

Example policies for cdb_medical in agile-db:

example/policies/example_db.json¹

```
database:  cdb_medical

read:
    owner (default: agile)  +1
    doctor                  +1

write:
    doctor                  +1
```

Policy tests:

```
Own - read:  m_i:ok
Doc - read:  m_i: ok
Doc - write: m_i-id:ok

Par - read:  p_d:nok
Par - read:  h_d:nok
Own - write: p_d-id:nok
```

example/policies/example_db-tables.json²

```
database:  cdb_medical
table:     patient_data

read:
    owner (default: agile)  ●1
    doctor                  ●1
    paramedic               +2

write:
    doctor                  ●1
    owner (default: agile) +2

database:  cdb_medical
table:     history_data

read:
    owner (default: agile)  ●1
    doctor                  ●1
    paramedic               +2

write:
    doctor                  ●1
```

Policy tests:

```
Own - read:  p_d:ok
Doc - read:  p_d: ok
Par - read:  p_d: ok
Doc - write: p_d-id:ok
Own - write: p_d-id:ok

Own - read:  h_d:ok
Doc - read:  h_d: ok
Par - read:  h_d: ok
Doc - write: h_d-e_a:ok

Par - write: p_d:nok
Par - write: h_d-e_a:nok
```

example/policies/example_db-columns.json³

```
database:  cdb_medical
table:     history_data
column:    excessive_alcohol

read:
    owner (default: agile)  ●1
    doctor                  ●1
    paramedic               ●2

write:
    doctor                  ●1
    paramedic               +3
```

Policy tests:

```
Own - read:  h_d-e_a:ok
Doc - read:  h_d-e_a:ok
Par - read:  h_d-e_a:ok
Doc - write: h_d-e_a:ok
Own - write: h_d-e_a:ok

Own - write: h_d-e_a:nok
```

Policies are inherited, starting with the evaluation of policies for a database, followed by policies for a database table and finally by policies for a database column.

- inherited policy
- + added policy

```
h_d: history_data
p_d: patient_data
m_e: medical_information
e_a: excessive_alcohol
```