

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)