
HANDLEIDING MICROSOFT SQL SERVER.

DP V1A – Groep 1



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Inleiding

Welkom bij de handleiding voor ons demo project voor Microsoft SQL server. In deze handleiding wordt uitgelegd hoe je een Microsoft SQL server installeert, hoe je de bijpassende IDE installeert en hoe je met deze database connectie legt doormiddel van Java.

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1. Microsoft SQL server

Stap 1.

Ga naar: <https://www.microsoft.com/nl-nl/sql-server/sql-server-downloads#>

Download vervolgens de Developer versie.

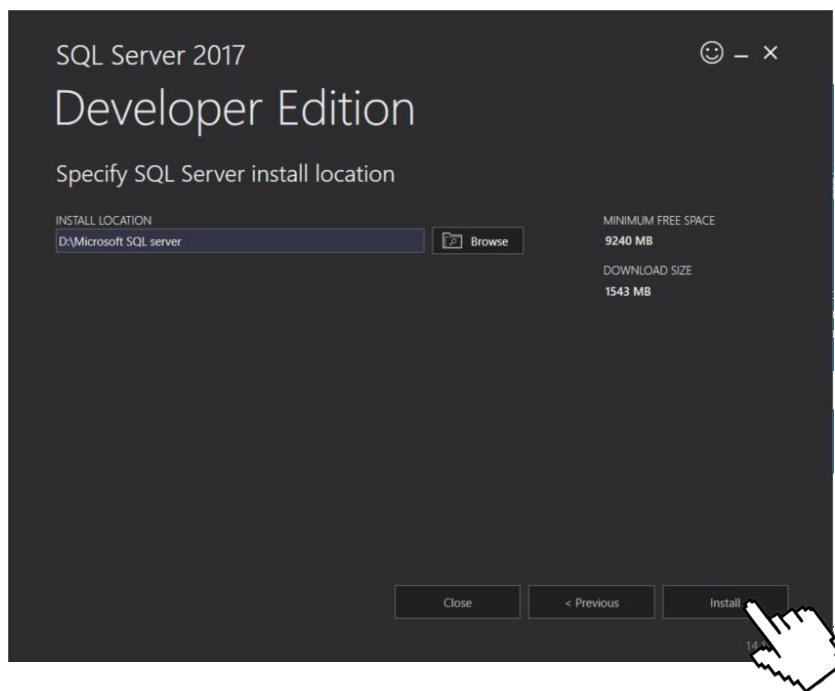
The screenshot shows the Microsoft SQL Server download page. At the top, there's a navigation bar with 'Microsoft', 'Data platform', 'Producten', 'Downloads', 'Community', 'Ontwikkelaar', and 'Partner'. Below this, a header says 'Probeer SQL Server on-premises of in de cloud'. The main content is divided into two columns: 'SQL Server 2017 on-premises' and 'SQL Server in de cloud'. The 'on-premises' section has a 'Download gratis proefversie' button. The 'in de cloud' section has a 'Start gratis' button. Below these, there's a section titled 'Of download een gratis speciale editie' with two options: 'Developer' and 'Express'. The 'Developer' option has a 'Download nu' button, which is being clicked by a hand cursor. The 'Express' option also has a 'Download nu' button.

Stap 2.

Start vervolgens de installatie, selecteer de basic installatie en accepteer alle License terms.

The screenshot shows the SQL Server 2017 Developer Edition installation wizard. The title bar says 'SQL Server 2017 Developer Edition'. Below the title, it says 'Select an installation type:'. There are three options: 'Basic', 'Custom', and 'Download Media'. The 'Basic' option is selected, and a hand cursor is pointing at it. The 'Basic' option description says: 'Select Basic installation type to install the SQL Server Database Engine feature with default configuration.' The 'Custom' option description says: 'Select Custom installation type to step through the SQL Server installation wizard and choose what you want to install. This installation type is detailed and takes longer than running the Basic install.' The 'Download Media' option description says: 'Download SQL Server setup files now and install them later on a machine of your choice.' At the bottom, there's a small text block about data processing and privacy controls, and a version number '14.1805.4072.1'.

Geef als installatie locatie een folder op die je makkelijk terug kan vinden. Klik vervolgens op Install.



