

Nagios Plugins - Installing Nagios Plugins From Source

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Overview

This KB article provides instructions on installing Nagios Plugins from source. You will have observed that most of the existing documentation already includes steps on installing the plugins which are not included in those instructions. The goal of this documentation is to provide the instructions to install every possible plugin that exists.

Nagios Plugins 2.2.1 is what this guide instructs you to install, however future versions should also work fine with these steps.

Some considerations:

- It is assumed that you are logged onto the machine you are installing Nagios Plugins as the **root** user, or a user with sufficient privileges.
- All of the steps below were tested on the operating systems (OS) listed after a clean install of the OS.
- Some OS's like Ubuntu and SUSE have stricter user permissions, in those cases the listed commands have **sudo** in front of them to ensure you are able to complete the steps.
- A best effort has been made to ensure if you follow all the relevant steps you will end up with a working installation of Nagios Plugins.

The KB article is broken up into the following steps:

- Install Prerequisites - Common
- Install Prerequisites - Package XYZ
 - Some plugins (MySQL for example) require additional libraries and have their own section. They are also in their own section as not everyone requires to monitor that space
 - Some sections are only populated with a few OS's, this is because the required packages already exist in a base installation of the OS and hence do not require additional
- Download Nagios Plugins
- Compile and Install Nagios Plugins

Please select your OS:

- [Red Hat Enterprise Linux \(RHEL\)](#)
- [CentOS](#)
- [Oracle Linux](#)
- [Ubuntu](#)
- [SUSE SLES | openSUSE Leap](#)
- [Debian](#)
- [Raspbian](#)
- [Fedora](#)
- [Arch Linux](#)
- [Gentoo](#)
- [FreeBSD](#)
- [Solaris](#)

RHEL | CentOS | Oracle Linux

Prerequisites - Common

These are the common set of packages required for compiling most of the plugins. SNMP and required modules are included here as they are one of the most common types of network

CentOS 5.x

```
yum install -y gcc glibc glibc-common make gettext automake wget openssl-devel net-snmp net-snmp-utils epel-release
yum install -y perl-Net-SNMP
cd /tmp
wget http://ftp.gnu.org/gnu/autoconf/autoconf-2.60.tar.gz
tar xzf autoconf-2.60.tar.gz
cd /tmp/autoconf-2.60
./configure
make
make install
```

CentOS 6.x / 7.x

```
yum install -y gcc glibc glibc-common make gettext automake autoconf wget openssl-devel net-snmp net-snmp-utils epel-release
yum install -y perl-Net-SNMP
```

RHEL 5.x | Oracle Linux 5.x

```
cd /tmp
wget http://archives.fedoraproject.org/pub/archive/epel/epel-release-latest-5.noarch.rpm
rpm -ihv epel-release-latest-5.noarch.rpm
yum install -y gcc glibc glibc-common make gettext automake wget openssl-devel net-snmp net-snmp-utils
yum install -y perl-Net-SNMP
wget http://ftp.gnu.org/gnu/autoconf/autoconf-2.60.tar.gz
tar xzf autoconf-2.60.tar.gz
cd /tmp/autoconf-2.60
./configure
make
make install
```

RHEL 6.x | Oracle Linux 6.x

```
cd /tmp
wget https://dl.fedoraproject.org/pub/epel/epel-release-latest-6.noarch.rpm
rpm -ihv epel-release-latest-6.noarch.rpm
yum install -y gcc glibc glibc-common make gettext automake autoconf wget openssl-devel net-snmp net-snmp-utils
yum install -y perl-Net-SNMP
```

RHEL 7.x

```
cd /tmp
wget https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm
rpm -ihv epel-release-latest-7.noarch.rpm
subscription-manager repos --enable=rhel-7-server-optional-rpms
yum install -y gcc glibc glibc-common make gettext automake autoconf wget openssl-devel net-snmp net-snmp-utils
yum install -y perl-Net-SNMP
```

