

Nagios installation worksheet  
Afnog 2011 sse

Install the nagios package

```
pkg_add -r nagios nagios plugins
```

you will be prompted to create new a new group and user account

```
pw: unknown group `nagios'  
You need a "nagios" group.  
Would you like me to create it [YES]? yes  
Done.  
pw: no such user `nagios'  
You need a "nagios" user.  
Would you like me to create it [YES]? Yes
```

The following instructions will helpfully be relayed when installation is complete.

Enable Nagios in /etc/rc.conf with the following line:

```
nagios_enable="YES"
```

Configuration templates are available in /usr/local/etc/nagios as \*.cfg-sample files. Copy them to \*.cfg files where required and edit to suit your needs. Documentation is available in HTML form in /usr/local/www/nagios/docs.

If you don't already have a web server running, you will need to install and configure one to finish off your Nagios installation. When used with Apache, the following should be sufficient to publish the web component of Nagios (modify the allow list to suit):

```
<Directory /usr/local/www/nagios>  
    Order deny,allow  
    Deny from all  
    Allow from 127.0.0.1  
    php_flag engine on  
    php_admin_value open_basedir  
/usr/local/www/nagios/:/var/spool/nagios/  
</Directory>  
  
<Directory /usr/local/www/nagios/cgi-bin>  
    Options ExecCGI  
</Directory>  
  
ScriptAlias /nagios/cgi-bin/ /usr/local/www/nagios/cgi-bin/  
Alias /nagios/ /usr/local/www/nagios/
```

we need to enable nagios in the /etc/rc.conf, edit that file.

Add the line:

```
nagios_enable="YES"
```

We need to add local configuration to apache to point at the nagios instance.

```
cd /usr/local/etc/apache22/Includes/
```

Create the new nagios specific configuration for apache.

```
vi nagios.conf
```

Add:

```
<Directory /usr/local/www/nagios>
    Order deny,allow
    Deny from all
    Allow from 127.0.0.1
    php_flag engine on
    php_admin_value open_basedir
/usr/local/www/nagios/:/var/spool/nagios/
</Directory>

<Directory /usr/local/www/nagios/cgi-bin>
    Options ExecCGI
</Directory>

ScriptAlias /nagios/cgi-bin/ /usr/local/www/nagios/cgi-bin/
Alias /nagios/ /usr/local/www/nagios/
```

Then start apache:

```
/usr/local/etc/rc.d/apache22 start
```

rename the sample configuration files in the nagios configuration directory remove sample from the name you can do this manually or using some shell scripting magic like:

```
cd /usr/local/etc/nagios
for i in *-sample; do
    cp $i `basename $i -sample`
done
```

do that also in the objects sub-directory

we need to edit the cgi.conf in /usr/local/etc/nagios/

Edit `cgi.cfg` and uncomment the following line:

```
#default_user_name=guest
```

Change the following lines, adding the word ",guest" at the end of each:

```
authorized_for_system_information=nagiosadmin,guest
authorized_for_configuration_information=nagiosadmin,guest
authorized_for_all_services=nagiosadmin,guest
authorized_for_all_hosts=nagiosadmin,guest
```

edit the nagios.cfg

uncomment the line

```
#cfg_dir=/usr/local/etc/nagios/servers
```

save the file

create the servers directory

create a configuration file for the measurement of your server

```
pcXX.cfg
```

lets measure two services and the availability of the machine.

```
define host {
    host_name 196.200.219.1
    alias 196.200.219.1
    address 196.200.219.1
    contacts admin
    max_check_attempts 10
    use generic-host
    check_command check-host-alive
}
define service {
    use generic-service
    host_name 196.200.219.1
    service_description PING
    check_command check_ping!100.0,20%!500.0,60%
    check_interval 1
    contacts admin
}
define service {
    use generic-service
    host_name 196.200.219.1
    service_description ssh
    check_command check_ssh
}
define service {
    use generic-service
```

save the file.

Now start the nagios service.

```
/usr/local/etc/rc.d/nagios start
```