


```

passive_checks_enabled 1 ; Passive service checks are enabled/accepted
parallelize_check      1 ; Active service checks should be parallelized
process_perf_data      0
obsess_over_service    0 ; We should obsess over this service (if necessary)
check_freshness        0 ; Default is to NOT check service 'freshness'
notifications_enabled  1 ; Service notifications are enabled
event_handler_enabled  1 ; Service event handler is enabled
flap_detection_enabled 1 ; Flap detection is enabled
process_perf_data      1 ; Process performance data
retain_status_information 1 ; Retain status information across program restarts
retain_nonstatus_information 1 ; Retain non-status information across program restarts
check_command          check-host-alive ; This will be used to reset the service to "OK"
is_volatile            1
check_period           24x7
max_check_attempts     1
normal_check_interval  1
retry_check_interval   1
notification_interval  120
notification_period    24x7
notification_options   w,u,c,r
contact_groups         netops-24x7 ; Modify this to match your Nagios contact group definitions
register               0
}

```

?? V7000 ?????

TIP:

????? check_interval ??? 120 ?????????????????? CRITICAL ?????????????????????????????????????? OK?????????
 CRITICAL ?????????????????????????????? Re-schedule the next check of this service?

#> vi /etc/nagios/objects/STORAGES.cfg

```

define host{
    use          generic-host
    host_name    ibm_v7k01
    alias        IBM V7000 #1
    address      10.4.1.51
    check_command check-host-alive
    max_check_attempts 5
    check_period 24x7
    notification_interval 120
    notification_period 24x7
    notification_options d,r
    contact_groups adm-alang
    notifications_enabled 1 ;0=disable, 1=enable
}

```

```
define hostgroup{
    hostgroup_name fs-storage
    alias      FileServer Storages
    members    ibm_v7k01
}
```

```
define service {
    use          SNMP_TRAP
    host_name     ibm_v7k01
    service_description  SNMP_TRAP
    check_interval    120 ; Don't clear for 2 hours
    contact_groups    adm-alang
    notifications_enabled  1
}
```

???

```
#> service nagios reload
```

???????????

```
#> /usr/lib64/nagios/plugins/eventhandlers/submit_check_result ibm_v7k01 SNMP_TRAP 2 "TESTING"
```

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

????: ibm_v7k01

????: SNMP_TRAP

????: 2 = Critical

????: TESTING

?? submit_check_result ????

\$1 = host_name (Short name of host that the service is associated with)

\$2 = svc_description (Description of the service)

\$3 = return_code (An integer that determines the state of the service check, 0=OK, 1=WARNING, 2=CRITICAL, 3=UNKNOWN).

\$4 = plugin_output (A text string that should be used as the plugin output for the service check)

?? Nagios ?? submit_check_result

```
#> vi /usr/lib64/nagios/plugins/eventhandlers/submit_check_result
```

```
??? #!/bin/sh ?? #!/bin/bash
```

???? MIB ?

```
#> cp SVC_MIB_7.5.0.MIB /usr/share/snmp/mibs/SVC_MIB_7.5.0.MIB.txt
```

TIPs:

???? Cisco ???? MIB ???? <http://ftp.cisco.com/pub/mibs/v2/>

?? snmptrapd

```
#> vi /etc/snmp/snmptrapd.conf
```

```
disableAuthorization yes
traphandle default /usr/sbin/snmpthandler
```

????

```
#> service snmptrapd restart
```

?? MIB ? snmptt ???

```
#> snmpttconvertmib --in=/usr/share/snmp/mibs/SVC_MIB_7.5.0.MIB.txt --out=/etc/snmp/snmptt.conf
--debug --exec='/usr/lib64/nagios/plugins/eventhandlers/submit_check_result $r SNMP_TRAP 2'
```

????????:

Line: 135

NOTIFICATION-TYPE: tsveWTrap

Variables: tsveMACH tsveSERI tsveERRI tsveERRC tsveSWVE tsveFRUP tsveCLUS tsveNODE
tsveERRS tsveTIME tsveOBJT tsveOBJI tsveADD1 tsveADD2 tsveCOPY tsveMPNO tsveOBJN

