

Querying Data Using T-SQL

WHAT IS T-SQL?



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What is T-SQL?



Terminology and definitions

Architectural overview

Tools of the trade

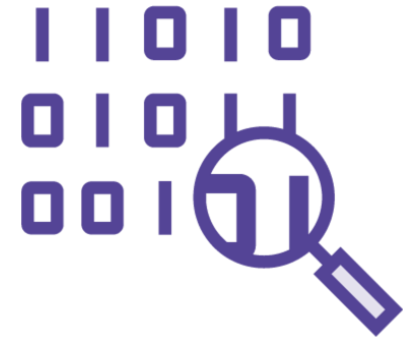
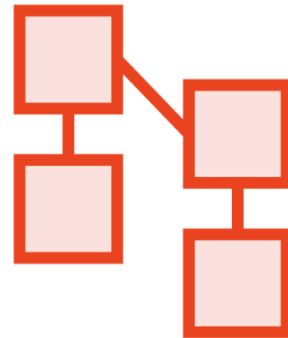


What is T-SQL?

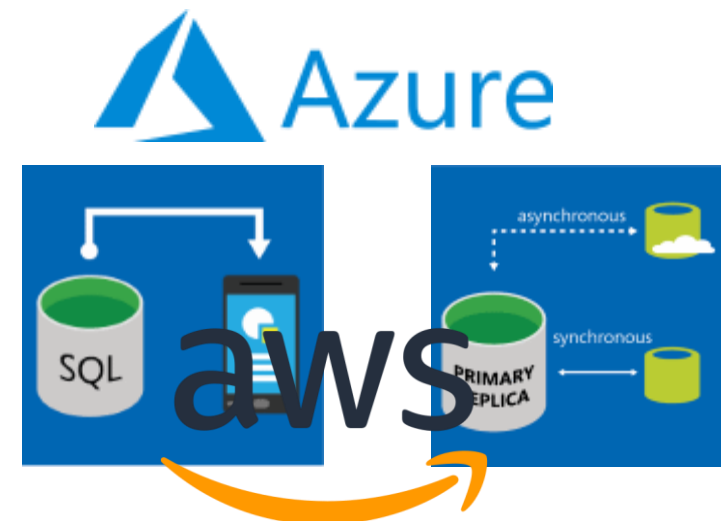
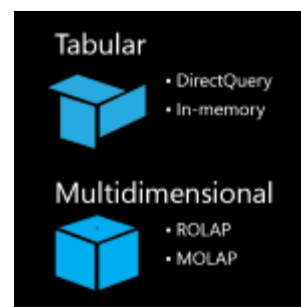
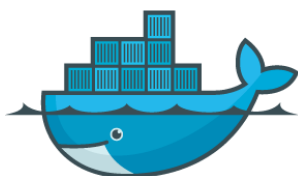
SQL



