

Prerequisites

Required Access You must have the `createUser` (page 420) *action* (page 419) on a database to create a new user on that database.

You must have the `grantRole` (page 420) *action* (page 419) on a role's database to grant the role to another user.

If you have the `userAdmin` (page 407) or `userAdminAnyDatabase` (page 412) role, you have those actions.

First User Restrictions If your MongoDB deployment has no users, you *must* connect to `mongod` using the *localhost exception* (page 324) or use the `--noauth` option when starting `mongod` to gain full access the system. Once you have access, you can skip to *Creating the system user administrator* in this procedure.

If users exist in the MongoDB database, but none of them has the appropriate prerequisites to create a new user or you do not have access to them, you *must* restart `mongod` with the `--noauth` option.

Procedure

Step 1: Connect to MongoDB with the appropriate privileges. Connect to `mongod` or `mongos` either through the *localhost exception* (page 324) or as a user with the privileges indicated in the prerequisites section.

In the following example, `manager` has the required privileges specified in *Prerequisites* (page 385).

```
mongo --port 27017 -u manager -p 123456 --authenticationDatabase admin
```

Step 2: Create the system user administrator. Add the user with the `userAdminAnyDatabase` (page 412) role, and only that role.

The following example creates the user `siteUserAdmin` user on the `admin` database:

```
use admin
db.createUser(
  {
    user: "siteUserAdmin",
    pwd: "password",
    roles: [ { role: "userAdminAnyDatabase", db: "admin" } ]
  }
)
```

Step 3: Create a user administrator for a single database. Optionally, you may want to create user administrators that only have access to administer users in a specific database by way of the `userAdmin` (page 407) role.

The following example creates the user `recordsUserAdmin` on the `records` database:

```
use records
db.createUser(
  {
    user: "recordsUserAdmin",
    pwd: "password",
    roles: [ { role: "userAdmin", db: "records" } ]
  }
)
```