Enterprise: ibm2145TSVE

Looking up via snmptranslate: IBM-SVC-MIB::tsveWTrap

Bad month in timestamp (20151704000Z): At line 15 in /usr/share/snmp/mibs/
SVC_MIB_7.5.0.MIB.txt

OID: .1.3.6.1.4.1.2.6.190.2

#

Line: 161

NOTIFICATION-TYPE: tsveITrap

Variables: tsveMACH tsveSERI tsveERRI tsveERRC tsveSWVE tsveFRUP tsveCLUS tsveNODE
tsveERRS tsveTIME tsveOBJT tsveOBJI tsveADD1 tsveADD2 tsveCOPY tsveMPNO tsveOBJN

Enterprise: ibm2145TSVE

Looking up via snmptranslate: IBM-SVC-MIB::tsveITrap

Bad month in timestamp (20151704000Z): At line 15 in /usr/share/snmp/mibs/
SVC_MIB_7.5.0.MIB.txt

OID: .1.3.6.1.4.1.2.6.190.3

Done

Total translations: 3
Successful translations: 3
Failed translations: 0

?: Could not find DEFINITIONS ::= BEGIN statement in MIB file!
?: ??MIB????????????????

IBM-SVC-MIB DEFINITIONS ::= BEGIN

snmptt.conf ???????:

```
EVENT tsveITrap .1.3.6.1.4.1.2.6.190.3 "Status Events" Normal
FORMAT tsve information trap $*
EXEC /usr/lib64/nagios/plugins/eventhandlers/submit_check_result $r SNMP_TRAP 2 "tsve
information trap $*"
SDESC
tsve information trap
Variables:
 1: tsveMACH
 2: tsveSERI
 3: tsveERRI
 4: tsveERRC
 5: tsveSWVE
 6: tsveFRUP
 7: tsveCLUS
 8: tsveNODE
 9: tsveERRS
10: tsveTIME
11: tsveOBJT
12: tsveOBJI
13: tsveADD1
14: tsveADD2
15: tsveCOPY
16: tsveMPNO
17: tsveOBJN
EDESC
```

?? snmptt ??

#> service snmptt restart

Nagios ????

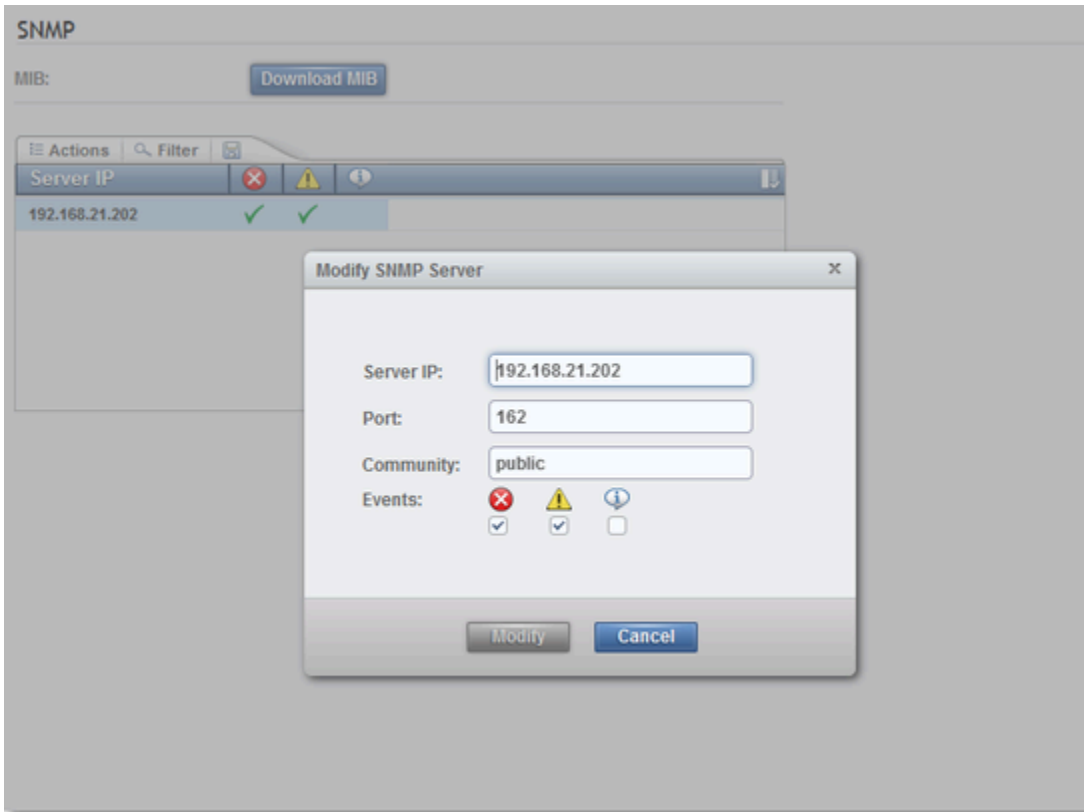
????????