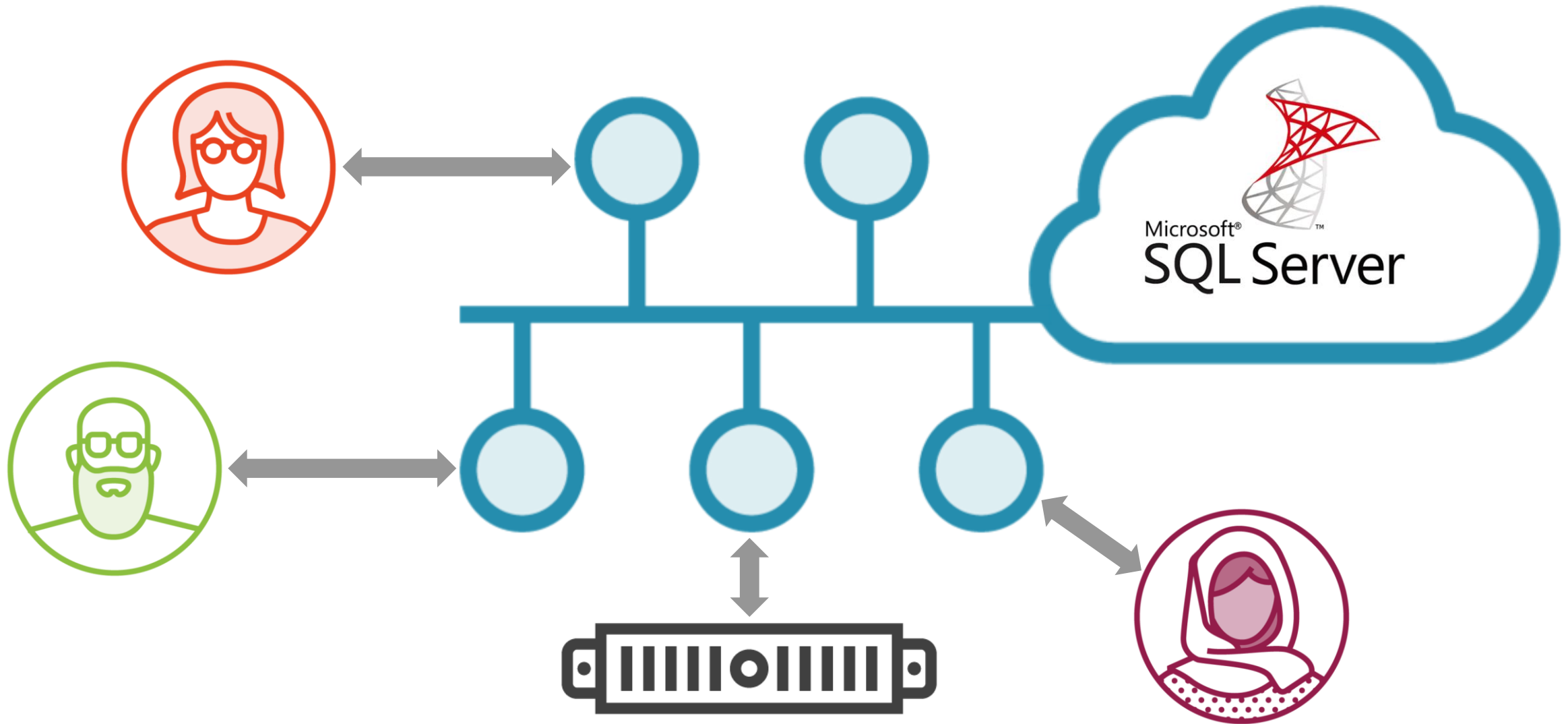
Transact SQL



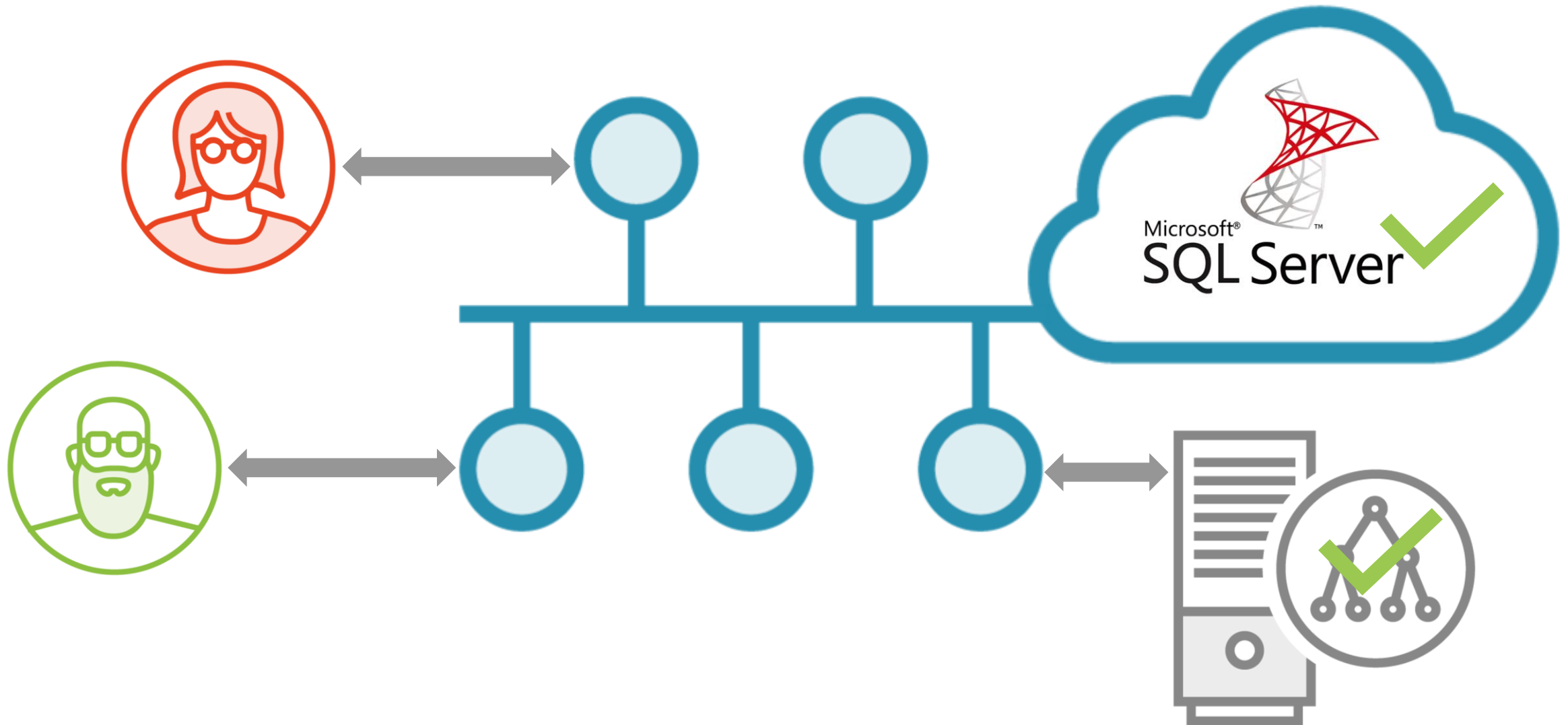
SQL Server Services



Talking to SQL Server



Authentication



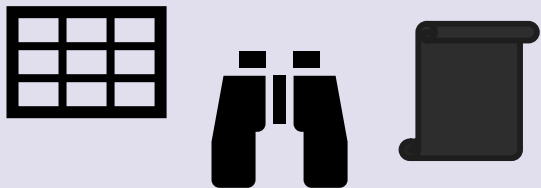
SQL Server Object Hierarchy

Operating System

SQL Server Instance

Database 1

Schema A



Schema B

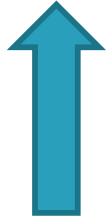


Schema C



Fully Qualified Object Names

Instance . Database . Schema . Object



Current
instance
connection



Current
session's
database
context



dbo or
explicit
default
schema

The Tools



SQL Server instance

www.microsoft.com/sql-server
azure.microsoft.com/services/sql-database



Client IDE

SQL Server Management Studio (SSMS)
Azure Data Studio



Online services

www.dbfiddle.uk
www.sqlfiddle.com



Course exercise files

Download from course page



Demo



Using SSMS



Review



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"The documentation
is your best friend"

<https://docs.microsoft.com/sql>

A note from your future self

