



UNIVERSIDAD TECNOLÓGICA DE SAN LUIS RIO COLORADO

monGOD guía

Copias de seguridad

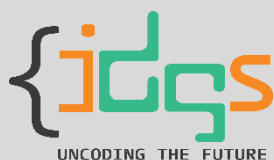
MTRA. JULIA HELIZABETH GARCIA HERRERA

ALUMNO: VICTOR MANUEL GALVAN COVARRUBIAS

ING. EN DESARROLLO Y GESTIÓN DE SOFTWARE

San Luis Río Colorado, Sonora

Junio, 2022



A continuación, se dará una breve explicación de cómo realizar la creación de una base de datos junto con sus inserciones de datos a sus colecciones en MongoDB, así como también el cómo realizar copias de seguridad específicas.

```

Microsoft Windows [Versión 10.0.19044.1766]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\acer>mongo
MongoDB shell version v5.0.9
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("6f7a96cc-d2a5-4d5a-81f1-f1698d236b5c") }
MongoDB server version: 5.0.9

Warning: the "mongo" shell has been superseded by "mongosh",
which delivers improved usability and compatibility. The "mongo" shell has been deprecated and will be re
moved in
an upcoming release.
For installation instructions, see
https://docs.mongodb.com/mongodb-shell/install/

The server generated these startup warnings when booting:
2022-06-26T14:09:54.173-07:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
Access to data and configuration is unrestricted

Enable MongoDB's free cloud-based monitoring service, which will then receive
metrics about your deployment (disk utilization, CPU, operation statistics)
The monitoring data will be available on a MongoDB website with a unique
URL and anyone you share the URL with. MongoDB may use this information to
improve its products and services, and to suggest MongoDB products and deployment options to you.
To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()

-----
{"t":{"$date":"2022-06-27T00:47:51.754-07:00"},"s":"I", "c":"CONTROL", "id":22120, "ctx":"initandlisten","msg":"Acces
s control is not enabled for the database. Read and write access to data and configuration is unrestricted","tags":["st
artupWarnings"]}
{"t":{"$date":"2022-06-27T00:47:51.756-07:00"},"s":"I", "c":"CONTROL", "id":22140, "ctx":"initandlisten","msg":"This
server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --bind_ip
<address> to specify which IP addresses it should serve responses from, or with --bind_ip_all to bind to all interfaces.
If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning","tags":["startupWarning"]}
{"t":{"$date":"2022-06-27T00:47:51.761-07:00"},"s":"I", "c":"NETWORK", "id":4915702, "ctx":"initandlisten","msg":"Upda
ted wire specification","attr":{"oldSpec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":13},"incomingIn
ternalClient":{"minWireVersion":0,"maxWireVersion":13},"outgoing":{"minWireVersion":0,"maxWireVersion":13},"isInternalCl
ient":true},"newSpec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":13},"incomingInternalClient":{"minW
ireVersion":13,"maxWireVersion":13},"outgoing":{"minWireVersion":13,"maxWireVersion":13},"isInternalClient":true}}}
{"t":{"$date":"2022-06-27T00:47:51.762-07:00"},"s":"I", "c":"STORAGE", "id":5671100, "ctx":"initandlisten","msg":"Clea
ring temp directory"}
{"t":{"$date":"2022-06-27T00:47:51.763-07:00"},"s":"I", "c":"CONTROL", "id":20536, "ctx":"initandlisten","msg":"Flow
Control is enabled on this deployment"}
{"t":{"$date":"2022-06-27T00:47:52.473-07:00"},"s":"W", "c":"FTDC", "id":23718, "ctx":"initandlisten","msg":"Fail
ed to initialize Performance Counters for FTDC","attr":{"error":{"code":179,"codeName":"WindowsPdhError"},"errmsg":"PdHAd
dEnglishCounter failed with 'El objeto especificado no se encontró en el equipo.'"}}}
{"t":{"$date":"2022-06-27T00:47:52.474-07:00"},"s":"I", "c":"FTDC", "id":20629, "ctx":"initandlisten","msg":"Init
ializing full-time diagnostic data capture","attr":{"dataDirectory":"C:/data/db/diagnostic.data"}}
{"t":{"$date":"2022-06-27T00:47:52.480-07:00"},"s":"I", "c":"REPL", "id":6615317, "ctx":"initandlisten","msg":"Sett
ing new configuration state","attr":{"newState":"ConfigReplicationDisabled","oldState":"ConfigPreStart"}}
{"t":{"$date":"2022-06-27T00:47:52.484-07:00"},"s":"I", "c":"NETWORK", "id":23015, "ctx":"listener","msg":"Listening
on","attr":{"address":"127.0.0.1"}}
{"t":{"$date":"2022-06-27T00:47:52.484-07:00"},"s":"I", "c":"NETWORK", "id":23016, "ctx":"listener","msg":"Waiting f
or connections","attr":{"port":27017,"ssl":"off"}}
  
