HOW TO INSTALL MONGODB ON ROCKY LINUX

Prerequisites

- A fresh server running Rocky Linux 8 with a minimum of 10 GB of free disk space
- A non-root user with sudo privileges configured on the server

Update the System

Login to the system using root or sudo user depending on your privilege configuration, and update the system using the following command.

```
sudo dnf update -y
```

Installing MongoDB

The MongoDB package is not included in the default repositories for Rocky Linux 8 because it is not considered part of the "base" system. Thus, you need to add the repository containing the package before installing MongoDB.

MongoDB comes in two editions the community edition and the enterprise edition. The community edition is free while the enterprise edition offers additional features. This guide is for the community edition.

Run the following command to add the MongoDB Repository on your system.

```
cat > /etc/yum.repos.d/mongodb.repo << 'EOL'
[mongodb-org-4.4]
name=MongoDB Repository
baseurl=https://repo.mongodb.org/yum/redhat/$releasever/mongodb-org/4.4/x86_64/
gpgcheck=1
enabled=1
gpgkey=https://www.mongodb.org/static/pgp/server-4.4.asc
EOL
```

Once the repository is enabled, run the following command to install the mongoDB community edition.

```
dnf update
dnf install -y mongodb-org
```

Once the installation is complete, verify the version installed as follows.

```
mongod --version
```

```
[root@spf-prueba vmware-tools-distrib]# mongod --version
db version v4.4.10
Build Info: {
    "version": "4.4.10",
    "gitVersion": "58971da1ef93435a9f62bf4708a81713def6e88c",
    "openSSLVersion": "OpenSSL 1.1.1g FIPS  21 Apr 2020",
    "modules": [],
    "allocator": "tcmalloc",
    "environment": {
        "distmod": "rhel80",
        "distarch": "x86_64",
        "target_arch": "x86_64"
    }
}
```

The MongoDB service doesn't start automatically after installation. You can verify this by running the command as follows.

```
systemctl status mongod
```

The output should be similar to that below:

```
[root@spf-prueba vmware-tools-distrib]# systemctl status mongod
● mongod.service - MongoDB Database Server
   Loaded: loaded (/usr/lib/systemd/system/mongod.service; enabled; vendor preset: disabled)
   Active: inactive (dead)
     Docs: https://docs.mongodb.org/manual
```

Since the service has not started, start it manually by running the following command.

```
systemctl start mongod
```

To enable MongoDB to automatically start on boot time, run the following command.

```
systemctl enable mongod
```

At this point, MongoDB has been installed and configured on the server. Verify the status of MongoDB service as follows.

```
systemctl status mongod
```

```
[root@spf-prueba vmware-tools-distrib]# systemctl status mongod
● mongod.service - MongoDB Database Server
   Loaded: loaded (/usr/lib/systemd/system/mongod.service; enabled; vendor preset: disabled)
   Active: active (running) since Mon 2021-11-08 19:31:40 -03; 14s ago
     Docs: https://docs.mongodb.org/manual
 Main PID: 66603 (mongod)
   Memory: 60.6M
   CGroup: /system.slice/mongod.service
           └─66603 /usr/bin/mongod -f /etc/mongod.conf

nov 08 19:31:39 spf-prueba systemd[1]: Starting MongoDB Database Server...
nov 08 19:31:40 spf-prueba mongod[66601]: about to fork child process, waiting until server is ready for connections.
nov 08 19:31:40 spf-prueba mongod[66601]: forked process: 66603
nov 08 19:31:40 spf-prueba mongod[66601]: child process started successfully, parent exiting
nov 08 19:31:40 spf-prueba systemd[1]: Started MongoDB Database Server.
```

Revision #3
Created 8 November 2021 20:23:21 by Rondineli G. Saad
Updated 8 November 2021 20:38:23 by Rondineli G. Saad