IBM V7000)

???????????? SNMP Trap ??

IBM V7000 > Settings > Notifications > SNMP > Actions > Add

- Server IP: <?? Nagios IP>
- Port: 162 <Nagios ???? snmptrapd ???????? snmp trap ? port ? 162>
- Community: public <?????>



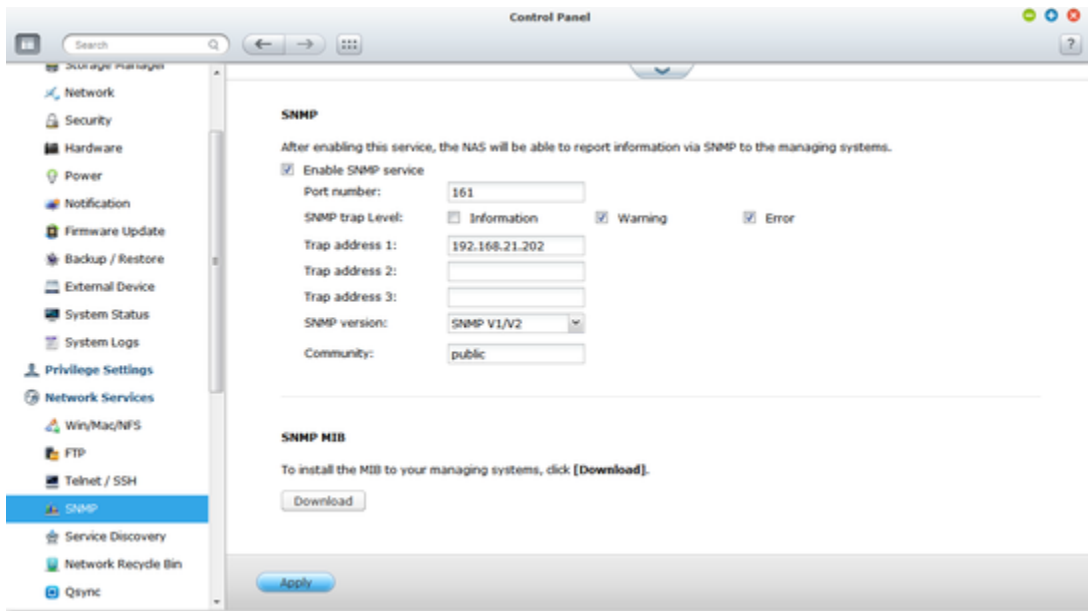
QNAP NAS)

QNAP Admin > System Settings > Network Services > SNMP

- Enable SNMP service: ??
- Port number: 161 <NOTE: ??? port ??? QNAP ??? snmp ??? Nagios ??>
- SNMP trap level: Warning, Error
- Trap address 1: <?? Nagios ?? IP>
- SNMP version: SNMP V1/V2
- Community: public <NOTE: ????? QNAP ??? snmp ??? Nagios ??>

TIPS?

QNAP ? SNMP ??? SNMP ? SNMP Trap ??????SNMP ?????????????????? SntpTrap ??????? Trap address?