```

Para nuestra practica comenzaremos por inicializar mongo así como también en un consola dirigimos a una carpeta donde se guardaran todas las copias de nuestras base de datos.

```

Microsoft Windows [Versión 10.0.19044.1766]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\acer>cd C:\Users\acer\Desktop
C:\Users\acer\Desktop>

C:\Users\acer\Desktop>mongo
use biblioteca
switched to db biblioteca
> db.titulo.insertMany([{"t1": "El principito"},
...
{"t2": "La torre oscura"},
...
{"t3": "Eragon"},
...
{"t4": "Harry Potter"},
...
{"t5": "El alquimista"},
...
{"t6": "Luna de pluton"},
...
{"t7": "Hyperion"},
...
{"t8": "La fundacion"}],)
{"acknowledged": true,
"insertedIds": [
  ObjectId("62b960cd20ea6161eac206fa"),
  ObjectId("62b960cd20ea6161eac206fb"),
  ObjectId("62b960cd20ea6161eac206fc"),
  ObjectId("62b960cd20ea6161eac206fd"),
  ObjectId("62b960cd20ea6161eac206fe"),
  ObjectId("62b960cd20ea6161eac206ff"),
  ObjectId("62b960cd20ea6161eac20700"),
  ObjectId("62b960cd20ea6161eac20701")
]}
> db.isbn.insertMany([{"i1": "849-3-55-516155-8"},
...
{"i2": "849-7-54-527845-8"},
...
{"i3": "849-4-45-548565-8"},
...
{"i4": "849-2-78-515795-8"},
...
{"i5": "849-2-69-519555-8"},
...
{"i6": "849-8-89-516515-8"},
...
{"i7": "849-0-78-545615-8"},
...
{"i8": "849-9-23-532133-8"}],)
{"acknowledged": true,
"insertedIds": [
  ObjectId("62b960cd20ea6161eac20702"),
  ObjectId("62b960cd20ea6161eac20703"),
  ObjectId("62b960cd20ea6161eac20704"),
  ObjectId("62b960cd20ea6161eac20705"),
  ObjectId("62b960cd20ea6161eac20706"),
  ObjectId("62b960cd20ea6161eac20707"),
  ObjectId("62b960cd20ea6161eac20708"),
  ObjectId("62b960cd20ea6161eac20709")
]}
> db.fecha_publicacion.insertMany([{"f1": "2000-01-01"},
...
{"f2": "2001-01-01"},
...
{"f3": "2002-01-01"},
...
{"f4": "2003-01-01"},
...
{"f5": "2004-01-01"}],)
  
```

Creamos nuestra primera base de datos (biblioteca)

C

```

Simbolo del sistema - mongo
> use hospital
switched to db hospital
> db.nombre.insertMany([{'1': 'Tamara Murillo'},
...
{'2': 'Mayra Calle'},
...
{'3': 'Macarena Rueda'},
...
{'4': 'Anibal Bernabejo'},
...
{'5': 'Jose-Luis Buendia'},
...
{'6': 'Mary Montoro'},
...
{'7': 'Amaya Candela'},
...
{'8': 'Vega Novoa'},])
...
"acknowledged" : true,
"insertedIds" : [
  ObjectId("62b960f720ea6161eac20722"),
  ObjectId("62b960f720ea6161eac20723"),
  ObjectId("62b960f720ea6161eac20724"),
  ObjectId("62b960f720ea6161eac20725"),
  ObjectId("62b960f720ea6161eac20726"),
  ObjectId("62b960f720ea6161eac20727"),
  ObjectId("62b960f720ea6161eac20728"),
  ObjectId("62b960f720ea6161eac20729")
]
> db.direccion.insertMany([{'1': 'Avenida Flores'},
...
{'2': 'Avenida Geranios'},
...
{'3': 'Avenida Bugambillas'},
...
{'4': 'Avenida Olivos'},
...
{'5': 'Avenida Jazmin'},
...
{'6': 'Avenida Ortencias'},
...
{'7': 'Avenida Obregon'},
...
{'8': 'Avenida Huarit'},])
...
"acknowledged" : true,
"insertedIds" : [
  ObjectId("62b960f720ea6161eac2072a"),
  ObjectId("62b960f720ea6161eac2072b"),
  ObjectId("62b960f720ea6161eac2072c"),
  ObjectId("62b960f720ea6161eac2072d"),
  ObjectId("62b960f720ea6161eac2072e"),
  ObjectId("62b960f720ea6161eac2072f"),
  ObjectId("62b960f720ea6161eac20730"),
  ObjectId("62b960f720ea6161eac20731")
]
> db.telefono.insertMany([{'1': '653-597-4532'},
...
{'2': '653-591-5155'},
...
{'3': '653-727-4505'},
...
{'4': '653-727-4571'},
...
{'5': '653-727-3735'},])
...
"acknowledged" : true,
"insertedIds" : [
  ObjectId("62b960f720ea6161eac20732"),
  ObjectId("62b960f720ea6161eac20733"),
  ObjectId("62b960f720ea6161eac20734"),
  ObjectId("62b960f720ea6161eac20735"),
  ObjectId("62b960f720ea6161eac20736")
]

```

Creamos nuestra segunda base de datos (hospital)

```

Simbolo del sistema - mongo
> use clientes
switched to db clientes
> db.nombre.insertMany([{'1': 'Tamara'},
...
{'2': 'Mayra'},
...
{'3': 'Macarena'},
...
{'4': 'Anibal'},
...
{'5': 'Jose-Luis'},
...
{'6': 'Mary'},
...
{'7': 'Amaya'},
...
{'8': 'Vega'},])
...
"acknowledged" : true,
"insertedIds" : [
  ObjectId("62b9612320ea6161eac2074a"),
  ObjectId("62b9612320ea6161eac2074b"),
  ObjectId("62b9612320ea6161eac2074c"),
  ObjectId("62b9612320ea6161eac2074d"),
  ObjectId("62b9612320ea6161eac2074e"),
  ObjectId("62b9612320ea6161eac2074f"),
  ObjectId("62b9612320ea6161eac20750"),
  ObjectId("62b9612320ea6161eac20751")
]
> db.apellido.insertMany([{'1': 'Murillo'},
...
{'2': 'Calle'},
...
{'3': 'Rueda'},
...
{'4': 'Bernabejo'},
...
{'5': 'Buendia'},
...
{'6': 'Montoro'},
...
{'7': 'Candela'},
...
{'8': 'Novoa'},])
...
"acknowledged" : true,
"insertedIds" : [
  ObjectId("62b9612320ea6161eac20752"),
  ObjectId("62b9612320ea6161eac20753"),
  ObjectId("62b9612320ea6161eac20754"),
  ObjectId("62b9612320ea6161eac20755"),
  ObjectId("62b9612320ea6161eac20756"),
  ObjectId("62b9612320ea6161eac20757"),
  ObjectId("62b9612320ea6161eac20758"),
  ObjectId("62b9612320ea6161eac20759")
]
> db.direccion.insertMany([{'1': 'Avenida Flores'},
...
{'2': 'Avenida Geranios'},
...
{'3': 'Avenida Bugambillas'},
...
{'4': 'Avenida Olivos'},
...
{'5': 'Avenida Jazmin'},])
...
"acknowledged" : true,
"insertedIds" : [
  ObjectId("62b9612320ea6161eac2075a"),
  ObjectId("62b9612320ea6161eac2075b"),
  ObjectId("62b9612320ea6161eac2075c"),
  ObjectId("62b9612320ea6161eac2075d")
]

