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 -qO - 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 "========================================================================"
```

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nmis

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

Permanent link:
https://www.louslab.be/doku.php?id=nmis:provisioning_script&rev=1761391369

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