

# installatie



## context

dit document bevat een bash script om Debian12 klaar te maken voor [NMIS installatie](#).

```
#!/bin/bash
# =====
# NMIS 9.6.2 Prerequisites Setup Script for Debian 12 (Bookworm)
# =====
# This script prepares a clean Debian 12 system for installing NMIS 9.6.2.
# It installs all necessary build tools, Perl dependencies, SNMP utilities,
# and MongoDB 7.0 (officially supported by NMIS 9.6.2).
# All actions and output are logged to /var/log/nmis9_provision.log
# =====

set -e # Exit immediately on error
set -o pipefail

# --- Logging setup -----
----
LOGFILE="/var/log/nmis9_provision.log"
exec > >(tee -a "$LOGFILE") 2>&1

echo "=====
echo " NMIS 9.6.2 Debian 12 Provisioning Script"
echo " Log file: $LOGFILE"
echo " Started on: $(date)"
echo "=====

# --- Step 1: Update and upgrade system packages -----
----
echo "=== STEP 1: Update and upgrade system packages ==="
apt update && apt full-upgrade -y

# --- Step 2: Install general utilities -----
----
echo "=== STEP 2: Install general utilities ==="
apt install -y curl wget gnupg lsb-release ca-certificates apt-transport-https
```

```
# --- Step 3: Install build tools and Perl development libraries -----
----
echo "=== STEP 3: Install build tools and Perl development libraries ==="
apt install -y \
  build-essential make gcc g++ \
  libperl-dev perl-modules perl-doc \
  libssl-dev libreadline-dev zlib1g-dev \
  libsnmp-dev libxml-simple-perl libnet-snmp-perl \
  libjson-xs-perl libdata-dumper-simple-perl \
  libdbi-perl libdbd-mysql-perl \
  libio-socket-ssl-perl libcrypt-ssleay-perl \
  libmojolicious-perl libterm-readkey-perl \
  cpanminus

# --- Step 4: Install networking and SNMP utilities -----
----
echo "=== STEP 4: Install networking and SNMP utilities ==="
apt install -y snmp snmpd netcat fping iputils-ping traceroute unzip tar git

# --- Step 5: Optional Apache web stack -----
----
echo "=== STEP 5: (Optional) Install Apache web server and mod_perl ==="
# Comment out this line if you prefer to use NMIS's internal Mojolicious web
service
apt install -y apache2 libapache2-mod-perl2

# --- Step 6: Add official MongoDB 7.0 repository -----
----
echo "=== STEP 6: Add official MongoDB 7.0 repository ==="
wget -q0 - https://www.mongodb.org/static/pgp/server-7.0.asc | gpg --dearmor
-o /usr/share/keyrings/mongodb-server-7.0.gpg
echo "deb [signed-by=/usr/share/keyrings/mongodb-server-7.0.gpg]
https://repo.mongodb.org/apt/debian bookworm/mongodb-org/7.0 main" \
  > /etc/apt/sources.list.d/mongodb-org-7.0.list

# --- Step 7: Install MongoDB 7.0 -----
----
echo "=== STEP 7: Install MongoDB 7.0 ==="
apt update
apt install -y mongodb-org

# --- Step 8: Enable and start MongoDB service -----
----
echo "=== STEP 8: Enable and start MongoDB service ==="
systemctl enable mongod
systemctl start mongod

# --- Step 9: Pre-install key Perl modules via cpanminus -----
----
echo "=== STEP 9: Pre-install key Perl modules via cpanminus ==="
cpanm \
```

```
Mojolicious \  
Mojo::UserAgent \  
Mojo::File \  
Term::ReadKey \  
Devel::Size \  
File::Spec \  
Sys::Hostname \  
Data::Dumper \  
JSON \  
Config::Tiny  
  
# --- Step 10: Verify MongoDB service is active -----  
-----  
echo "=== STEP 10: Verify MongoDB service is active ==="  
systemctl status mongod --no-pager || true  
  
# --- Step 11: Print summary -----  
-----  
echo  
echo "=====  
echo " Debian 12 provisioning for NMIS 9.6.2 completed successfully!"  
echo " Log file saved at: $LOGFILE"  
echo  
echo "Next steps:"  
echo "  1. Download the NMIS installer:"  
echo "      curl -O https://downloads.opmantek.com/install_nmis9"  
echo "  2. Make it executable and run:"  
echo "      chmod +x install_nmis9 && sudo ./install_nmis9"  
echo  
echo "To review what happened:"  
echo "      less $LOGFILE"  
echo  
echo "Finished on: $(date)"  
echo "=====
```

## Problemen, problemen

- Open `/var/log/nmis9_provision.log`

## meer info

[nmis](#)

From:

<https://www.louslab.be/> - **Lou's lab**

Permanent link:

[https://www.louslab.be/doku.php?id=nmis:provisioning\\_script&rev=1761391869](https://www.louslab.be/doku.php?id=nmis:provisioning_script&rev=1761391869)



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