2. SQL Server management studio (SSMS)

Stap 1

Download de nieuwste versie van SSMS via: <https://docs.microsoft.com/en-us/sql/ssms/release-notesssms?view=sql-server-2017#previous-ssms-releases>

Release notes for SQL Server Management Studio (SSMS)

04/25/2019 • 73 minutes to read • Contributors: [Icons] all

APPLIES TO: SQL Server Azure SQL Database Azure SQL Data Warehouse Parallel Data Warehouse

This article provides details about updates, improvements, and bug fixes for the current and previous versions of SSMS.

18.0 (GA), April 2019

Download: [Download SSMS 18.0 \(GA\)](#)
Build number: 15.0.18118.0
Release date: April 24, 2019

The general availability (GA) release of SSMS 18.0 is available. If you need a previous version of SSMS, see [previous SSMS releases](#).

What's new in 18.0 (GA)

New item	Details
Support for SQL Server 2019	SSMS 18.0 is the first release that is fully aware of SQL Server 2019 (compatLevel 150).
Support for SQL Server 2019	Support for "BATCH_STARTED_GROUP" and "BATCH_COMPLETED_GROUP" in SQL Server 2019 and SQL Managed Instance.
Support for SQL Server 2019	SMO: Added support for UDF Inlining.
Support for SQL Server 2019	GraphDB: Add flag in showplan for Graph TC Sequence.
Support for SQL Server 2019	Always Encrypted: added support for AEv2 / Enclave.
Support for SQL Server 2019	Always Encrypted: connection string has a new tab "Always Encrypted" when the user clicks on the

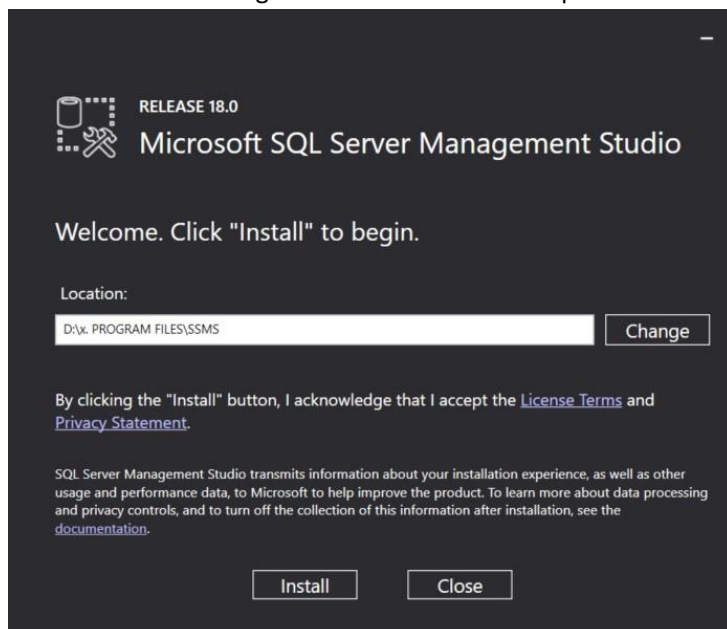
In this article

- 18.0 (GA), April 2019
- What's new in 18.0 (GA)
- Bug fixes in 18.0 (GA)
- Deprecated and removed features in 18.0 (GA)
- Previous SSMS releases
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- Uninstall and reinstall SSMS 17.x
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Is this page helpful?

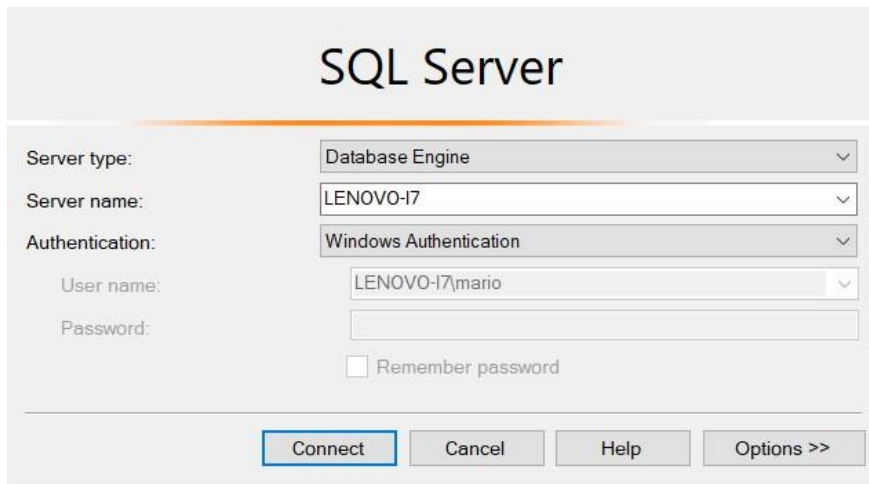
Stap 2.