```

Creamos nuestra tercera base de datos (clientes)

```

Simbolo del sistema - mongo
> use alumnos
switched to db alumnos
> db.nombre.insertMany([{'1': 'Tamara'},
...
{'2': 'Nayra'},
...
{'3': 'Macarena'},
...
{'4': 'Anibal'},
...
{'5': 'Jose-Luis'},
...
{'6': 'Hury'},
...
{'7': 'Amaya'},
...
{'8': 'Vega'}],)
{
  "acknowledged": true,
  "insertedIds": [
    ObjectId("62b9614920ea6161eac20772"),
    ObjectId("62b9614920ea6161eac20773"),
    ObjectId("62b9614920ea6161eac20774"),
    ObjectId("62b9614920ea6161eac20775"),
    ObjectId("62b9614920ea6161eac20776"),
    ObjectId("62b9614920ea6161eac20777"),
    ObjectId("62b9614920ea6161eac20778"),
    ObjectId("62b9614920ea6161eac20779")
  ]
}
> db.apellido.insertMany([{'1': 'Murillo'},
...
{'2': 'Calle'},
...
{'3': 'Rueda'},
...
{'4': 'Bermajo'},
...
{'5': 'Buendia'},
...
{'6': 'Montoro'},
...
{'7': 'Candela'},
...
{'8': 'Novoa'}],)
{
  "acknowledged": true,
  "insertedIds": [
    ObjectId("62b9614920ea6161eac2077a"),
    ObjectId("62b9614920ea6161eac2077b"),
    ObjectId("62b9614920ea6161eac2077c"),
    ObjectId("62b9614920ea6161eac2077d"),
    ObjectId("62b9614920ea6161eac2077e"),
    ObjectId("62b9614920ea6161eac2077f"),
    ObjectId("62b9614920ea6161eac20780"),
    ObjectId("62b9614920ea6161eac20781")
  ]
}
> db.email.insertMany([{'1': 'tamara@gmail.com'},
...
{'2': 'nayra@gmail.com'},
...
{'3': 'macarena@gmail.com'},
...
{'4': 'anibal@gmail.com'},
...
{'5': 'jose@gmail.com'}],)
{
  "acknowledged": true,
  "insertedIds": [
    ObjectId("62b9614920ea6161eac20782"),
    ObjectId("62b9614920ea6161eac20783"),
    ObjectId("62b9614920ea6161eac20784"),
    ObjectId("62b9614920ea6161eac20785"),
    ObjectId("62b9614920ea6161eac20786")
  ]
}

```

Creamos nuestra cuarta y última base de datos (alumnos)

```

Simbolo del sistema - mongo
> use alumnos
switched to db alumnos
> db.nombre.insertMany([{'1': 'Tamara'},
...
{'2': 'Nayra'},
...
{'3': 'Macarena'},
...
{'4': 'Anibal'},
...
{'5': 'Jose-Luis'},
...
{'6': 'Hury'},
...
{'7': 'Amaya'},
...
{'8': 'Vega'}],)
{
  "acknowledged": true,
  "insertedIds": [
    ObjectId("62b9614920ea6161eac20772"),
    ObjectId("62b9614920ea6161eac20773"),
    ObjectId("62b9614920ea6161eac20774"),
    ObjectId("62b9614920ea6161eac20775"),
    ObjectId("62b9614920ea6161eac20776"),
    ObjectId("62b9614920ea6161eac20777"),
    ObjectId("62b9614920ea6161eac20778"),
    ObjectId("62b9614920ea6161eac20779")
  ]
}
> db.apellido.insertMany([{'1': 'Murillo'},
...
{'2': 'Calle'},
...
{'3': 'Rueda'},
...
{'4': 'Bermajo'},
...
{'5': 'Buendia'},
...
{'6': 'Montoro'},
...
{'7': 'Candela'},
...
{'8': 'Novoa'}],)
{
  "acknowledged": true,
  "insertedIds": [
    ObjectId("62b9614920ea6161eac2077a"),
    ObjectId("62b9614920ea6161eac2077b"),
    ObjectId("62b9614920ea6161eac2077c"),
    ObjectId("62b9614920ea6161eac2077d"),
    ObjectId("62b9614920ea6161eac2077e"),
    ObjectId("62b9614920ea6161eac2077f"),
    ObjectId("62b9614920ea6161eac20780"),
    ObjectId("62b9614920ea6161eac20781")
  ]
}
> db.email.insertMany([{'1': 'tamara@gmail.com'},
...
{'2': 'nayra@gmail.com'},
...
{'3': 'macarena@gmail.com'},
...
{'4': 'anibal@gmail.com'},
...
{'5': 'jose@gmail.com'}],)
{
  "acknowledged": true,
  "insertedIds": [
    ObjectId("62b9614920ea6161eac20782"),
    ObjectId("62b9614920ea6161eac20783"),
    ObjectId("62b9614920ea6161eac20784"),
    ObjectId("62b9614920ea6161eac20785"),
    ObjectId("62b9614920ea6161eac20786")
  ]
}

