SI database par opgave
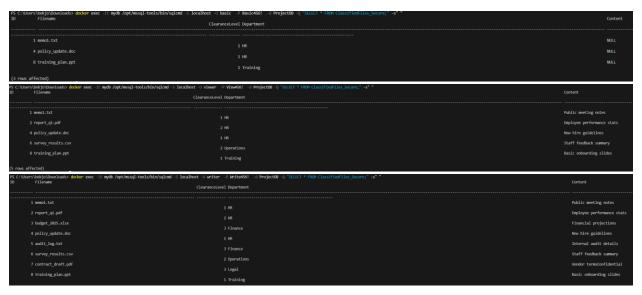
Hent docker img
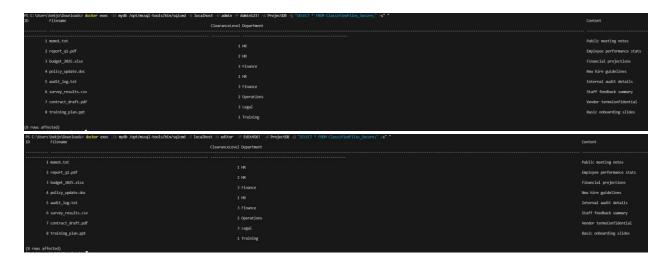
```
PS C:\Users\bekjo\Downloads> docker load -i mssql-snapshot.tar
Loaded image: mssql-snapshot:latest
```

Kør container

```
PS C:\Users\bekjo\Downloads> docker run --name mydb -p 1433:1433 -d mssql-snapshot
853c24cadedbccffd433fd04f38fa94ae6fc315e210e5beaf9365f10539bbd74
```

Select query på alle brugere

```
PS C:\Users\bekjo\Downloads> docker exec -it mydb /opt/mssql-tools/bin/sqlcmd -S localhost -U basic -P Basic456! -d ProjectDB -Q "SELECT * FROM ClassifiedFiles_Secure;" -s" "
ID      Filename                                                ClearanceLevel Department                                                                                          Content
------  --------------------------------------------------      -------------- -------------------------------------------------------------------------------------------        --------
     1 memo1.txt                                                            1 HR                                                                                                  NULL
     4 policy_update.doc                                                    1 HR                                                                                                  NULL
     8 training_plan.ppt                                                    1 Training                                                                                            NULL

(3 rows affected)
```

```
PS C:\Users\bekjo\Downloads> docker exec -it mydb /opt/mssql-tools/bin/sqlcmd -S localhost -U viewer -P View456! -d ProjectDB -Q "SELECT * FROM ClassifiedFiles_Secure;" -s" "
ID      Filename                                                ClearanceLevel Department                                                                                          Content
------  --------------------------------------------------      -------------- -------------------------------------------------------------------------------------------        --------
     1 memo1.txt                                                            1 HR                                                                                                  Public meeting notes
     2 report_q1.pdf                                                        2 HR                                                                                                  Employee performance stats
     4 policy_update.doc                                                    1 HR                                                                                                  New hire guidelines
     6 survey_results.csv                                                   2 Operations                                                                                          Staff feedback summary
     8 training_plan.ppt                                                    1 Training                                                                                            Basic onboarding slides

(5 rows affected)
```

```
PS C:\Users\bekjo\Downloads> docker exec -it mydb /opt/mssql-tools/bin/sqlcmd -S localhost -U writer -P Write456! -d ProjectDB -Q "SELECT * FROM ClassifiedFiles_Secure;" -s" "
ID      Filename                                                ClearanceLevel Department                                                                                          Content
------  --------------------------------------------------      -------------- -------------------------------------------------------------------------------------------        --------
     1 memo1.txt                                                            1 HR                                                                                                  Public meeting notes
     2 report_q1.pdf                                                        2 HR                                                                                                  Employee performance stats
     3 budget_2025.xlsx                                                     3 Finance                                                                                             Financial projections
     4 policy_update.doc                                                    1 HR                                                                                                  New hire guidelines
     5 audit_log.txt                                                        3 Finance                                                                                             Internal audit details
     6 survey_results.csv                                                   2 Operations                                                                                          Staff feedback summary
     7 contract_draft.pdf                                                   3 Legal                                                                                               Vendor termsConfidential
     8 training_plan.ppt                                                    1 Training                                                                                            Basic onboarding slides
```

```
PS C:\Users\bekjo\Downloads> docker exec -it mydb /opt/mssql-tools/bin/sqlcmd -S localhost -U admin -P Admin123! -d ProjectDB -Q "SELECT * FROM ClassifiedFiles_Secure;" -s" "
ID      Filename                                                            ClearanceLevel Department                                                                                                    Content
------- --------------------------------------------------------------     -------------- ----------------------------------------------------------------------------------------------------------     ------------------------------
      1 memo1.txt                                                           1 HR                                                                                                                          Public meeting notes
      2 report_q1.pdf                                                       2 HR                                                                                                                          Employee performance stats
      3 budget_2025.xlsx                                                    3 Finance                                                                                                                     Financial projections
      4 policy_update.doc                                                   1 HR                                                                                                                          New hire guidelines
      5 audit_log.txt                                                       3 Finance                                                                                                                     Internal audit details
      6 survey_results.csv                                                  2 Operations                                                                                                                  Staff feedback summary
      7 contract_draft.pdf                                                  3 Legal                                                                                                                       Vendor termsConfidential
      8 training_plan.ppt                                                   1 Training                                                                                                                    Basic onboarding slides

(8 rows affected)
PS C:\Users\bekjo\Downloads> docker exec -it mydb /opt/mssql-tools/bin/sqlcmd -S localhost -U editor -P Edit456! -d ProjectDB -Q "SELECT * FROM ClassifiedFiles_Secure;" -s" "
ID      Filename                                                            ClearanceLevel Department                                                                                                    Content
------- --------------------------------------------------------------     -------------- ----------------------------------------------------------------------------------------------------------     ------------------------------
      1 memo1.txt                                                           1 HR                                                                                                                          Public meeting notes
      2 report_q1.pdf                                                       2 HR                                                                                                                          Employee performance stats
      3 budget_2025.xlsx                                                    3 Finance                                                                                                                     Financial projections
      4 policy_update.doc                                                   1 HR                                                                                                                          New hire guidelines
      5 audit_log.txt                                                       3 Finance                                                                                                                     Internal audit details
      6 survey_results.csv                                                  2 Operations                                                                                                                  Staff feedback summary
      7 contract_draft.pdf                                                  3 Legal                                                                                                                       Vendor termsConfidential
      8 training_plan.ppt                                                   1 Training                                                                                                                    Basic onboarding slides

(8 rows affected)
```

