

Tabelle1

Example policies for cdb_medical in agile-db:

example/policies/example_db.json¹

```
database:  cdb_medical      +1

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

write:     doctor          +1
```

example/policies/example_db-tables.json²

```
database:  cdb_medical
table:     patient_data

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

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
```

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
```

Positive policy tests:

```
read:  Own-read: m_i:    ok  ●1
        Own-read: p_d:    ok  ●1
        Own-read: h_d:    ok  ●1
        Own-read: h_d.e_a: ok  ●1
```

```
Doc-read: m_i:    ok  ●1
Doc-read: p_d:    ok  ●1
Doc-read: h_d:    ok  ●1
Doc-read: h_d.e_a: ok  ●1
```

```
Par-read: h_d:    ok  ●2
Par-read: h_d.e_a: ok  ●2
```

```
write: Own-write: p_d.id: ok  ●2
        Doc-write: m_i.id: ok  ●1
        Doc-write: p_d.id: ok  ●1
        Doc-write: h_d.e_a: ok  ●1
        Par-write: h_d.e_a: ok  ●3
```

Per default policy configuration, only the owner would be able to read and write to a database related entity.

Negative policy tests:

```
read:  Par-read: p_d:    nok  ●Def
```

```
write: Own-write: h_d.e_a: nok  ●3
        Par-write: p_d.id:  nok  ●Def
```

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. All other properties correspond to the default policy configurations: ●^{Def}

- inherited policy
- + added policy

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