

Chapter 2: Authorization and Encryption

Homework 2.3 : Create custom role

Problem:

MongoDB comes with a set of built-in roles that cover the vast majority of user needs. MongoDB also allows us to define our own roles. This can come in handy when the built-in roles don't meet a specific requirement of our users or applications.

In this homework you're going to define a series of custom roles. For the sake of simplicity in this homework there's no need to create a replica set. Just start a standalone **mongod** on port **31230**. Once connected create the following custom roles:

Role name	Privileges
HRDEPARTMENT	<ul style="list-style-type: none">• Can find documents on any collection on the HR database• Can insert documents only on HR.employees collection• Can remove users from the HR database
MANAGEMENT	<ul style="list-style-type: none">• Inherits the dbOwner role of the HR database
EMPLOYEEPORTAL	<ul style="list-style-type: none">• Can find documents on HR.employees collection• Can update HR.employees documents

When building these custom roles you should create privilege documents for each of these requirements (instead of inheriting a role) unless specified. You should also "merge" as many privileges together when defining your privilege documents. In other words, if the same resource document can have multiple actions you should group them into one privilege document instead of multiple.

After you've created your user-defined roles you can run the validation script and copy the output into the submission area below.

 COPY

```
$ cd ~/shared
$ ./validate-hw-2.3.sh
```

Attempts Remaining: **Correct Answer**   

Enter answer here:

```
[{"role":"EMPLOYEEPORTAL","inheritedRoles":[],"privileges":[{"resource":
{"db":"HR","collection":"employees"},"actions":["find","update"]}]}],
{"role":"HRDEPARTMENT","inheritedRoles":[],"privileges":[{"resource":
{"db":"HR","collection":""},"actions":["dropUser","find"]}, {"resource":
{"db":"HR","collection":"employees"},"actions":["insert"]}]}],
{"role":"MANAGEMENT","inheritedRoles":
[{"role":"dbOwner","db":"HR"}],"privileges":[]}]
```

Correct!

[See detailed answer](#)

[Proceed to next section](#)

Assignment is Due

01d:02hr:10m


24 gru, 17:00 UTC

Your Grade

PASS/FAIL

Submitted

Download Handouts

 [m310-hw-2.3.zip](#)