```mermaid
flowchart

Permission Request --> Solution Owner Approval

Solution Owner Approval --> DB Host
Solution Owner Approval --> DB Instance
Solution Owner Approval --> DB
Solution Owner Approval --> DB Schema
Solution Owner Approval --> DB Object
Solution Owner Approval --> Application

DB Host --> Workflow: VM Access Request [IT Systems]
DB Instance --> Workflow: DBMS Access Request [DBA]
DB --> Workflow: Database Access Request [DBA]
DB Schema --> Workflow: DB Schema Access Request [DBA] *To be defined
DB Object --> Workflow: DB Object Access Request [DBA] *To be defined
Application --> Workflow: Application Access Request

DB Host -- NO Inheritance --> DB Instance
DB Instance -- Inheritance --> DB
DB -- Inheritance --> DB Schema
DB Schema -- Inheritance --> DB Object
```

Permission Request → **Solution Owner Approval**

- **DB Host** → **Workflow: VM Access Request** — IT Systems
- ❗ **NO** Inheritance ❗
- **DB Instance** → **Workflow: DBMS Access Request** — DBA
- Inheritance
- **DB** → **Workflow: Database Access Request** — DBA
- Inheritance
- **DB Schema** → **Workflow: DB Schema Access Request** — DBA — *To be defined*
- Inheritance
- **DB Object** → **Workflow: DB Object Access Request** — DBA — *To be defined*

Application → **Workflow: Application Access Request**

Cyber?
Solution Owner?
Solution Admin?

```
Permission          Solution Owner          Workflow:
Request      →      Approval         →      DBMS Access
                                            Request
                                               │
                                               ▼
                        Account      YES    List of           Apply
            ┌──────────  Present?  ───────→  Server    ───→  Permissions  ───→  Customer
            │                               Roles                              Verification
            │              │                                                        ▲
            │              │ NO                                                      │
            │              ▼                                                         │
            │           Windows      NO    Create SQL                               │
            │           Account?   ───────→ Authenticated                           │
            │              │               Account                                  │
            │              │                   │                                     │
            │              │ YES                                                     │
            │              ▼                                                         │
    Workflow: AD /      Account      YES    List of           Apply                 │
    Entra Account / ←──  Exists?  ───────→  Server    ───→  Permissions ────────────┘
    Group Creation   NO                     Roles
    Request
```

```
Permission
Request  →  Solution Owner
            Approval  →  Workflow:
                        Database Access
                        Request  →  "Default"
                                    AD Group?  --YES-->  Group Membership Edits
                                                         performed by IT
                                                         Systems / Cyber
                                                         *NO DBA ACTION
                                                         REQUIRED*  →  Customer
                                                                       Verification
```

See legend below

NO ↓

User
Present? --YES--> List of
                    DB
                    Roles → Apply
                              Permissions

See legend below

NO ↓

Account
Exists? --YES--> Add user

Account
Type ←--NO-- Account Exists?

--AD--> Workflow: AD /
         Entra Account /
         Group Creation
         Request

--SQL--> Workflow:
          DBMS Access
          Request