```

Ahora ejecutaremos el comando para copiar todas las bases de datos.

```

Simbolo del sistema - mongo
> use biblioteca
switched to db biblioteca
> db.dropDatabase()
{ "ok" : 1 }
> use hospital
switched to db hospital
> db.dropDatabase()
{ "ok" : 1 }
> use clientes
switched to db clientes
> db.dropDatabase()
{ "ok" : 1 }
> use alumnos
switched to db alumnos
> db.dropDatabase()
{ "ok" : 1 }

Simbolo del sistema
2022-06-27T00:51:15.055-0700
2022-06-27T00:51:15.059-0700
2022-06-27T00:51:15.059-0700
2022-06-27T00:51:15.063-0700
2022-06-27T00:51:15.063-0700
2022-06-27T00:51:15.068-0700
2022-06-27T00:51:15.069-0700
2022-06-27T00:51:15.074-0700
2022-06-27T00:51:15.075-0700
2022-06-27T00:51:15.079-0700
2022-06-27T00:51:15.083-0700
2022-06-27T00:51:15.083-0700
2022-06-27T00:51:15.085-0700
2022-06-27T00:51:15.089-0700
2022-06-27T00:51:15.090-0700
2022-06-27T00:51:15.095-0700
2022-06-27T00:51:15.101-0700
2022-06-27T00:51:15.102-0700
2022-06-27T00:51:15.106-0700
2022-06-27T00:51:15.107-0700
2022-06-27T00:51:15.110-0700
2022-06-27T00:51:15.111-0700
2022-06-27T00:51:15.115-0700
2022-06-27T00:51:15.116-0700
2022-06-27T00:51:15.121-0700
2022-06-27T00:51:15.122-0700
2022-06-27T00:51:15.125-0700
2022-06-27T00:51:15.127-0700
2022-06-27T00:51:15.127-0700
2022-06-27T00:51:15.127-0700
2022-06-27T00:51:15.127-0700
2022-06-27T00:51:15.128-0700
2022-06-27T00:51:15.129-0700
C:\Users\lacer\Desktop>mongodump
2022-06-27T00:52:06.192-0700
2022-06-27T00:52:06.261-0700
2022-06-27T00:52:06.498-0700
2022-06-27T00:52:06.498-0700
2022-06-27T00:52:06.502-0700
2022-06-27T00:52:06.504-0700
2022-06-27T00:52:06.505-0700
2022-06-27T00:52:06.506-0700
C:\Users\lacer\Desktop>

writing oficina.papelaria to dump\oficina\papelaria.bson
done dumping oficina.papelaria (1 document)
writing fabrica.horario to dump\fabrica\horario.bson
done dumping fabrica.horario (1 document)
writing carpinteria.material to dump\carpinteria\material.bson
done dumping carpinteria.material (1 document)
writing tienda_don_isaac.recargas to dump\tienda_don_isaac\recargas.
bson
done dumping tienda_don_isaac.recargas (1 document)
writing peliculas.generos to dump\peliculas\generos.bson
done dumping peliculas.generos (1 document)
writing sabritas.ingrediente to dump\sabritas\ingrediente.bson
done dumping sabritas.ingrediente (1 document)
writing sabritas.cantidad to dump\sabritas\cantidad.bson
done dumping sabritas.cantidad (1 document)
writing sabritas.marca to dump\sabritas\marca.bson
done dumping sabritas.marca (1 document)
writing fabrica.departamento to dump\fabrica\departamento.bson
done dumping fabrica.departamento (1 document)
writing taller.trabajadores to dump\taller\trabajadores.bson
done dumping taller.trabajadores (1 document)
writing taller.materiales to dump\taller\materiales.bson
done dumping taller.materiales (1 document)
writing tienda_don_isaac.almacen to dump\tienda_don_isaac\almacen.bs
bson
done dumping tienda_don_isaac.almacen (1 document)
writing tienda_don_isaac.proveedores to dump\tienda_don_isaac\provee
dores.bson
done dumping tienda_don_isaac.proveedores (1 document)
writing taller.especialidad to dump\taller\especialidad.bson
done dumping taller.especialidad (1 document)
writing alumnos.nombre to dump\alumnos\nombre.bson
writing biblioteca.categoria to dump\biblioteca\categoria.bson
writing alumnos.email to dump\alumnos\email.bson
done dumping alumnos.nombre (8 documents)
done dumping biblioteca.categoria (8 documents)
done dumping alumnos.email (8 documents)
--db hospital
writing hospital.telefono to dump\hospital\telefono.bson
done dumping hospital.telefono (16 documents)
writing hospital.direccion to dump\hospital\direccion.bson
writing hospital.nombre to dump\hospital\nombre.bson
writing hospital.numero to dump\hospital\numero.bson
done dumping hospital.direccion (8 documents)
done dumping hospital.nombre (8 documents)
done dumping hospital.numero (8 documents)