Fejl i dokumentation: forkert password

```
PS C:\Users\bekjo\Downloads> docker exec -it mydb /opt/mssql-tools/bin/sqlcmd -S localhost -U writer -P Edit456! -d ProjectDB -Q "INSERT INTO ClassifiedFiles (Filename, Content, ClearanceLevel, Department) VALUES ('test_file.txt', 'Test content', 1, 'TestDept'); SELECT * FROM ClassifiedFiles_Secure;" -s" " -W
Sqlcmd: Error: Microsoft ODBC Driver 17 for SQL Server : Login failed for user 'writer'..
```

```
PS C:\Users\bekjo\Downloads> docker exec -it mydb /opt/mssql-tools/bin/sqlcmd -S localhost -U writer -P "Edit456!" -d ProjectDB -Q "DELETE FROM ClassifiedFiles WHERE ID = 1;"
Sqlcmd: Error: Microsoft ODBC Driver 17 for SQL Server : Login failed for user 'writer'..
```

```
PS C:\Users\bekjo\Downloads> docker exec -it mydb /opt/mssql-tools/bin/sqlcmd -S localhost -U editor -P "Cell456!" -d ProjectDB -Q "UPDATE ClassifiedFiles SET Content = 'Updated note' WHERE ID = 1; SELECT * FROM ClassifiedFiles_Secure;" -s" " -W
Sqlcmd: Error: Microsoft ODBC Driver 17 for SQL Server : Login failed for user 'editor'..
```

Basic bruger prøver at tilføje en fil

```
PS C:\Users\bekjo\Downloads> docker exec -it mydb /opt/mssql-tools/bin/sqlcmd -S localhost -U basic -P "Basic456!" -d ProjectDB -Q "INSERT INTO ClassifiedFiles (Filename, Content, ClearanceLevel, Department) VALUES ('test_file.txt', 'Test content', 1, 'TestDept');"
Msg 229, Level 14, State 5, Server buildkitsandbox, Line 1
The INSERT permission was denied on the object 'ClassifiedFiles', database 'ProjectDB', schema 'dbo'.
```

Admin bruger sletter en fil

```
PS C:\Users\bekjo\Downloads> docker exec -it mydb /opt/mssql-tools/bin/sqlcmd -S localhost -U admin -P "Admin123!" -d ProjectDB -Q "DELETE FROM ClassifiedFiles WHERE ID = 1; SELECT * FROM ClassifiedFiles_Secure;" -s" " -W

(1 rows affected)
ID Filename Content ClearanceLevel Department
-- -------- ------- -------------- ----------
2 report_q1.pdf Employee performance stats 2 HR
3 budget_2025.xlsx Financial projections 3 Finance
4 policy_update.doc New hire guidelines 1 HR
5 audit_log.txt Internal audit details 3 Finance
6 survey_results.csv Staff feedback summary 2 Operations
7 contract_draft.pdf Vendor termsConfidential 3 Legal
8 training_plan.ppt Basic onboarding slides 1 Training

(7 rows affected)
```