

snmp trap setup in Solaris 10

Step 1: download and install *netsnmp* package from <http://www.opencsw.org>

```
# /opt/csw/bin/pkgutil -y -i netsnmp
(if pkgutil is not installed execute first: # pkgadd -d http://get.opencsw.org/now)
```

Step 2: put *PowerNet-MIB.txt* file (as it was sent by NOC) in path */opt/csw/share/snmp/mibs/*

Step 3: put *shutDownScript* and *snmptrapd.conf* files in */etc/snmp* folder. Make sure that only root has the right to edit them. The script must be executable, again, only by root.

shutDownScript

```
#!/bin/bash
init 5
```

snmptrapd.conf

```
disableAuthorization yes

traphandle PowerNet-MIB::gracefullShutdown /etc/snmp/shutDownScript gracefullShutdown
```

Step 5: Open the firewall service for snmptrap (port 162) for *titanas.noc.tuc.gr*

Step 6: create the service manifest file *snmptrap.xml*

snmptrap.xml

```
<?xml version="1.0"?>
<!DOCTYPE service_bundle SYSTEM "/usr/share/lib/xml/dtd/service_bundle.dtd.1">
<service_bundle type='manifest' name='snmptrap'>
  <service name='application/management/snmptrap' type='service' version='1'>
    <create_default_instance enabled='true' />
    <single_instance />
    <dependency name='network' grouping='require_all' restart_on='none' type='service'>
      <service_fmri value='svc:/milestone/network:default' />
    </dependency>
    <exec_method type='method' name='start' exec='/lib/svc/method/snmptrap start'
timeout_seconds='60' />
    <exec_method type='method' name='stop' exec=':kill' timeout_seconds='60' />
    <stability value='Evolving' />
    <template>
      <common_name>
        <loctext xml:lang='C'>netsnmp package trap daemon</loctext>
      </common_name>
    </template>
  </service>
</service_bundle>
```

Step 7: save it in */var/svc/manifest/application/management*

Step 8: prepare the */lib/svc/method/snmptrap* script, executable only by root

snmptrap

```
#!/bin/sh
case "$1" in
  'start')
    /opt/csw/sbin/snmptrapd -c /etc/snmp/snmptrapd.conf
    ;;
  'stop')
    echo "stop"
    ;;
  'refresh')
    echo "refresh"
    ;;
esac
```

Step 9: test, import to SMF and check the successful init:

```
# cd /var/svc/manifest/application/management/
# svccfg validate snmptrap.xml
# svccfg import snmptrap.xml
# svcs snmptrap
```