

Finding Performance Bottlenecks in SQL Server

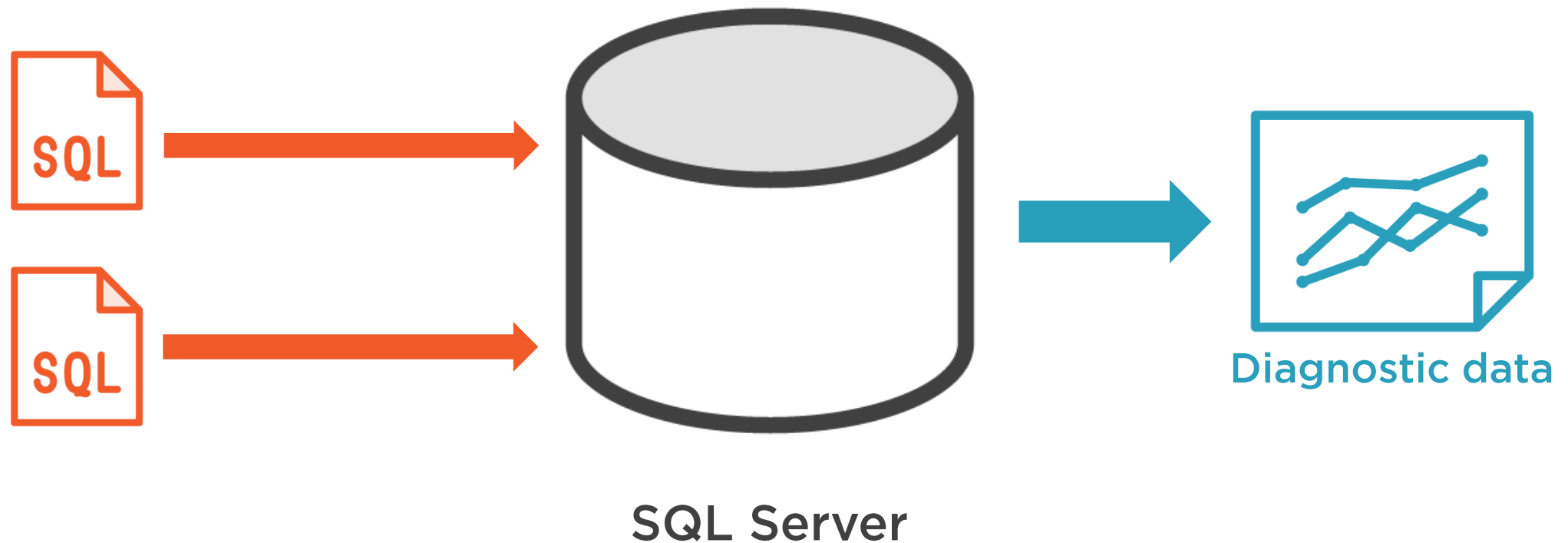


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SQL Server is Always Collecting Data