Oracle Linux 7.x

```
yum install -y yum-utils
yum-config-manager --enable ol7_optional_latest
cd /tmp
wget https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm
rpm -ihv epel-release-latest-7.noarch.rpm
yum install -y gcc glibc glibc-common make gettext automake autoconf wget openssl-devel net-snmp net-snmp-utils
yum install -y perl-Net-SNMP
```

Prerequisites - check_pgsq

This is required for the `check_pgsq` plugin.

```
yum install -y postgresql-devel
```

Prerequisites - check_dbi

This is required for the `check_dbi` plugin.

CentOS | RHEL 5.x | Oracle Linux 5.x / 6.x

```
yum install -y libdbi-devel
```

RHEL 6.x

```
subscription-manager repos --enable=rhel-6-server-optional-rpms
yum install -y libdbi-devel
```

RHEL 7.x

```
subscription-manager repos --enable=rhel-7-server-optional-rpms
yum install -y libdbi-devel
```

Oracle Linux 7.x

```
yum install -y yum-utils
yum-config-manager --enable ol7_optional_latest
cd /tmp
wget https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm
rpm -ihv epel-release-latest-7.noarch.rpm
yum install -y libdbi-devel
```

Prerequisites - check_radius

This is required for the `check_radius` plugin.

```
cd /tmp
wget -O freeradius-client.tar.gz https://github.com/FreeRADIUS/freeradius-client/archive/release_1_1_7.tar.gz
```

```
tar xzf freeradius-client.tar.gz
cd freeradius-client-release_1_1_7/
./configure
make
make install
```

Prerequisites - check_ldap

This is required for the `check_ldap` plugin.

```
yum install -y openldap-devel
```

Prerequisites - check_mysql check_mysql_query

This is required for the `check_mysql` and `check_mysql_query` plugins.

CentOS 5.x / 6.x | RHEL 5.x / 6.x | Oracle Linux 5.x / 6.x

```
yum install -y mysql-devel mysql-libs
```

CentOS 7.x | RHEL 7.x

```
yum install -y mariadb-devel mariadb-libs
```

Oracle Linux 7.x

```
cd /tmp
wget http://repo.mysql.com/mysql-community-release-el7-5.noarch.rpm
rpm -ivh mysql-community-release-el7-5.noarch.rpm
yum update -y
yum install -y mysql-community-devel mysql-community-libs
```

Prerequisites - check_dig check_dns

This is required for the `check_dig` and `check_dns` plugins.

```
yum install -y bind-utils
```

Prerequisites - check_disk_smb

This is required for the `check_disk_smb` plugin.

```
yum install -y samba-client
```

Prerequisites - check_game

This is required for the `check_game` plugin.

This package comes from the EPEL repository (*EPEL was enabled in the "Prerequisites - Common" section*).

```
yum install -y qstat
```

Prerequisites - check_fping

This is required for the `check_fping` plugin.

This package comes from the EPEL repository (*EPEL was enabled in the "Prerequisites - Common" section*).

```
yum install -y fping
```

Prerequisites - check_by_ssh

This is required for the `check_by_ssh` plugin.

```
yum install -y openssh-clients
```

Prerequisites - check_sensors

This is required for the `check_sensors` plugin.

```
yum install -y lm_sensors
```

Prerequisites - check_mailq

This is required for the `check_mailq` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_flexm

The `check_flexm` plugin requires `lmstat` from Globetrotter Software to monitor flexm licenses. This a commercial product, you will need to contact them for instructions on how to

Downloading the Source

```
cd /tmp
wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.2.1.tar.gz
tar xzf nagios-plugins.tar.gz
```

Compile + Install

```
cd /tmp/nagios-plugins-release-2.2.1/
./tools/setup
./configure
make
make install
```

Plugin Installation Location

The plugins will now be located in `/usr/local/nagios/libexec/`.

