

# Unix System Administration

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# LDAP Object Classes

- Are the backbone of any LDAP entry
- Are defined within LDAP schema files
  - Under Ubuntu, they live in `/etc/ldap/schema`
- Contain required (must) & optional (may) fields
- `posixAccount`, `shadowAccount`, `posixGroup`
  - In `/etc/ldap/schema/nis.schema`
  - Common object classes for unix account info
  - Attributes belong to an object class
- Many other schemas available
  - `person`, `InetOrgPerson`, `ipHost`, `ipNetwork`, etc

# Building an LDAP Database

- By far the hardest thing to do
  - Followed by authenticating to one
- High-level steps:
  - Define a database (suffix) and where the files live
  - Set default hashing function for passwords
  - Set access control for that database
  - Set which attributes to index (make searchable)
  - Set 'root' (fully-privileged) user for database
  - Enable security using SSL (optional, but highly recommended)