

For a user-defined role scoped for a non-admin database, the resource specification for its privileges must specify the same database as the role. User-defined roles scoped for the `admin` database can specify other databases.

Specify a Database as Resource If only the `collection` field is an empty string (`" "`), the resource is the specified database, excluding the *system collections* (page 291). For example, the following resource document specifies the resource of the `test` database, excluding the system collections:

```
{ db: "test", collection: " " }
```

For a user-defined role scoped for a non-admin database, the resource specification for its privileges must specify the same database as the role. User-defined roles scoped for the `admin` database can specify other databases.

Note: When you specify a database as the resource, system collections are excluded, unless you name them explicitly, as in the following:

```
{ db: "test", collection: "system.js" }
```

System collections include but are not limited to the following:

- `<database>.system.profile` (page 291)
 - `<database>.system.js` (page 291)
 - *system.users Collection* (page 416) in the `admin` database
 - *system.roles Collection* (page 413) in the `admin` database
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Specify Collections Across Databases as Resource If only the `db` field is an empty string (`" "`), the resource is all collections with the specified name across all databases. For example, the following document specifies the resource of all the `accounts` collections across all the databases:

```
{ db: " ", collection: "accounts" }
```

For user-defined roles, only roles scoped for the `admin` database can have this resource specification for their privileges.

Specify All Non-System Collections in All Databases If both the `db` and `collection` fields are empty strings (`" "`), the resource is all collections, excluding the *system collections* (page 291), in all the databases:

```
{ db: " ", collection: " " }
```

For user-defined roles, only roles scoped for the `admin` database can have this resource specification for their privileges.

Cluster Resource

To specify the cluster as the resource, use the following syntax:

```
{ cluster : true }
```

Use the `cluster` resource for actions that affect the state of the system rather than act on specific set of databases or collections. Examples of such actions are `shutdown`, `replSetReconfig`, and `addShard`. For example, the following document grants the action `shutdown` on the cluster.

```
{ resource: { cluster : true }, actions: [ "shutdown" ] }
```