Ubuntu

Prerequisites - Common

These are the common set of packages required for compiling most of the plugins. SNMP and required modules are included here are they are one of the most common types of net

```
sudo apt-get update
sudo apt-get install -y autoconf gcc libc6 libmcrypto-dev make libssl-dev wget bc gawk dc build-essential snmp libnet-snmp-perl gettext
```

Prerequisites - check_pgsql

This is required for the `check_pgsql` plugin.

```
sudo apt-get install -y libpqxx3-dev
```

Prerequisites - check_dbi

This is required for the `check_dbi` plugin.

```
sudo apt-get install -y libdbi-dev
```

Prerequisites - check_radius

This is required for the `check_radius` plugin.

Ubuntu 13.x

```
cd /tmp
wget https://github.com/FreeRADIUS/freeradius-client/archive/release_1_1_7.tar.gz
tar xzf release_1_1_7.tar.gz
cd freeradius-client-release_1_1_7/
sudo ./configure
sudo make
sudo make install
```

Ubuntu 14.x / 15.x / 16.x

```
sudo apt-get install -y libfreeradius-client-dev
```

Prerequisites - check_ldap

This is required for the `check_ldap` plugin.

```
sudo apt-get install -y libldap2-dev
```

Prerequisites - check_mysql check_mysql_query

This is required for the `check_mysql` and `check_mysql_query` plugins.

```
sudo apt-get install -y libmysqlclient-dev
```

```
sudo apt-get install -y libmysqldb-dev
```

Prerequisites - check_dig check_dns

This is required for the `check_dig` and `check_dns` plugins.

```
sudo apt-get install -y dnsutils
```

Prerequisites - check_disk_smb

This is required for the `check_disk_smb` plugin.

```
sudo apt-get install -y smbclient
```

Prerequisites - check_game

This is required for the `check_game` plugin.

This package comes from the EPEL repository (*EPEL was enabled in the "Prerequisites - Common" section*).

```
sudo apt-get install -y qstat
```

Prerequisites - check_fping

This is required for the `check_fping` plugin.

This package comes from the EPEL repository (*EPEL was enabled in the "Prerequisites - Common" section*).

```
sudo apt-get install -y fping
```

Prerequisites - check_mailq

This is required for the `check_mailq` plugin.

```
sudo apt-get install -y qmail-tools
```

Prerequisites - check_flexm

The `check_flexm` plugin requires `lmstat` from Globetrotter Software to monitor flexm licenses. This a commercial product, you will need to contact them for instructions on how to

Downloading the Source

```
cd /tmp
wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.2.1.tar.gz
tar xzf nagios-plugins.tar.gz
```

Compile + Install

```
cd /tmp/nagios-plugins-release-2.2.1/
sudo ./tools/setup
sudo ./configure
sudo make
sudo make install
```

Plugin Installation Location

The plugins will now be located in `/usr/local/nagios/libexec/`.

SUSE SLES | openSUSE Leap

Prerequisites - Common

These are the common set of packages required for compiling most of the plugins. SNMP and required modules are included here are they are one of the most common types of net

SUSE SLES 11.3

```
cd /tmp
wget 'https://nu.novell.com/repo/$RCE/SLE11-SDK-SP3-Pool/sle-11-x86_64/rpm/x86_64/sle-sdk-release-11.3-1.69.x86_64.rpm'
wget 'https://nu.novell.com/repo/$RCE/SLE11-SDK-SP3-Pool/sle-11-x86_64/rpm/x86_64/sle-sdk-release-SDK-11.3-1.69.x86_64.rpm'
sudo rpm -ivh sle-sdk-release-*
sudo suse_register
sudo zypper --non-interactive install autoconf gcc glibc libmbedtls-devel make libopenssl-devel wget gettext gettext-runtime automake ne
```