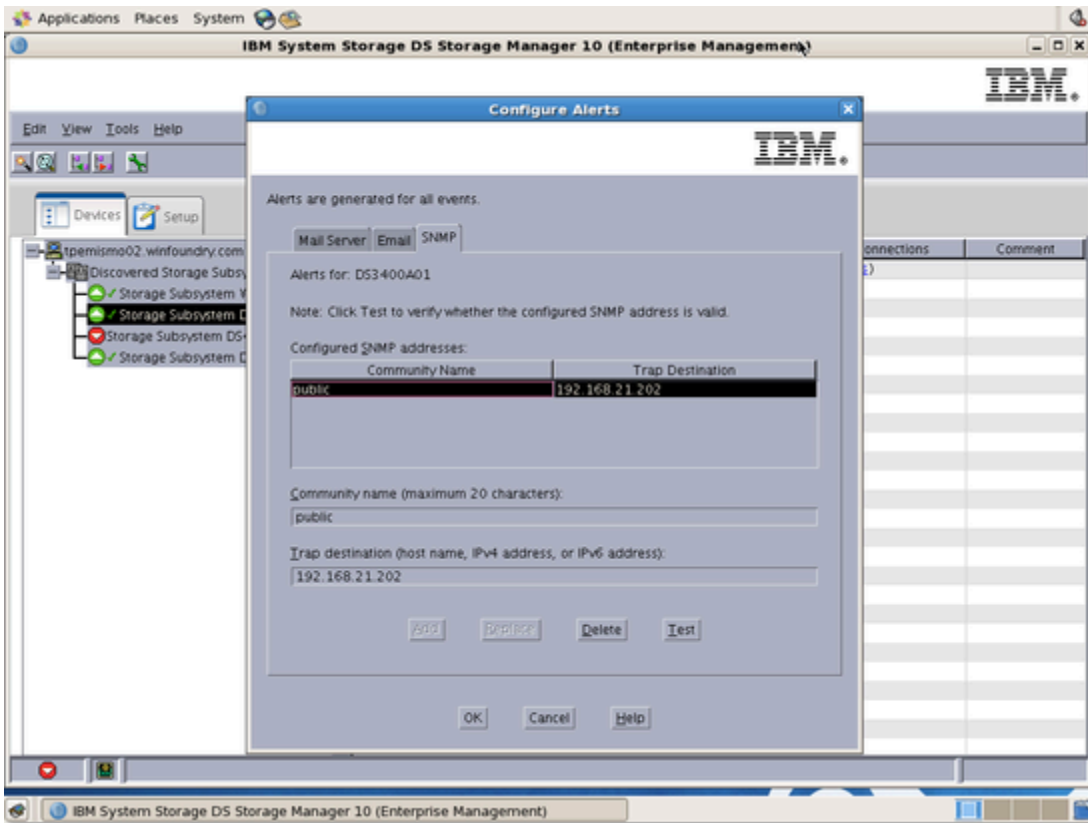


IBM DS 3400/4300/4800 Storage)

???? CentOS Linux ??? IBM DS Storage Management?? storage ? IP ????????

IBM DS Manager > ?????? storage > ???? Configure Alerts > SNMP

- Community Name = public
- Trap destination = <Nagios ?? IP>

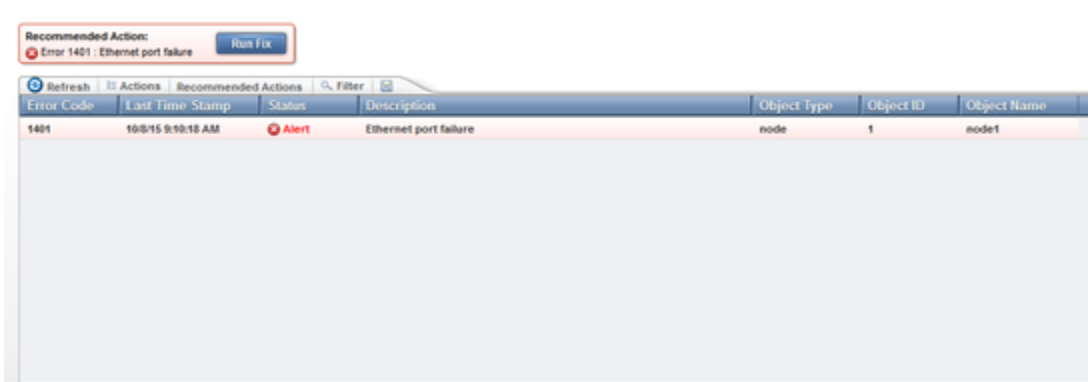


????

V7000 (????)

V7000 ????????? node ??? standby node ?????(??? primary node)????????? Error ????

V7000 ???



Nagios ???

