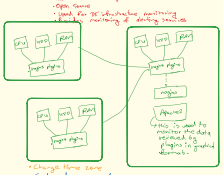
NAGIOS

- Also known as Nagios core
- Open Source
- Used for IT infrastructure monitoring
- Monitoring of drifting services



- Change time zone
  sudo dpkg-reconfigure tzdata
  - Command line wizard to change data will appear.
- Install all the nagios dependencies
  sudo apt-get install apache2 apache2-utils autoconf gcc libc6 libgd-dev libkrb5-dev make php python3 wee unzip wget libkrb5-dev openssl
- Download & extract Nagios source code.
  tar zxf nagios.tar.gz
  gzk ↓ zfk
  extract
- Compile & configure
  configure → this file helps to check if all the files are there in the extracted folder, all the essentials.
  sudo ./configure --with-http-conf=/etc/apache2/sites-enabled/
  For compilling
  sudo make all
  will call gcc & compile the data.
- Create nagios user & group.
  we are doing this manually, when installed via package manager, it automatically creates users & groups for us.
- Install the binaries
  sudo make install-groups-users
  (Installs the compiled files & also creates group & user-named nagios)
- Add www-data to the nagios group.
  Apache user
  - this helps apache to access nagios files.
  sudo usermod -aG www-datd nagios.
- Set auto start to nagios, at reboot
  sudo make install-daemoninit
  ↳ this basically tells to read from the make file of nagios & install the config files accordingly.
- Install command mode
  so we can access nagios
  sudo make install-commandmode
- Install config files.
  - the whole nagios is installed in /usr/local/nagios
  - we need to install config files from source code file to the installed directory.
  - sudo make install-config.
- Install apache config files
  - sudo make install-webconf
  - directly installs web config files in apache directory.
- Create nagiosadmin user-admin account.
  sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
  We made a website using apache, so every user should not be able to access this website, so we are using htpasswd to create a user. (apache util)
- Verify the installation & config files
  sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
- Enable module in apache (we need 2 modules)
  sudo a2enmod cgi
  ↓ apache2enablemodule
  sudo a2enmod rewrite
  sudo systemctl restart apache2
  sudo systemctl start nagios.

The BIG PICTURE

- We are basically installing Nagios with source code
- First we install all required dependencies
- Then we need apache2 because we need GUI to run our Nagios