SUSE SLES 11.4

```
cd /tmp
wget 'https://nu.novell.com/repo/$RCE/SLE11-SDK-SP4-Pool/sle-11-x86_64/rpm/x86_64/sle-sdk-release-11.4-1.55.x86_64.rpm'
wget 'https://nu.novell.com/repo/$RCE/SLE11-SDK-SP4-Pool/sle-11-x86_64/rpm/x86_64/sle-sdk-release-SDK-11.4-1.55.x86_64.rpm'
sudo rpm -ivh sle-sdk-release-*
sudo suse_register
sudo zypper --non-interactive install autoconf gcc glibc libmbedtls-devel make libopenssl-devel wget gettext gettext-runtime automake ne
```

SUSE SLES 12

```
sudo SUSEConnect -p sle-sdk/12/x86_64
sudo SUSEConnect -p sle-module-web-scripting/12/x86_64
sudo zypper --non-interactive install autoconf gcc glibc libmbedtls-devel make libopenssl-devel wget gettext gettext-runtime automake ne
```

SUSE SLES 12.1

```
sudo SUSEConnect -p sle-sdk/12.1/x86_64
sudo SUSEConnect -p sle-module-web-scripting/12/x86_64
sudo zypper --non-interactive install autoconf gcc glibc libmbedtls-devel make libopenssl-devel wget gettext gettext-runtime automake ne
```

SUSE SLES 12.2

```
sudo SUSEConnect -p sle-sdk/12.2/x86_64
sudo SUSEConnect -p sle-module-web-scripting/12/x86_64
sudo zypper --non-interactive install autoconf gcc glibc libmbedtls-devel make libopenssl-devel wget gettext gettext-runtime automake ne
```

openSUSE Leap 42.1

```
sudo zypper --non-interactive install autoconf gcc glibc libmbedtls-devel make libopenssl-devel wget gettext gettext-runtime automake ne
```

Prerequisites - check_pgsql

This is required for the `check_pgsql` plugin.

```
sudo zypper --non-interactive install postgresql94-devel
```

Prerequisites - check_dbi

This is required for the `check_dbi` plugin.

SUSE SLES 11.x

```
cd /tmp
wget https://downloads.sourceforge.net/project/libdbi/libdbi/libdbi-0.9.0/libdbi-0.9.0.tar.gz
tar xzf libdbi-0.9.0.tar.gz
cd libdbi-0.9.0/
sudo ./configure
sudo make
sudo make install
```

SUSE SLES 12.x | openSUSE

```
sudo zypper --non-interactive install libdbi-devel
```

Prerequisites - check_radius

This is required for the `check_radius` plugin.

```
sudo zypper --non-interactive install freeradius-client-devel
```

Prerequisites - check_ldap

This is required for the `check_ldap` plugin.

```
sudo zypper --non-interactive install openldap2-devel
```

Prerequisites - check_mysql check_mysql_query

This is required for the `check_mysql` and `check_mysql_query` plugins.

```
sudo zypper --non-interactive install libmysqlclient-devel
```

Prerequisites - check_dig check_dns

This is required for the `check_dig` and `check_dns` plugins.

```
sudo zypper --non-interactive install bind-utils
```

Prerequisites - check_disk_smb

This is required for the `check_disk_smb` plugin.

```
sudo zypper --non-interactive install samba-client
```

Prerequisites - check_game

This is required for the `check_game` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_fping

This is required for the `check_fping` plugin.

This package comes from the EPEL repository (*EPEL was enabled in the "Prerequisites - Common" section*).

```
sudo zypper --non-interactive install fping
```

Prerequisites - check_mailq

This is required for the `check_mailq` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_flexm

The `check_flexm` plugin requires `lmstat` from Globetrotter Software to monitor flexlm licenses. This a commercial product, you will need to contact them for instructions on how to

Downloading the Source

```
cd /tmp
wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.2.1.tar.gz
tar xzf nagios-plugins.tar.gz
```

Compile + Install

```
cd /tmp/nagios-plugins-release-2.2.1/
sudo ./tools/setup
sudo ./configure
sudo make
sudo make install
```

Plugin Installation Location

The plugins will now be located in `/usr/local/nagios/libexec/`.

