Click **Start**, point to **Programs**, click **Microsoft SQL Server 2005**, click **Performance Tools**, and then click **SQL Profiler**.
2. On the **File** menu, click **New Trace** to open the **Connect to Server** dialog box.
3. In the **Server name** box, type the name of the SQL Server.
4. In the **Authentication** list, click **SQL Authentication**.
5. Type the system administrator user name and the password, and then click **Connect** to open the **Trace Properties** dialog box.
6. Click the **Events Selection** tab, and then click to select the **Show all events** check box in the lower-right corner.
7. Select the server event classes to trace:
  - a. Expand **Cursors**, and then click to select the following check boxes:
    - **CursorClose**
    - **CursorExecute**
    - **CursorOpen**
    - **CursorPrepare**
  - b. Expand **Errors and Warnings**, and then click to select the following check boxes:
    - **Attention**
    - **Exception**
    - **Missing Column Statistics**
  - c. Expand **Locks**, and then click to select the following check boxes
  - d. **Lock: Deadlock**  
**Lock: Deadlock Chain**
  - e. Expand **Performance**, and then click to select the following check boxes:
    - **Execution Plan**
    - **ShowPlan All**
  - f. Under **Stored Procedures**, click to select the following check boxes:
    - **RPC: Starting**
    - **RPC:Completed**
    - **SP: Completed**
    - **SP: Recompile**
    - **SP: Starting**
    - **SP: StmtCompleted**
    - **SP: StmtStarting**

**Note** By default, the **RPC: Completed** check box should be selected. Do not click to clear the

**RPC: Completed** check box.

g. Expand **TSQL**, and then click to select the following check boxes:

- **SQL:BatchCompleted**
- **SQL:BatchStarting**
- **SQL:StmtCompleted**
- **SQL:StmtStarting**

**Note** By default, the **SQL:BatchCompleted** check box should be selected. Do not clear the **SQL:BatchCompleted** check box.

h. Expand **Sessions**, and then make sure that the **ExistingConnection** option is already selected. By default, this option should be selected. Do not clear the **ExistingConnection** option.

8. Click **Organize Columns**, and then make sure that the following columns appear in the **Organize Columns** dialog box:

- **Start Time**
- **End Time**
- **SPID**
- **Event Class**
- **Text Data**
- **Integer Data**
- **Binary Data**
- **Duration**
- **CPU**
- **Reads**
- **Writes**
- **Application Name**
- **NT User Name**
- **DB User Name**

9. Click **Run** to run the trace and to capture SQL Server processes.

10. On the **File** menu, click **Stop Trace** to stop the trace.

11. On the **File** menu, click **Save As**, and then click **Trace File**.

12. Name the file, and then save the file.

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## APPLIES TO

- System Manager, when used with:
  - Microsoft Dynamics GP 9.0
  - Microsoft Business Solutions–Great Plains 8.0
  - Microsoft Business Solutions–Great Plains 7.5

**Keywords:** kbmbspartner kbmbmigrate kbhowto KB912281