

PART I

1. Install Nagios

```
# apt-get install nagios2
```

- You will be asked for a password for the nagios admin Web user
- remember it!

2. Create the Web user password file:

```
# htpasswd -c /etc/nagios2/htpasswd.users nagiosadmin
```

```
New password: <type a password>
```

```
Re-type new password: <type password again>
```

2. You should already have a working Nagios!

- Open a browser, and go to

```
http://localhost/nagios2/
```

- At the login prompt, login as:

```
user: nagiosweb
```

```
pass: <the password you chose>
```

3. Let's look at the interface together...

```
# cd /etc/nagios2/
```

```
# ls -l
```

```
-rw-r--r-- 1 root root 1598 2007-09-01 00:03 apache2.conf
-rw-r--r-- 1 root root 9573 2006-12-20 22:20 cgi.cfg
-rw-r--r-- 1 root root 4653 2006-12-20 22:20 commands.cfg
drwxr-xr-x 2 root root 4096 2007-09-01 00:03 conf.d
-rw-r--r-- 1 root root 26 2007-09-01 00:05 htpasswd.users
-rw-r--r-- 1 root root 30431 2006-12-20 22:20 nagios.cfg
-rw-r----- 1 root nagios 1293 2006-12-20 22:19 resource.cfg
drwxr-xr-x 2 root root 4096 2006-12-20 22:20 stylesheets
```

```
# ls -l conf.d/
```

```
-rw-r--r-- 1 root root 1687 2006-12-20 22:19 contacts_nagios2.cfg
-rw-r--r-- 1 root root 413 2006-12-20 22:19 extinfo_nagios2.cfg
-rw-r--r-- 1 root root 1152 2006-12-20 22:19 generic-host_nagios2.cfg
-rw-r--r-- 1 root root 1803 2006-12-20 22:19 generic-
```

```
service_nagios2.cfg
```

```
-rw-r--r-- 1 root root 210 2007-09-01 00:03 host-gateway_nagios2.cfg
-rw-r--r-- 1 root root 976 2006-12-20 22:19 hostgroups_nagios2.cfg
-rw-r--r-- 1 root root 2163 2006-12-20 22:19 localhost_nagios2.cfg
-rw-r--r-- 1 root root 806 2006-12-20 22:19 services_nagios2.cfg
-rw-r--r-- 1 root root 1609 2006-12-20 22:19 timeperiods_nagios2.cfg
```

PART II

1. According to what we saw in class, let's add a new host

- Pick any PC in the room:

```
# cd /etc/nagios2/conf.d/
```

```
# vi pcX.cfg
```

```
define host {
    use         generic-host
    host_name   pc10
    alias       PC 10 at Sanog
    address     169.223.5.10
}
```

... Save and quit

2. Let's create a new hostgroup for the occasion, and add our host to it

- Edit the file hostgroups_nagios2.cfg and add a new group:

```
# vi hostgroups_nagios2.cfg
```

```
define hostgroup {
    hostgroup_name  sanog-pcs
    alias           Sanog PCs
    members         pc10
}
```

3. Now let's associate some services to that host

```
# vi services_nagios2.cfg
```

- Find the section called "check that ssh services are running", and change the line:

```
hostgroup_name          ssh-servers
```

```
to
```

```
hostgroup_name          ssh-servers, sanog-pcs
```

4. Do a "flight check"

```
# nagios2 -v /etc/nagios2/nagios.cfg
```

... You should get :

```
Total Warnings: 0
```

```
Total Errors: 0
```

Things look okay - No serious problems were detected during the pre-flight check

5. Reload Nagios

```
# /etc/init.d/nagios2 reload
```

6. Go to the web interface (<http://localhost/nagios2>) and check the host you just added

7. Add ALL the PCs in the room!

- Add all the PCs in the room to the config
- Check HTTP for all PCs in the room
- Remember to use the flight check!

NOTE:

- This requires a bit of planning, but you should have all the elements for doing this...
- Think well about the logical structure of the files -- it should be possible for you to do this without doing too much work!

8. Let's make a new plugin!

- We'll do this together.