

Security

Security checklist for users connected to database

Authorization and
Authentication


Transcript Encryption

Encryption at rest

Auditing

Backup and software
updates


Security checklist



Enrolled for this
course, can access
course contents

Authentication

Identifies valid users of
database

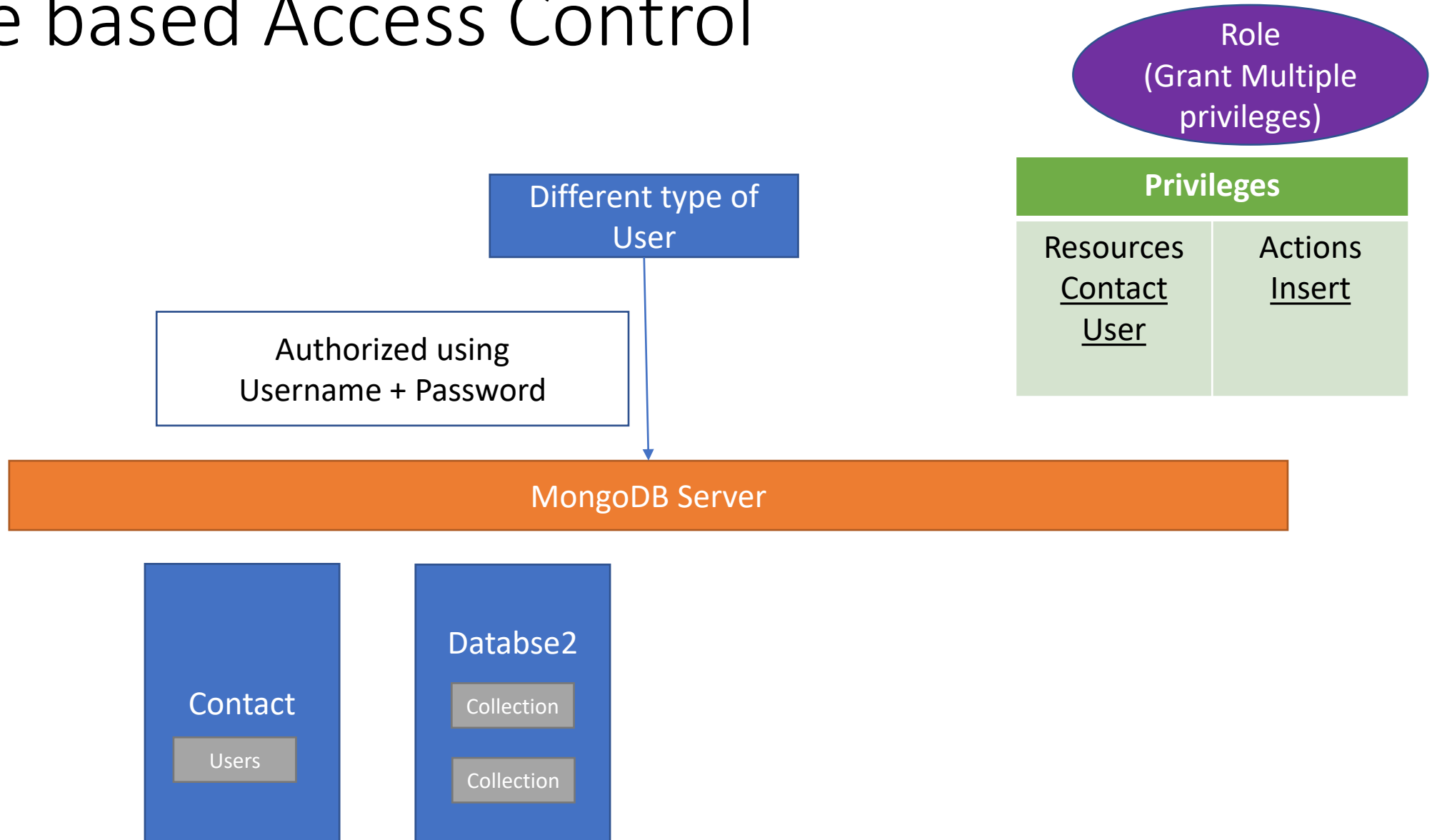


Enrolled for this
course, but can not
update anything

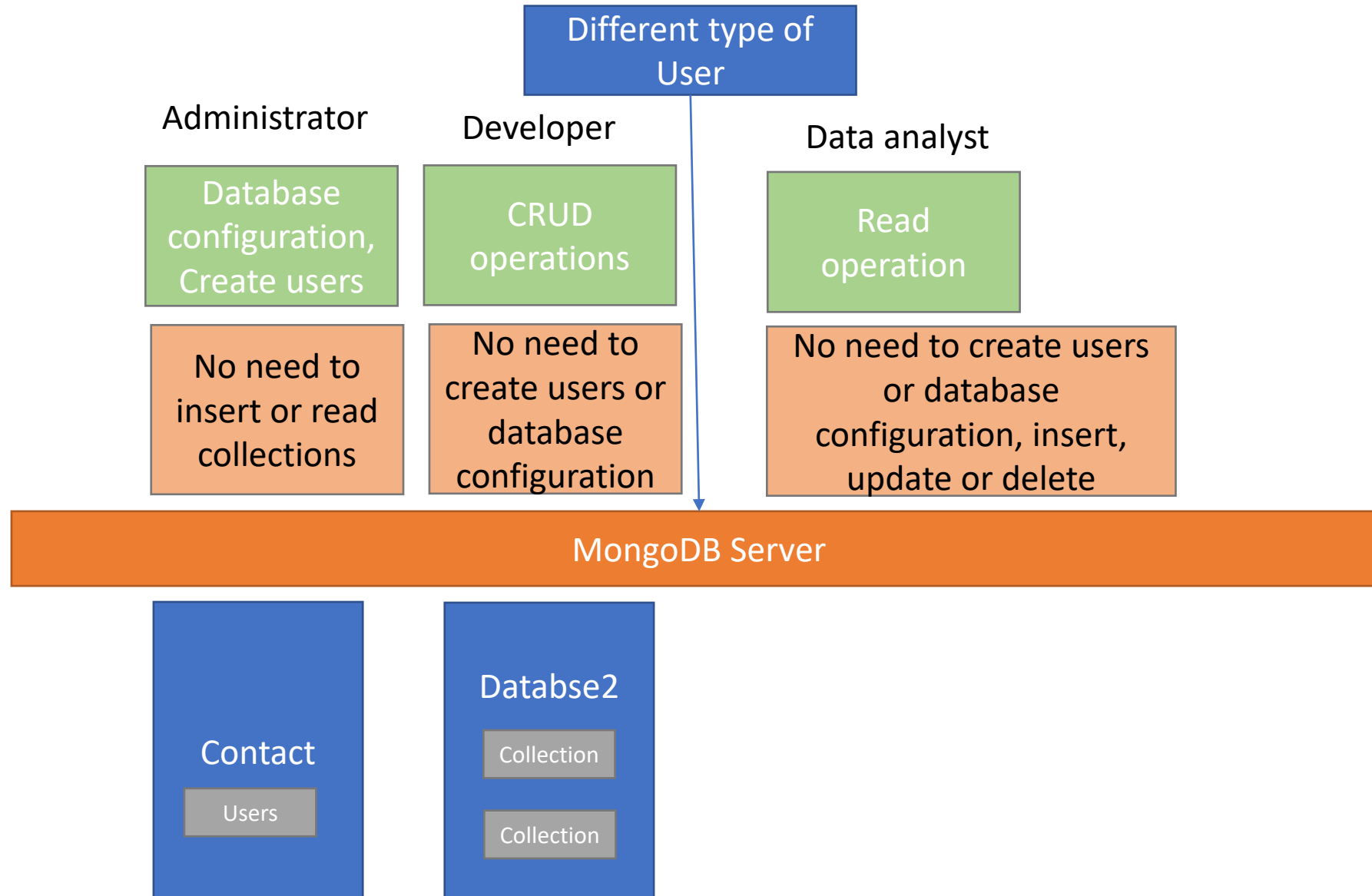
Authorization

Identifies what these users can
actually do

Role based Access Control



Role based Access Control



- `db.getUsers();`---displays all the users and their roles and privileges
- `db.getUser("Client1")`—displays information about a particular user
- Show dbs;
- Show users;
- Show roles;
- Use admin;
- `db.createUser({user:"myuser",pwd:"myuser",roles:[{role:"userAdminAnyDatabase",db:"admin"},"readWriteAnyDatabase"]});`
- Ctrl+d to close mongo shell
- Ctrl+c to close mongo server
- Access Control Mode
 - `Mongod -auth -dbpath "C:\Program Files\MongoDB\Server\4.4\data"`
- `mongo -u "myuser" -p "myuser" --authenticationDatabase "admin"`

- `db.createUser({user:"client1",pwd:"client1",roles:["userAdminAnyDatabase"]})`
- `db.createUser({user:"client2",pwd:"client2",roles:["readwrite"]})`
- `db.auth('client1','client1')` if shell is already running
- Else to start a new shell

`Mongo -u 'client1' -p 'client1'`