Start de installatie en geef de installatie locatie op.



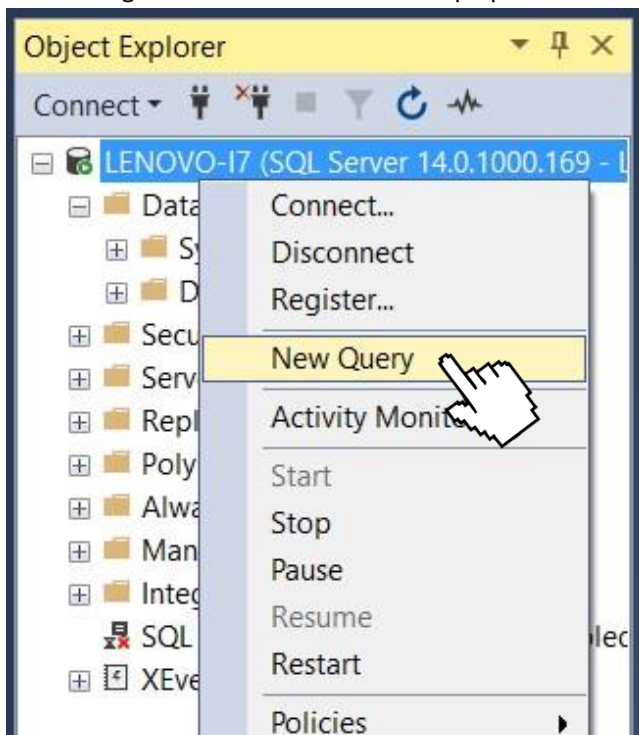
Stap 3.

Start nu het SSMS op, je ziet vervolgens deze pop-up:



Verander hieraan niks en klik simpelweg op connect. Hierdoor ben je verbonden met de database die je hebt geïnstalleerd.

Klik vervolgens met de rechter muisknop op de database en klik op New Query.



Voer vervolgens in dit veld de volgende Query in:

```
USE master
GO
IF NOT EXISTS (
    SELECT name
    FROM sys.databases
    WHERE name = N'ovDB'
)
CREATE DATABASE [ovDB]
GO
```

voer vervolgens deze query uit, deze maakt de tabellen Reiziger en OV_chipkaart aan.

```
CREATE TABLE Reiziger
(
    reizigerId INT NOT NULL PRIMARY KEY, -- primary
    key column voorletters [NVARCHAR](50) NOT NULL, tussenvoegsel
    [NVARCHAR](50),
    achternaam [NVARCHAR](50) NOT NULL,
    gebortedatum [DATE]
);
GO

CREATE TABLE OV_Chipkaart
(
    kaartnummer INT NOT NULL PRIMARY KEY, -- primary key column
    geldigtot [DATE] NOT NULL, klasse [INT] NOT NULL, saldo [FLOAT] NOT
    NULL, reizigerID [INT] NOT NULL
);
GO

ALTER TABLE OV_Chipkaart
ADD CONSTRAINT FK_ReizigerId
FOREIGN KEY (reizigerID)
REFERENCES Reiziger
(reizigerId)
ON DELETE CASCADE
ON UPDATE CASCADE
;
```


3. Java connectie

Via de volgende GIT link kan je ons project clonen.

<https://github.com/Jeffrey263/MicrosoftSQLdemo.git>

Als je het project hebt gecloned zou het direct moeten werken. Mocht je tegen het volgende probleem aanlopen:

The TCP/IP connection to the host localhost, port 1433 has failed.
Error: "Connection refused: connect. Verify the connection properties.
Make sure that an instance of SQL Server is running on the host and
accepting TCP/IP connections at the port. Make sure that TCP
connections to the port are not blocked by a firewall."

Dan kan je dit oplossen met de volgende twee links: <https://kb.sos-berlin.com/pages/viewpage.action?pageId=17499564>
<https://stackoverflow.com/questions/18981279/the-tcp-ip-connection-to-the-host-localhost-port-1433has-failed>