title: "Run a package with Transact-SQL (SSMS) | Microsoft Docs"  
ms.date: "08/21/2017"  
ms.topic: "article"  
ms.prod: "sql-server-2017"  
ms.technology:

* "integration-services"  
  author: "douglaslMS"  
  ms.author: "douglasl"  
  manager: "craigg"  
  ---

# Run an SSIS package from SSMS with Transact-SQL

* This quick start demonstrates how to use SQL Server Management Studio (SSMS) to connect to the SSIS Catalog database on an Azure SQL database server, and then use Transact-SQL statements to run an SSIS package stored in the SSIS Catalog.

SQL Server Management Studio is an integrated environment for managing any SQL infrastructure, from SQL Server to SQL Database. For more info about SSMS, see [SQL Server Management Studio (SSMS)](../ssms/sql-server-management-studio-ssms.md).

## Prerequisites

Before you start, make sure you have the latest version of SQL Server Management Studio (SSMS). To download SSMS, see [Download SQL Server Management Studio (SSMS)](https://docs.microsoft.com/sql/ssms/download-sql-server-management-studio-ssms).

## Connect to the SSISDB database

Use SQL Server Management Studio to establish a connection to the SSIS Catalog on your Azure SQL Database server.

[!IMPORTANT]  
An Azure SQL Database server listens on port 1433. If you are attempting to connect to an Azure SQL Database server from within a corporate firewall, this port must be open in the corporate firewall for you to connect successfully.

1. Open SQL Server Management Studio.
2. In the **Connect to Server** dialog box, enter the following information:

|  |  |  |
| --- | --- | --- |
| Setting | Suggested value | Description |
| **Server type** | Database engine | This value is required. |
| **Server name** | The fully qualified server name | The name has this format: **mysqldbserver.database.windows.net**. |
| **Authentication** | SQL Server Authentication | This quickstart uses SQL authentication. |
| **Login** | The server admin account | This is the account that you specified when you created the server. |
| **Password** | The password for your server admin account | This is the password that you specified when you created the server. |

1. Click **Connect**. The Object Explorer window opens in SSMS.
2. In Object Explorer, expand **Integration Services Catalogs** and then expand **SSISDB** to view the objects in the SSIS Catalog database.

## Run a package

Run the following Transact-SQL code to run an SSIS package.

1. In SSMS, open a new query window and paste the following code. (This is the code generated by the **Script** option in the **Execute Package** dialog box in SSMS.)
2. Update the parameter values in the catalog.create\_execution stored procedure for your system.
3. Make sure that SSISDB is the current database.
4. Run the script.
5. In Object Explorer, refresh the contents of **SSISDB** if necessary and check for the project that you just deployed.

Declare @execution\_id bigint  
EXEC [SSISDB].[catalog].[create\_execution] @package\_name=N'Package.dtsx',  
 @execution\_id=@execution\_id OUTPUT,  
 @folder\_name=N'Deployed Projects',  
 @project\_name=N'Integration Services Project1',  
 @use32bitruntime=False,  
 @reference\_id=Null  
Select @execution\_id  
DECLARE @var0 smallint = 1  
EXEC [SSISDB].[catalog].[set\_execution\_parameter\_value] @execution\_id,  
 @object\_type=50,  
 @parameter\_name=N'LOGGING\_LEVEL',  
 @parameter\_value=@var0  
EXEC [SSISDB].[catalog].[start\_execution] @execution\_id  
GO

## Next steps

* Schedule a package. For more info, see [Schedule page](ssis-everest-howto-schedule-package.md)