You don't need expensive tools,
you just need to know where to
look



Module Outline



Required permissions

Connection and session data

Currently executing SQL statements

Statement execution statistics

Missing index recommendations

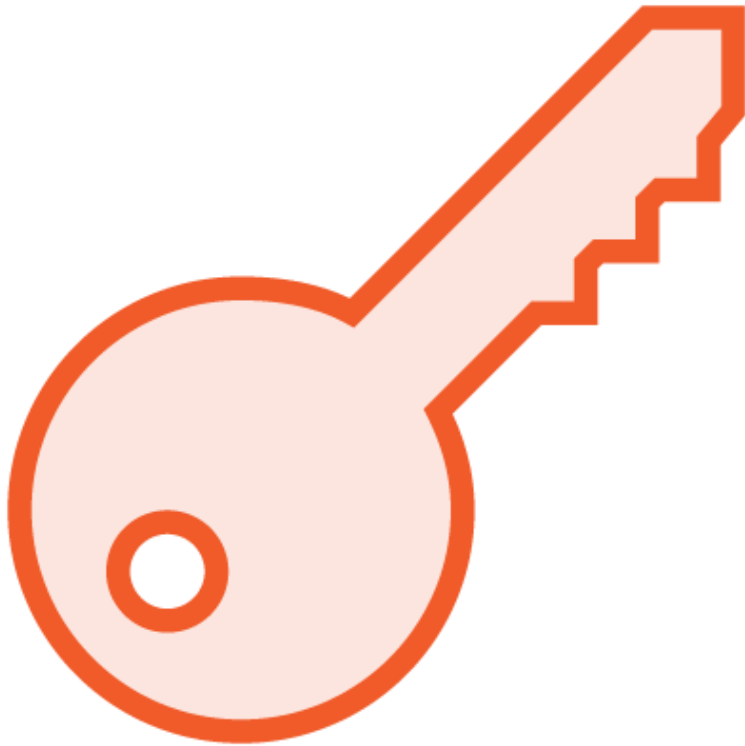
Index usage data



All queries in this module located at

<http://bit.ly/PluralsightCourseDmvQueries>





VIEW SERVER STATE privilege is required to access SQL Server DMVs

Some DBAs may be reluctant to grant this permission in production environments





Have someone with DBA access run queries for you

Have a DBA create views to expose specific information to non-DBA users



Including Application Name in a Connection String

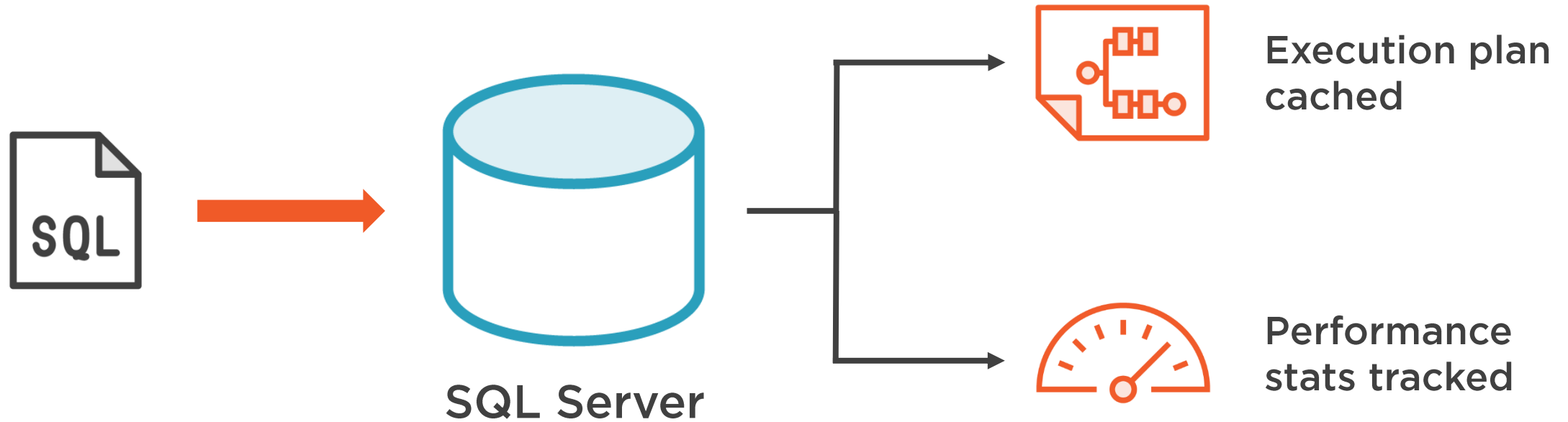
```
<add name="MyConnectionString"  
    connectionString="Server=localhost\squlexpress;  
    Database=<<database name>>;  
    User Id=<<username>>;Password=<<password>>;  
    Application Name=<<friendly application name>>;" />
```



Finding the Worst Performing Statements



When SQL Server Executes a Statement



Module Summary



Data available in Dynamic Management Views (DMVs)

Client sessions

Currently executing statements

Longest running/most expensive statements

Missing indexes

Current index usage

