

PNP4Nagios - <http://www.pnp4nagios.org/>

NOTE: ????????? Nagios

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?????

yum install gcc perl-Time-HiRes rrdtool-perl make

tar xzf pnp4nagios-0.6.21.tar.gz

cd pnp4nagios-0.6.21

./configure

NOTE:

?? Nagios ?????????????? nagios????????

./configure --with-nagios-user=icinga --with-nagios-group=icinga

????????????? configure ??

*** Configuration summary for pnp4nagios-0.6.21 03-24-2013 ***

General Options:

```

-----
Nagios user/group:      nagios nagios
Install directory:     /usr/local/pnp4nagios
HTML Dir:              /usr/local/pnp4nagios/share
Config Dir:            /usr/local/pnp4nagios/etc
Location of rrdtool binary: /usr/bin/rrdtool Version 1.3.8
RRDs Perl Modules:     FOUND (Version 1.3008)
RRD Files stored in:   /usr/local/pnp4nagios/var/perfdata
process_perfdata.pl Logfile: /usr/local/pnp4nagios/var/perfdata.log
Perfdata files (NPCD) stored in: /usr/local/pnp4nagios/var/spool

```

Web Interface Options:

```

-----
HTML URL:              http://localhost/pnp4nagios
Apache Config File:    /etc/httpd/conf.d/pnp4nagios.conf

```

Review the options above for accuracy. If they look okay, type 'make all' to compile.

???

make all
make fullinstall

??

?? /etc/httpd/conf.d/pnp4nagios.conf

...

AuthUserFile /etc/nagios/htpasswd.users <-- ?????? Nagio ????

...

?????<http://xxx.xxx.xxx.xxx/pnp4nagios/>

????????????????????

mv /usr/local/pnp4nagios/share/install.php /usr/local/pnp4nagios/share/install.php.xxx

Nagios ??

?? /etc/nagios/nagios.cfg

process_performance_data=1

service_perfdata_command=process-service-perfdata

host_perfdata_command=process-host-perfdata

?? /etc/nagios/objects/commands.cfg

```
define command {
    command_name process-host-perfdata
    command_line /usr/bin/perl /usr/local/pnp4nagios/libexec/process_perfdata.pl -d HO
STPERFDATA
}
```

```
define command {
    command_name process-service-perfdata
    command_line /usr/bin/perl /usr/local/pnp4nagios/libexec/process_perfdata.pl
}
```

?? /etc/nagios/objects/templates.cfg

- ? generic-host ? generic-service ? process_perf_data ?? 0????? 1 ????? host ? ???????????

```
define host {
```

```

name          generic-host
...
process_perf_data 0
...
}

```

```

define service {
name          generic-service
...
process_perf_data 0
...
}

```

??? host ? service ??????

?? /etc/nagios/objects/MES-servers.cfg?? host ? service ?????? process_perf_data 1

??MES-server.cfg ????????

```

define host {
use          generic-host
host_name    ap1
...
process_perf_data    1
action_url           /pnp4nagios/index.php/graph?host=$HOSTNAME&srv=_HOST_
...
}

```

```

define service {
use          generic-service
host_name    ap1
service_description    PING
...
process_perf_data    1
action_url           /pnp4nagios/index.php/graph?host=$HOSTNAME&srv=$SERVICEDESC$
...
}

```

????DB2 ??????????

MES-server.cfg?

```

define service{
use          generic-service
host_name    bdb1
service_description    MMDB_MMTBS01
contact_groups    adm-alang
notifications_enabled    0
check_command    check_db2_tbs_usage!-d MMDB -t MMTBS01 -u istflr -p istflr
max_check_attempts    1

```

```

normal_check_interval 60
process_perf_data 1
action_url /pnp4nagios/index.php/graph?host=$HOSTNAME&&srv=$SERVICEDESC$'
class='tips' rel='/pnp4nagios/index.php/popup?host=$HOSTNAME&&srv=$SERVICEDESC$
}

```

commands.cfg?

```

# 'check_db2_tbs_usage' command definition
define command{
    command_name check_db2_tbs_usage
    command_line sudo -u db2inst ksh -c "~/bin/db2_check_tbs_usage.sh $ARG1$ "
}

```

~dn2inst/bin/db2_check_tbs_usage.sh?

reference to undefined name 'syntax' Exception of type
'MindTouch.Deki.Script.Runtime.DekiScriptUndefinedNameException' was thrown. (click for details)

?? **popup** ??(optional)

? pnp4nagios ??????? status-header.ssi

cp <pnp4nagios ??????>/contrib/ssi/status-header.ssi /usr/share/nagios/ssi

NOTE:

??????????

/usr/share/nagios/ssi ?????? nagios ???????????

?? /etc/nagios/objects/MES-servers.cfg??? action_url

```

define host {
    use generic-host
    host_name ap1
    ...
    process_perf_data 1
    action_url /pnp4nagios/index.php/graph?host=$HOSTNAME&&srv=_HOST_' class='tips'
    rel='/pnp4nagios/index.php/popup?host=$HOSTNAME&&srv=_HOST_'
    ...
}

```

```

define service {
    use generic-service
    host_name ap1
    service_description PING
    ...
    process_perf_data 1
}

```

```

    action_url          /pnp4nagios/index.php/graph?host=$HOSTNAME&&srv=$SERVICEDESC$'
class='tips' rel='/pnp4nagios/index.php/popup?host=$HOSTNAME&&srv=$SERVICEDESC$
...
}

```

Performance Data ???

Performance Data ??

label=value[UOM];[warning-range];[critical-range];[min];[max]

HTTP ??????

HTTP OK: HTTP/1.1 200 OK - 46869 bytes in 0.294 second response time | time=0.294561s;;;0 size=46869B;;;0

NOTE:

????? | ???????? Performance Data

Performance Data ????????????

1. space separated list of label/value pairs
2. label can contain any characters
3. the single quotes for the label are optional. Required if spaces, = or ' are in the label
4. label length is arbitrary, but ideally the first 19 characters are unique (due to a limitation in RRD). Be aware of a limitation in the amount of data that NRPE returns to Nagios
5. to specify a quote character, use two single quotes
6. warn, crit, min/ or max/ may be null (for example, if the threshold is not defined or min and max do not apply). Trailing unfilled semicolons can be dropped
7. min and max are not required if UOM=%
8. value, min and max in class [-0-9.]. Must all be the same UOM
9. warn and crit are in the range format (see Section 2.5). Must be the same UOM
10. UOM (unit of measurement) is one of:
 - ? no unit specified - assume a number (int or float) of things (eg, users, processes, load averages)
 - ? s - seconds (also us, ms)
 - ? % - percentage
 - ? B - bytes (also KB, MB, TB, GB?)
 - ? c - a continuous counter (such as bytes transmitted on an interface)