Debian | Raspbian

All steps on Debian require to run as root. To become root simply run:

Debian:

```
su
```

Raspbian:

```
sudo -i
```

All commands from this point onwards will be as root.

Prerequisites - Common

These are the common set of packages required for compiling most of the plugins. SNMP and required modules are included here are they are one of the most common types of net

```
apt-get update
apt-get install -y autoconf automake gcc libc6 libmcrypt-dev make libssl-dev wget bc gawk dc build-essential snmp libnet-snmp-perl gett
```

Prerequisites - check_pgsql

This is required for the `check_pgsql` plugin.

```
apt-get install -y libpqxx3-dev
```

Prerequisites - check_dbi

This is required for the `check_dbi` plugin.

```
apt-get install -y libdbi-dev
```

Prerequisites - check_radius

This is required for the `check_radius` plugin.

Debian 7.x

```
cd /tmp
wget https://github.com/FreeRADIUS/freeradius-client/archive/release_1_1_7.tar.gz
tar xzf release_1_1_7.tar.gz
cd freeradius-client-release_1_1_7/
./configure
make
make install
```

Debian 8.x

```
apt-get install -y libfreeradius-client-dev
```

Prerequisites - check_ldap

This is required for the `check_ldap` plugin.

```
sudo apt-get install -y libldap2-dev
```

Prerequisites - check_mysql check_mysql_query

This is required for the `check_mysql` and `check_mysql_query` plugins.

```
apt-get install -y libmysqlclient-dev
```

On Debian 10.x, you need these packages instead:

```
apt-get install -y libmariadbclient-dev libmariadbclient-dev-compat
```

Prerequisites - check_dig check_dns

This is required for the `check_dig` and `check_dns` plugins.

```
apt-get install -y dnstools
```

Prerequisites - check_disk_smb

This is required for the `check_disk_smb` plugin.

```
apt-get install -y smbclient
```

Prerequisites - check_game

This is required for the `check_game` plugin.

```
apt-get install -y qstat
```

Prerequisites - check_fping

This is required for the `check_fping` plugin.

```
apt-get install -y fping
```

Prerequisites - check_mailq

This is required for the `check_mailq` plugin.

```
apt-get install -y qmail-tools
```

Prerequisites - check_flexm

The `check_flexm` plugin requires `lmstat` from Globetrotter Software to monitor flexm licenses. This a commercial product, you will need to contact them for instructions on how to

Downloading the Source

Downloading the Source

```
cd /tmp
wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.2.1.tar.gz
tar xzf nagios-plugins.tar.gz
```

Compile + Install

```
cd /tmp/nagios-plugins-release-2.2.1/
./tools/setup
./configure
make
make install
```

Plugin Installation Location

The plugins will now be located in `/usr/local/nagios/libexec/`.

Fedora

Prerequisites - Common

These are the common set of packages required for compiling most of the plugins. SNMP and required modules are included here are they are one of the most common types of net

```
dnf install -y gcc glibc glibc-common openssl-devel perl wget gettext make net-snmp net-snmp-utils perl-Net-SNMP automake autoconf
```

Prerequisites - check_pgsql

This is required for the `check_pgsql` plugin.

```
dnf install -y libpqxx-devel
```

Prerequisites - check_dbi

This is required for the `check_dbi` plugin.

```
dnf install -y libdbi-devel
```

Prerequisites - check_radius

This is required for the `check_radius` plugin.

```
dnf install -y freeradius-client-devel
```

Prerequisites - check_ldap

This is required for the `check_ldap` plugin.

```
dnf install -y openldap-devel
```

Prerequisites - check_mysql check_mysql_query

This is required for the `check_mysql` and `check_mysql_query` plugins.

```
dnf install -y community-mysql-devel
```

