

MongoDB Installation and Configuration Script

This document contains the script and step-by-step instructions for installing and configuring MongoDB.

Script: install_mongodb.sh

Usage: ./install_mongodb.sh <AdminPassword>

Script Content:

```
#!/bin/bash # Check if admin password argument is provided if [ "$#" -ne 1 ];
then echo "Usage: $0 <AdminPassword>" exit 1 fi ADMIN_PASSWORD=$1 #
Step 1: Remove any existing MongoDB source list files sudo rm
/etc/apt/sources.list.d/mongodb-org-* # Step 2: Install necessary tools for key
management and downloading files sudo apt-get install -y gnupg curl # Step 3:
Download and save the MongoDB public key for package verification curl -fsSL
https://www.mongodb.org/static/pgp/server-8.0.asc | sudo gpg -o
/usr/share/keyrings/mongodb-server-8.0.gpg # Step 4: Add MongoDB repository to
the system's source list echo "deb [ arch=amd64,arm64 signed-
by=/usr/share/keyrings/mongodb-server-8.0.gpg ]
https://repo.mongodb.org/apt/ubuntu jammy/mongodb-org/8.0 multiverse" | sudo tee
/etc/apt/sources.list.d/mongodb-org-8.0.list # Step 5: Update the package list
sudo apt-get update # Step 6: Install MongoDB package sudo apt-get install -y
mongodb-org # Step 7: Start and enable MongoDB service sudo systemctl start
mongod sudo systemctl enable mongod # Step 8: Check MongoDB service status sudo
systemctl status mongod # Step 9: Display installed MongoDB version mongod
--version # Step 10: Open MongoDB configuration file for editing (optional -
manual step) echo "Please manually enable 'authorization' in /etc/mongod.conf,
under the 'security' section." echo "Example:" echo "security:" echo "
authorization: enabled" echo "Once done, press any key to continue." read -n 1
-s # Step 11: Restart MongoDB to apply changes sudo systemctl restart mongod #
Step 12: Create Admin User (automated using provided password) mongosh --eval "
use admin; db.createUser({ user: 'Admin', pwd: '$ADMIN_PASSWORD',
roles: [{ role: 'readWrite', db: 'admin' }] });" # Step 13: Done message echo
"■ MongoDB installed, configured, and admin user created successfully."
```

Instructions to Run

1. Save the script as install_mongodb.sh

2. Make it executable:

```
chmod +x install_mongodb.sh
```

3. Run the script with your desired admin password:

```
./install_mongodb.sh "YourSecurePassword123"
```

Note: During execution, you will be asked to manually edit /etc/mongod.conf to enable authorization.

Once authorization is enabled, the script will restart MongoDB and create the Admin user automatically.

Example Edit (Step 10):

security:

 authorization: enabled

Produced by: Litwebs Group Ltd (Customized by your technical team)