```

Ahora borraremos las base de datos que creamos.

```

Simbolo del sistema - mongo
> use biblioteca
switched to db biblioteca
> db.dropDatabase()
{ "ok" : 1 }
> use hospital
switched to db hospital
> db.dropDatabase()
{ "ok" : 1 }
> use clientes
switched to db clientes
> db.dropDatabase()
{ "ok" : 1 }
> use alumnos
switched to db alumnos
> db.dropDatabase()
{ "ok" : 1 }
> show dbs
admin                0.000GB
alumnos              0.000GB
biblioteca           0.000GB
carpinteria          0.000GB
clientes             0.000GB
config               0.000GB
fabrica              0.000GB
hospital             0.000GB
local                0.000GB
oficina              0.000GB
peliculas            0.000GB
sabritas             0.000GB
taller               0.000GB
tienda_don_isaac    0.000GB

Simbolo del sistema
2022-06-27T00:53:20.582-0700
2022-06-27T00:53:20.583-0700
2022-06-27T00:53:20.583-0700
2022-06-27T00:53:20.585-0700
2022-06-27T00:53:20.586-0700
2022-06-27T00:53:20.587-0700
2022-06-27T00:53:20.588-0700
2022-06-27T00:53:20.589-0700
2022-06-27T00:53:20.590-0700
2022-06-27T00:53:20.590-0700
2022-06-27T00:53:20.590-0700
2022-06-27T00:53:20.591-0700
2022-06-27T00:53:20.592-0700
2022-06-27T00:53:20.593-0700
2022-06-27T00:53:20.593-0700
2022-06-27T00:53:20.594-0700
2022-06-27T00:53:20.595-0700
2022-06-27T00:53:20.595-0700
2022-06-27T00:53:20.596-0700
2022-06-27T00:53:20.597-0700
2022-06-27T00:53:20.597-0700
2022-06-27T00:53:20.601-0700
2022-06-27T00:53:20.602-0700
2022-06-27T00:53:20.603-0700
2022-06-27T00:53:20.604-0700
2022-06-27T00:53:20.605-0700
2022-06-27T00:53:20.606-0700
2022-06-27T00:53:20.607-0700
2022-06-27T00:53:20.610-0700
2022-06-27T00:53:20.612-0700
2022-06-27T00:53:20.616-0700
2022-06-27T00:53:20.618-0700
2022-06-27T00:53:20.619-0700
2022-06-27T00:53:20.620-0700
2022-06-27T00:53:20.621-0700
2022-06-27T00:53:20.623-0700
2022-06-27T00:53:20.627-0700
2022-06-27T00:53:20.628-0700
2022-06-27T00:53:20.632-0700
2022-06-27T00:53:20.632-0700
2022-06-27T00:53:20.634-0700
2022-06-27T00:53:20.635-0700
2022-06-27T00:53:20.635-0700
2022-06-27T00:53:20.639-0700
C:\Users\lacer\Desktop>

finished restoring biblioteca.autor (8 documents, 0 failures)
no indexes to restore for collection sabritas.marca
no indexes to restore for collection fabrica.gerente
no indexes to restore for collection sabritas.cantidad
no indexes to restore for collection fabrica.empleado
no indexes to restore for collection sabritas.ingrediente
no indexes to restore for collection fabrica.horario
no indexes to restore for collection fabrica.automovil
no indexes to restore for collection fabrica.departamento
no indexes to restore for collection hospital.direccion
no indexes to restore for collection hospital.telefono
no indexes to restore for collection hospital.numero
no indexes to restore for collection hospital.nombre
no indexes to restore for collection alumnos.apellido
no indexes to restore for collection alumnos.carrera
no indexes to restore for collection alumnos.matricula
no indexes to restore for collection alumnos.nombre
no indexes to restore for collection alumnos.email
no indexes to restore for collection biblioteca.autor
no indexes to restore for collection biblioteca.isbn
no indexes to restore for collection biblioteca.fecha_de_publicacion
no indexes to restore for collection biblioteca.categoria
no indexes to restore for collection clientes.apellido
no indexes to restore for collection clientes.direccion
no indexes to restore for collection clientes.forma_de_pago
no indexes to restore for collection clientes.nombre
no indexes to restore for collection clientes.email
no indexes to restore for collection clientes.direccion
no indexes to restore for collection carpinteria.material
no indexes to restore for collection carpinteria.empleado
no indexes to restore for collection carpinteria.cliente
no indexes to restore for collection taller.trabajadores
no indexes to restore for collection taller.especialidad
no indexes to restore for collection taller.materiales
no indexes to restore for collection tienda_don_isaac.recargas
no indexes to restore for collection tienda_don_isaac.almacen
no indexes to restore for collection tienda_don_isaac.proveedores
no indexes to restore for collection oficina.empleados
no indexes to restore for collection oficina.departamentos
no indexes to restore for collection oficina.papelaria
no indexes to restore for collection peliculas.presupuesto
no indexes to restore for collection peliculas.actores
no indexes to restore for collection peliculas.generos
160 document(s) restored successfully. 34 document(s) failed to restore.

```

Despues proseguimos a restaurar nuestras base de datos con la copia de seguridad que hicimos.


```

> use biblioteca
switched to db biblioteca
> db.dropDatabase()
{ "ok" : 1 }
> use hospital
switched to db hospital
> db.dropDatabase()
{ "ok" : 1 }
> use clientes
switched to db clientes
> db.dropDatabase()
{ "ok" : 1 }
> use alumnos
switched to db alumnos
> db.dropDatabase()
{ "ok" : 1 }
> show dbs
admin            0.000GB
alumnos          0.000GB
biblioteca       0.000GB
carpinteria      0.000GB
clientes         0.000GB
config           0.000GB
fabrica          0.000GB
hospital         0.000GB
local            0.000GB
oficina          0.000GB
peliculas        0.000GB
sabritas         0.000GB
taller           0.000GB
tiendita_don_isaac 0.000GB
>
> use hospital
switched to db hospital
> db.dropDatabase()
{ "ok" : 1 }