Prerequisites - check_disk_smb

This is required for the `check_disk_smb` plugin.

```
dnf install -y samba-client
```

Prerequisites - check_game

This is required for the `check_game` plugin.

```
dnf install -y qstat
```

Prerequisites - check_fping

This is required for the `check_fping` plugin.

```
dnf install -y fping
```

Prerequisites - check_mailq

This is required for the `check_mailq` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_flexm

The `check_flexm` plugin requires `lmstat` from Globetrotter Software to monitor flexm licenses. This a commercial product, you will need to contact them for instructions on how to

Downloading the Source

```
cd /tmp
wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.2.1.tar.gz
tar xzf nagios-plugins.tar.gz
```

Compile + Install

```
cd /tmp/nagios-plugins-release-2.2.1/
./tools/setup
./configure
make
make install
```

Plugin Installation Location

The plugins will now be located in `/usr/local/nagios/libexec/`.

Arch Linux

Prerequisites - Common

These are the common set of packages required for compiling most of the plugins. SNMP and required modules are included here are they are one of the most common types of net

```
pacman --noconfirm -Syyu
pacman --noconfirm -S gcc glibc make wget unzip apache php gd traceroute php-apache
```

Prerequisites - check_pgsqI

This is required for the `check_pgsqI` plugin.

```
pacman --noconfirm -S postgresql
```

Prerequisites - check_dbi

This is required for the `check_dbi` plugin.

```
pacman --noconfirm -S libdbi
```

Prerequisites - check_radius

This is required for the `check_radius` plugin.

```
pacman --noconfirm -S freeradius-client
```

Prerequisites - check_ldap

This is required for the `check_ldap` plugin.

```
pacman --noconfirm -S openldap
```

Prerequisites - check_mysql check_mysql_query

This is required for the `check_mysql` and `check_mysql_query` plugins.

```
pacman --noconfirm -S libmariadbclient
```

Prerequisites - check_dig check_dns

This is required for the `check_dig` and `check_dns` plugins.

```
pacman --noconfirm -S dnstools
```

Prerequisites - check_disk_smb

This is required for the `check_disk_smb` plugin.

This is required for the `check_disk_smb` plugin.

```
pacman --noconfirm -S smbclient
```

Prerequisites - check_game

This is required for the `check_game` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_fping

This is required for the `check_fping` plugin.

```
pacman --noconfirm -S fping
```

Prerequisites - check_by_ssh

This is required for the `check_by_ssh` plugin.

```
pacman --noconfirm -S openssh
```

Prerequisites - check_sensors

This is required for the `check_sensors` plugin.

```
pacman --noconfirm -S lm_sensors
```

Prerequisites - check_mailq

This is required for the `check_mailq` plugin.

```
pacman --noconfirm -S postfix
```

qmail has been depreciated on Arch Linux and hence the `qmail-qstat` or equivalent command cannot be found.

Prerequisites - check_flexm

The `check_flexm` plugin requires `lmstat` from Globetrotter Software to monitor flexm licenses. This a commercial product, you will need to contact them for instructions on how to

Downloading the Source

```
cd /tmp
wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.2.1.tar.gz
tar xzf nagios-plugins.tar.gz
```

Compile + Install

```
cd /tmp/nagios-plugins-release-2.2.1/
./tools/setup
./configure
make
make install
```

Plugin Installation Location

The plugins will now be located in `/usr/local/nagios/libexec/`.

