DIT tree (left panel)

- DIT
  - Root DSE (11)
    - o=jans (20)
      - ou=authorizations
      - ou=ciba
      - ou=metric
      - ou=resetPasswordRequests
      - ou=sessions
      - ou=stat
      - ou=tokens
      - ou=trustRelationships
      - ou=attributes (78)
      - ou=cache
      - ou=clients (7)
        - inum=1001.d24cb299-dbf6-4554-ba48-9d7273d4
        - inum=1201.608b1893-0bd2-4cc2-bee6-5511b24
        - inum=1202.6f8cdb8c-3520-4ff4-bbed-53b3e50b1
        - inum=1801.6fd2a52b-0494-468a-965c-59216c6d
        - inum=3E20
        - inum=AB77-1A2B
        - inum=FF81-2D39
      - ou=configuration
      - ou=groups
      - ou=people (22)
        - inum=B1F3-AEAE-B798
        - inum=B1F3-AEAE-B799
        - inum=e4f16a90-91bd-4551-a5e8-acf2b15c909a
      - ou=push (2)
      - ou=scopes (50)
      - ou=scripts (36)
      - ou=sector_identifiers
      - ou=u2f
      - ou=uma (2)
        - ou=pct
        - ou=resources (105)
          - [1...100]
            - jansId=0089dede-3681-4320-b33b-69bd08
            - jansId=00ae85fb-57dc-4d43-81bc-d640e0a
            - jansId=013f3a07-f679-4e08-8847-e10ac362
    - o=metric (1)
      - ou=statistic (1)
    - o=site (1)

Convert object classes to tables

Table name = objectClass name			
doc_id	e4f16a90-91bd-4551-a5e8-acf2b15c909a	Last RDN value	VARCHAR(48) Primary key, Not null, Unique
objectClass	jansPerson	Last objectClass	VARCHAR(48)
dn	inum=e4f16a90-91bd-4551-a5e8-acf2b15c909a,ou=people,o=jans	LDAP DN	VARCHAR(128)
attr1 (from OC)	attr1 value	Attribute value	
attr2 (from OC)	attr2 value		
...			

Convert attributes based on these rules

Schema type	SQL Type	
1.3.6.1.4.1.1466.115.121.1.7	Boolean syntax	TINYINT
1.3.6.1.4.1.1466.115.121.1.12	Distinguished name syntax	TINYTEXT
1.3.6.1.4.1.1466.115.121.1.15	Directory string syntax	VARCHAR(127) / TINYTEXT / TEXT / Type from schema if defined
1.3.6.1.4.1.1466.115.121.1.24	Generalized Time syntax	DATETIME(3)
1.3.6.1.4.1.1466.115.121.1.27	Integer syntax	INT
Each type above with multivalued=true	json	Store values as JSON types in JSON array

Extended rules to specify required type

```
{
    "desc": "jans user id",
    "equality": "caseIgnoreMatch",
    "names": [
      "jansUsrId",
      "usrId"
    ],
    "oid": "jansAttr",
    "substr": "caseIgnoreSubstringsMatch",
    "syntax": "1.3.6.1.4.1.1466.115.121.1.15",
    "x_origin": "Jans created attribute",
    "db_data_type": {"db" : "mysql", "type" : "VARCHAR", "size" : 47}
  },
```

Extended rules to convert Directory Strings

1. Default string size is 47.
2. Override string size with size from "db_data_type" if exists.

3. Use VARCHAR(size) if length <= 127
4. Use TINYTEXT if 128 < length <= 255
5. Use TEXT if length > 255

Case when attribute defined in system schema

```
{
    "names": [
     "userPassword"
    ],
    "syntax": "1.3.6.1.4.1.1466.115.121.1.15",
    "x_origin": "Jans created attribute",
    "db_data_type": {"db" : "mysql", "type" : "VARCHAR", "size" : 63}
  },
```