```

```

2022-06-27T00:53:20.607-0700 no indexes to restore for collection clientes_email
2022-06-27T00:53:20.610-0700 no indexes to restore for collection clientes_direccion
2022-06-27T00:53:20.612-0700 no indexes to restore for collection carpinteria_material
2022-06-27T00:53:20.616-0700 no indexes to restore for collection carpinteria_empleado
2022-06-27T00:53:20.618-0700 no indexes to restore for collection carpinteria_cliente
2022-06-27T00:53:20.619-0700 no indexes to restore for collection carpinteria_mueble
2022-06-27T00:53:20.620-0700 no indexes to restore for collection taller_trabajadores
2022-06-27T00:53:20.621-0700 no indexes to restore for collection taller_especialidad
2022-06-27T00:53:20.623-0700 no indexes to restore for collection taller_materiales
2022-06-27T00:53:20.623-0700 no indexes to restore for collection oficina_departamentos
2022-06-27T00:53:20.624-0700 no indexes to restore for collection oficina_papelaria
2022-06-27T00:53:20.624-0700 no indexes to restore for collection peliculas_recaudacion
2022-06-27T00:53:20.625-0700 no indexes to restore for collection peliculas_presupuesto
2022-06-27T00:53:20.625-0700 no indexes to restore for collection peliculas_actores
2022-06-27T00:53:20.625-0700 no indexes to restore for collection peliculas_generos
2022-06-27T00:53:20.630-0700 160 document(s) restored successfully. 34 document(s) failed to restore.

C:\Users\lacer\Desktop>mongorestore --db hospital dump/hospital
2022-06-27T00:54:01.515-0700 The --db and --collection flags are deprecated for this use-case; please
use --nsInclude instead, i.e. with --nsInclude=${DATABASE}.${COLLECTION}
2022-06-27T00:54:01.592-0700 building a list of collections to restore from dump/hospital dir
2022-06-27T00:54:01.595-0700 reading metadata for hospital.direccion from dump/hospital/direccion3803
n.metadata.json
2022-06-27T00:54:01.596-0700 reading metadata for hospital.nombre from dump/hospital/nombre.metadata.
json
2022-06-27T00:54:01.597-0700 reading metadata for hospital.numero from dump/hospital/numero.metadata.
json
2022-06-27T00:54:01.598-0700 reading metadata for hospital.telefono from dump/hospital/telefono3803n.fono.
metadata.json
2022-06-27T00:54:01.907-0700 restoring hospital.telefono from dump/hospital/telefono3803n.fono.bson
2022-06-27T00:54:01.924-0700 restoring hospital.direccion from dump/hospital/direccion3803n.bson
2022-06-27T00:54:01.929-0700 restoring hospital.numero from dump/hospital/numero.bson
2022-06-27T00:54:01.936-0700 finished restoring hospital.direccion (8 documents, 0 failures)
2022-06-27T00:54:01.951-0700 finished restoring hospital.numero (8 documents, 0 failures)
2022-06-27T00:54:02.224-0700 finished restoring hospital.telefono (16 documents, 0 failures)
2022-06-27T00:54:02.234-0700 restoring hospital.nombre from dump/hospital/nombre.bson
2022-06-27T00:54:02.249-0700 finished restoring hospital.nombre (8 documents, 0 failures)
2022-06-27T00:54:02.249-0700 no indexes to restore for collection hospital.direccion
2022-06-27T00:54:02.250-0700 no indexes to restore for collection hospital.nombre
2022-06-27T00:54:02.252-0700 no indexes to restore for collection hospital.numero
2022-06-27T00:54:02.253-0700 no indexes to restore for collection hospital.telefono
2022-06-27T00:54:02.254-0700 40 document(s) restored successfully. 0 document(s) failed to restore.

C:\Users\lacer\Desktop>

```

A continuación borraremos solamente una sola base de datos. Para despues restaurar todos los datos de esta.

```

switched to db biblioteca
> db.dropDatabase()
{ "ok" : 1 }
> use hospital
switched to db hospital
> db.dropDatabase()
{ "ok" : 1 }
> use clientes
switched to db clientes
> db.dropDatabase()
{ "ok" : 1 }
> use alumnos
switched to db alumnos
> db.dropDatabase()
{ "ok" : 1 }
> show dbs
admin            0.000GB
alumnos          0.000GB
biblioteca       0.000GB
carpinteria      0.000GB
clientes         0.000GB
config           0.000GB
fabrica          0.000GB
hospital         0.000GB
local            0.000GB
oficina          0.000GB
peliculas        0.000GB
sabritas         0.000GB
taller           0.000GB
tiendita_don_isaac 0.000GB
>
> use hospital
switched to db hospital
> db.dropDatabase()
{ "ok" : 1 }
> use biblioteca
switched to db biblioteca
> db.autor.drop()
true
> db.autor.find()
{ "_id" : ObjectId("62b996cd20ea6161eac20712"), "1" : "Isaac Asimov" }
{ "_id" : ObjectId("62b996cd20ea6161eac20713"), "2" : "Paulo Coelho" }
{ "_id" : ObjectId("62b996cd20ea6161eac20714"), "3" : "JK Rowling" }
{ "_id" : ObjectId("62b996cd20ea6161eac20715"), "4" : "David Rivera" }
{ "_id" : ObjectId("62b996cd20ea6161eac20716"), "5" : "Christopher Paolini" }
{ "_id" : ObjectId("62b996cd20ea6161eac20717"), "6" : "Stephen King" }
{ "_id" : ObjectId("62b996cd20ea6161eac20718"), "7" : "Antoine de Saint-Exupéry" }
{ "_id" : ObjectId("62b996cd20ea6161eac20719"), "8" : "Dan Simmons" }