Gentoo

Prerequisites - Common

These are the common set of packages required for compiling most of the plugins. SNMP and required modules are included here are they are one of the most common types of net

```
emerge --sync
emerge --noreplace sys-devel/gcc sys-libs/glibc net-misc/wget sys-devel/make sys-devel/gettext sys-devel/automake sys-devel/autoconf de
```

Prerequisites - check_pgsql

This is required for the `check_pgsql` plugin.

```
emerge --noreplace dev-db/postgresql
```

Prerequisites - check_dbi

This is required for the `check_dbi` plugin.

```
emerge --noreplace dev-db/libdbi
```

Prerequisites - check_radius

This is required for the `check_radius` plugin.

```
emerge --noreplace net-dialup/freeradius-client
```

Prerequisites - check_ldap

This is required for the `check_ldap` plugin.

```
emerge --noreplace net-nds/openldap
```

Prerequisites - check_mysql check_mysql_query

This is required for the `check_mysql` and `check_mysql_query` plugins. If you don't want to install the server component (client is only required) execute these commands first:

```
mkdir -p /etc/portage/package.use
echo "dev-db/mysql -server" >> /etc/portage/package.use/mysql
```

Install packages:

```
emerge --noreplace dev-db/mysql
```

Prerequisites - check_dig check_dns

The `check_dig` and `check_dns` plugin prerequisites will already be installed.

Prerequisites - check_disk_smb

This is required for the `check_disk_smb` plugin.

```
mkdir -p /etc/portage/package.use
echo "net-fs/samba client" >> /etc/portage/package.use/samba
echo "sys-libs/tdb python" >> /etc/portage/package.use/tdb
echo "sys-libs/tevent python" >> /etc/portage/package.use/tevent
emerge --noreplace net-fs/samba
```

Prerequisites - check_game

This is required for the `check_game` plugin.

```
emerge --noreplace games-util/qstat
```

Prerequisites - check_fping

This is required for the `check_fping` plugin.

```
emerge --noreplace net-analyzer/fping
```

Prerequisites - check_by_ssh

The `check_by_ssh` plugin prerequisites will already be installed.

Prerequisites - check_sensors

This is required for the `check_sensors` plugin.

```
emerge --noreplace sys-apps/lm_sensors
```

Prerequisites - check_mailq

This is required for the `check_mailq` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_flexm

The `check_flexm` plugin requires `lmstat` from Globetrotter Software to monitor flexm licenses. This a commercial product, you will need to contact them for instructions on how to

Downloading the Source

```
cd /tmp
wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.2.1.tar.gz
tar xzf nagios-plugins.tar.gz
```

Compile + Install

```
cd /tmp/nagios-plugins-release-2.2.1/
./tools/setup
./configure
make
make install
chmod u+s /bin/ping
chmod u+s /bin/ping6
```

Plugin Installation Location

The plugins will now be located in `/usr/local/nagios/libexec/`.

FreeBSD

Prerequisites - Common

These are the common set of packages required for compiling most of the plugins. SNMP and required modules are included here are they are one of the most common types of net

```
pkg install -y wget autoconf automake gmake gettext gcc openssl net-snmp p5-Net-SNMP-Util
```

Prerequisites - check_pgsql

This is required for the `check_pgsql` plugin.

```
pkg install -y postgresql-libpqxx
```

Prerequisites - check_dbi

This is required for the `check_dbi` plugin.

```
pkg install -y libdbi
```

Prerequisites - check_radius

This is required for the `check_radius` plugin.

```
pkg install -y freeradius-client
```

Prerequisites - check_ldap

This is required for the `check_ldap` plugin.

```
pkg install -y openldap-client
```

Prerequisites - check_mysql check_mysql_query

This is required for the `check_mysql` and `check_mysql_query` plugins.

```
pkg install -y mysql57-client
```

Prerequisites - check_dig check_dns

This is required for the `check_dig` and `check_dns` plugins.

```
pkg install -y bind-tools
```

Prerequisites - check_disk_smb

This is required for the `check_disk_smb` plugin.

```
pkg install -y samba44
```

Prerequisites - check_game

This is required for the `check_game` plugin.

```
pkg install -y qstat
```

Prerequisites - check_fping

This is required for the `check_fping` plugin.

```
pkg install -y fping
```

Prerequisites - check_mailq

This is required for the `check_mailq` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_flexm

The `check_flexm` plugin requires `lmstat` from Globetrotter Software to monitor flexm licenses. This a commercial product, you will need to contact them for instructions on how to

Downloading the Source

```
cd /tmp
wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.2.1.tar.gz
tar xzf nagios-plugins.tar.gz
```

Compile + Install

```
cd /tmp/nagios-plugins-release-2.2.1/
./tools/setup
./configure
make
make install
```

Plugin Installation Location

The plugins will now be located in `/usr/local/nagios/libexec/`.