```

```

2022-06-27T00:53:20.623-0700 no indexes to restore for collection tiendita_don_isaac_recargas
2022-06-27T00:53:20.624-0700 no indexes to restore for collection tiendita_don_isaac_almacan
2022-06-27T00:53:20.625-0700 no indexes to restore for collection tiendita_don_isaac_proveedores
2022-06-27T00:53:20.626-0700 no indexes to restore for collection oficina_empleados
2022-06-27T00:53:20.627-0700 no indexes to restore for collection oficina_departamentos
2022-06-27T00:53:20.628-0700 no indexes to restore for collection oficina_papelaria
2022-06-27T00:53:20.632-0700 no indexes to restore for collection peliculas_recaudacion
2022-06-27T00:53:20.634-0700 no indexes to restore for collection peliculas_presupuesto
2022-06-27T00:53:20.635-0700 no indexes to restore for collection peliculas_actores
2022-06-27T00:53:20.635-0700 no indexes to restore for collection peliculas_generos
2022-06-27T00:53:20.639-0700 160 document(s) restored successfully. 34 document(s) failed to restore.

C:\Users\lacer\Desktop>mongorestore --db biblioteca --collection autor dump/biblioteca/autor.bson
2022-06-27T00:54:01.515-0700 The --db and --collection flags are deprecated for this use-case; please
use --nsInclude instead, i.e. with --nsInclude=${DATABASE}.${COLLECTION}
2022-06-27T00:54:01.592-0700 building a list of collections to restore from dump/hospital dir
2022-06-27T00:54:01.595-0700 reading metadata for hospital.direccion from dump/hospital/direccion3803
n.metadata.json
2022-06-27T00:54:01.596-0700 reading metadata for hospital.nombre from dump/hospital/nombre.metadata.
json
2022-06-27T00:54:01.597-0700 reading metadata for hospital.numero from dump/hospital/numero.metadata.
json
2022-06-27T00:54:01.598-0700 reading metadata for hospital.telefono from dump/hospital/telefono3803n.fono.
metadata.json
2022-06-27T00:54:01.907-0700 restoring hospital.telefono from dump/hospital/telefono3803n.fono.bson
2022-06-27T00:54:01.924-0700 restoring hospital.direccion from dump/hospital/direccion3803n.bson
2022-06-27T00:54:01.929-0700 restoring hospital.numero from dump/hospital/numero.bson
2022-06-27T00:54:01.936-0700 finished restoring hospital.direccion (8 documents, 0 failures)
2022-06-27T00:54:01.951-0700 finished restoring hospital.numero (8 documents, 0 failures)
2022-06-27T00:54:02.224-0700 finished restoring hospital.telefono (16 documents, 0 failures)
2022-06-27T00:54:02.234-0700 restoring hospital.nombre from dump/hospital/nombre.bson
2022-06-27T00:54:02.249-0700 finished restoring hospital.nombre (8 documents, 0 failures)
2022-06-27T00:54:02.249-0700 no indexes to restore for collection hospital.direccion
2022-06-27T00:54:02.250-0700 no indexes to restore for collection hospital.nombre
2022-06-27T00:54:02.252-0700 no indexes to restore for collection hospital.numero
2022-06-27T00:54:02.253-0700 no indexes to restore for collection hospital.telefono
2022-06-27T00:54:02.254-0700 40 document(s) restored successfully. 0 document(s) failed to restore.

C:\Users\lacer\Desktop>mongorestore --db biblioteca --collection autor dump/biblioteca/autor.bson
2022-06-27T00:54:01.515-0700 The --db and --collection flags are deprecated for this use-case; please
use --nsInclude instead, i.e. with --nsInclude=${DATABASE}.${COLLECTION}
2022-06-27T00:54:01.592-0700 building a list of collections to restore from dump/hospital dir
2022-06-27T00:54:01.595-0700 reading metadata for hospital.direccion from dump/hospital/direccion3803
n.metadata.json
2022-06-27T00:54:01.596-0700 reading metadata for hospital.nombre from dump/hospital/nombre.metadata.
json
2022-06-27T00:54:01.597-0700 reading metadata for hospital.numero from dump/hospital/numero.metadata.
json
2022-06-27T00:54:01.598-0700 reading metadata for hospital.telefono from dump/hospital/telefono3803n.fono.
metadata.json
2022-06-27T00:54:01.907-0700 restoring hospital.telefono from dump/hospital/telefono3803n.fono.bson
2022-06-27T00:54:01.924-0700 restoring hospital.direccion from dump/hospital/direccion3803n.bson
2022-06-27T00:54:01.929-0700 restoring hospital.numero from dump/hospital/numero.bson
2022-06-27T00:54:01.936-0700 finished restoring hospital.direccion (8 documents, 0 failures)
2022-06-27T00:54:01.951-0700 finished restoring hospital.numero (8 documents, 0 failures)
2022-06-27T00:54:02.224-0700 finished restoring hospital.telefono (16 documents, 0 failures)
2022-06-27T00:54:02.234-0700 restoring hospital.nombre from dump/hospital/nombre.bson
2022-06-27T00:54:02.249-0700 finished restoring hospital.nombre (8 documents, 0 failures)
2022-06-27T00:54:02.249-0700 no indexes to restore for collection hospital.direccion
2022-06-27T00:54:02.250-0700 no indexes to restore for collection hospital.nombre
2022-06-27T00:54:02.252-0700 no indexes to restore for collection hospital.numero
2022-06-27T00:54:02.253-0700 no indexes to restore for collection hospital.telefono
2022-06-27T00:54:02.254-0700 40 document(s) restored successfully. 0 document(s) failed to restore.

C:\Users\lacer\Desktop>

```

Para terminar realizamos las copia de solo una colección antes de borrarla y con el archivo de la copia restauramos nuestros datos.

Código utilizado para los ejemplos

-----PRACTICA 3-----
 -----4 bases de datos con 8 registros cada una-----

use biblioteca

```
db.titulo.insertMany([{'1': 'El principito'},
  {'2': 'La torre oscura'},
  {'3': 'Eragon'},
  {'4': 'Harry Potter'},
  {'5': 'El alquimista'},
  {'6': 'Luna de pluton'},
  {'7': 'Hyperion'},
  {'8': 'La fundacion'},])

db.isbn.insertMany([{'1': '849-3-55-516155-8'},
  {'2': '849-7-54-527845-8'},
  {'3': '849-4-45-548565-8'},
  {'4': '849-2-78-515795-8'},
  {'5': '849-2-69-519555-8'},
  {'6': '849-8-89-516515-8'},
  {'7': '849-0-78-545615-8'},
  {'8': '849-9-23-532135-8'},])

db.fecha_de_publicacion.insertMany([{'1': '2000-01-01'},
  {'2': '2001-01-01'},
  {'3': '2002-01-01'},
  {'4': '2003-01-01'},
  {'5': '2004-01-01'},
  {'6': '2005-01-01'},
  {'7': '2006-01-01'},
  {'8': '2007-01-01'},])

db.autor.insertMany([{'1': 'Isaac Asimov'},
  {'2': 'Paulo Cohelo'},
  {'3': 'JK Rowling'},
  {'4': 'David Rivera'},
  {'5': 'Christopher Paolini'},
  {'6': 'Stephen King'},
  {'7': 'Antoine de Saint-Exupéry'},
  {'8': 'Dan Simmons'},])

db.categoria.insertMany([{'1': 'Terror'},
  {'2': 'Suspenso'},
  {'3': 'Fantasia'},
  {'4': 'Comedia'},])
```

```
{'5': 'Ciencia Ficción'},
{'6': 'Ciencia'},
{'7': 'Matemáticas'},
{'8': 'Lenguaje'},])
```

use hospital

```
db.nombre.insertMany([{'1': 'Tamara Murillo'},
{'2': 'Nayra Calle'},
{'3': 'Macarena Rueda'},
{'4': 'Anibal Bermejo'},
{'5': 'Jose-Luis Buendia'},
{'6': 'Mary Montoro'},
{'7': 'Amaya Candela'},
{'8': 'Vega Novoa'},])

db.dirección.insertMany([{'1': 'Avenida Flores'},
{'2': 'Avenida Geranios'},
{'3': 'Avenida Bugambilias'},
{'4': 'Avenida Olivos'},
{'5': 'Avenida Jazmin'},
{'6': 'Avenida Ortencias'},
{'7': 'Avenida Obregon'},
{'8': 'Avenida Nayarit'},])

db.teléfono.insertMany([{'1': '653-597-4532'},
{'2': '653-591-5155'},
{'3': '653-727-4505'},
{'4': '653-727-4571'},
{'5': '653-727-3735'},
{'6': '653-355+7837'},
{'7': '653-453-4525'},
{'8': '653-783-7863'},])

db.numero.insertMany([{'1': '4563276272'},
{'2': '52598185'},
{'3': '25952952'},
{'4': '528585115281'},
{'5': '518518185'},
{'6': '519515818511'},
{'7': '51818418484'},
{'8': '29518418541'},])

db.teléfono.insertMany([{'1': '653-597-4531'},
{'2': '653-591-5152'},
{'3': '653-727-4503'},
{'4': '653-727-4574'},
```



```
{'5': '653-727-3735'},
{'6': '653-355+7836'},
{'7': '653-453-4527'},
{'8': '653-783-7868'},])
```

use clientes

```
db.nombre.insertMany([{'1': 'Tamara'},
    {'2': 'Nayra'},
    {'3': 'Macarena'},
    {'4': 'Anibal'},
    {'5': 'Jose-Luis'},
    {'6': 'Mary'},
    {'7': 'Amaya'},
    {'8': 'Vega'},])

db.apellido.insertMany([{'1': 'Murillo'},
    {'2': 'Calle'},
    {'3': 'Rueda'},
    {'4': 'Bermejo'},
    {'5': 'Buendia'},
    {'6': 'Montoro'},
    {'7': 'Candela'},
    {'8': 'Novoa'},])

db.dirección.insertMany([{'1': 'Avenida Flores'},
    {'2': 'Avenida Geranios'},
    {'3': 'Avenida Bugambilias'},
    {'4': 'Avenida Olivos'},
    {'5': 'Avenida Jazmin'},
    {'6': 'Avenida Ortencias'},
    {'7': 'Avenida Obregon'},
    {'8': 'Avenida Nayarit'},])

db.email.insertMany([{'1': 'tamara@gmail.com'},
    {'2': 'nayra@gmail.com'},
    {'3': 'macarena@gmail.com'},
    {'4': 'anibal@gmail.com'},
    {'5': 'jose@gmail.com'},
    {'6': 'mary@gmail.com'},
    {'7': 'amaya@gmail.com'},
    {'8': 'vega@gmail.com'},])

db.forma_de_pago.insertMany([{'1': 'Credito'},
    {'2': 'Efectivo'},
    {'3': 'Debito'},
    {'4': 'Cheque'},
```

```
{'5': 'Movil'},
{'6': 'NFC'},
{'7': 'Pagare'},
{'8': 'Vales'},])
```

use alumnos

```
db.nombre.insertMany([{'1': 'Tamara'},
    {'2': 'Nayra'},
    {'3': 'Macarena'},
    {'4': 'Anibal'},
    {'5': 'Jose-Luis'},
    {'6': 'Mary'},
    {'7': 'Amaya'},
    {'8': 'Vega'},])

db.apellido.insertMany([{'1': 'Murillo'},
    {'2': 'Calle'},
    {'3': 'Rueda'},
    {'4': 'Bermejo'},
    {'5': 'Buendia'},
    {'6': 'Montoro'},
    {'7': 'Candela'},
    {'8': 'Novoa'},])

db.email.insertMany([{'1': 'tamara@gmail.com'},
    {'2': 'nayra@gmail.com'},
    {'3': 'macarena@gmail.com'},
    {'4': 'anibal@gmail.com'},
    {'5': 'jose@gmail.com'},
    {'6': 'mary@gmail.com'},
    {'7': 'amaya@gmail.com'},
    {'8': 'vega@gmail.com'},])

db.matricula.insertMany([{'1': '1930001'},
    {'2': '1930002'},
    {'3': '1930003'},
    {'4': '1930004'},
    {'5': '1930005'},
    {'6': '1930006'},
    {'7': '1930007'},
    {'8': '1930008'},])

db.carrera.insertMany([{'1': 'IDGS'},
    {'2': 'OCI'},
    {'3': 'DN'},
    {'4': 'PROCESOS'},])
```

```
{'5': 'MI'},  
{'6': 'OCI'},  
{'7': 'IDGS'},  
{'8': 'TIDS'},])
```

```
-----  
cd C:\Users\acer\Desktop  
mongod  
mongo
```

```
-----  
mongodump  
use biblioteca  
db.dropDatabase()  
use hospital  
db.dropDatabase()  
use clientes  
db.dropDatabase()  
use alumnos  
db.dropDatabase()  
mongorestore
```

```
-----  
mongodump --db hospital  
use hospital  
db.dropDatabase()  
mongorestore --db hospital dump/hospital
```

```
-----  
use biblioteca  
db.autor.drop()  
mongorestore --db biblioteca --collection autor dump/biblioteca/autor.bson
```