Solaris

Prerequisites - Common

These are the common set of packages required for compiling most of the plugins.

Solaris 10.x

```
echo 'PATH=/usr/sfw/bin:/usr/ccs/bin:/opt/csw/bin:/opt/csw/sbin:$PATH' >> $HOME/.profile
echo 'export PATH' >> $HOME/.profile
. $HOME/.profile
pkgadd -d http://get.opencsw.org/now
answer all
answer y
perl -ni.bak -le 'print; print "mirror=http://mirrors.ibiblio.org/opencsw/stable" if /mirror=/ ' /etc/opt/csw/pkgutil.conf
pkgutil -y -i autoconf
pkgutil -y -i automake
```

Solaris 11.x

```
echo 'export PATH=$PATH:/opt/csw/bin:/usr/xpg4/bin:/usr/sfw/bin' >> ~/.profile
source ~/.profile
pkgadd -d http://get.opencsw.org/now
answer all
answer y
perl -ni.bak -le 'print; print "mirror=http://mirrors.ibiblio.org/opencsw/stable" if /mirror=/ ' /etc/opt/csw/pkgutil.conf
pkgutil -y -i autoconf
pkgutil -y -i automake
pkg install gcc-45
```

Solaris Note: Some of the plugins require the `NET::SNMP` perl module. Please refer to the following documentation:

<http://www.net-snmp.org/docs/README.solaris.html>

Prerequisites - check_pgsql

This is required for the `check_pgsql` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_dbi

This is required for the `check_dbi` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_radius

This is required for the `check_radius` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_ldap

This is required for the `check_ldap` plugin.

```
pkgutil -y -i openldap_dev
```

Prerequisites - check_mysql check_mysql_query

This is required for the `check_mysql` and `check_mysql_query` plugins.

```
pkgutil -y -i mysql_dev
```

Prerequisites - check_disk_smb

This is required for the `check_disk_smb` plugin.

```
pkgutil -y -i samba_client
```

Prerequisites - check_fping

This is required for the `check_fping` plugin.

Solaris 10.x

```
pkgutil -y -i fping
```

Solaris 11.x

```
pkg install fping
```

Prerequisites - check_mailq

This is required for the `check_mailq` plugin.

Experienced problems getting this to work. If you have a solution please contact us.

Prerequisites - check_flexm

The `check_flexm` plugin requires `lmstat` from Globetrotter Software to monitor flexm licenses. This a commercial product, you will need to contact them for instructions on how to

Downloading the Source

Solaris 10

```
cd /tmp
wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.2.1.tar.gz
gunzip -c nagios-plugins.tar.gz | tar -xf -
```

Solaris 11.x

```
cd /tmp
wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.2.1.tar.gz
tar zxf nagios-plugins.tar.gz
```

Compile + Install

```
cd /tmp/nagios-plugins-release-2.2.1/
./tools/setup
./configure
gmake
gmake install
```

Plugin Installation Location

Plugin Installation Location

The plugins will now be located in `/usr/local/nagios/libexec/`.

Final Thoughts

For any support related questions please visit the [Nagios Support Forums](#) at:

<http://support.nagios.com/forum/>

Posted by: **tlea** - Sun, Mar 12, 2017 at 8:28 PM. This article has been viewed 63690 times.

Online URL: <https://support.nagios.com/kb/article/nagios-plugins-installing-nagios-plugins-from-source-569.html>