

Nagios Monitoring of Switches and Routers

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This example shows how the Nagios monitoring tool can be used to monitor the message count of a queue and the free memory of a Router or Switch using the OID from an SNMPwalk.

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nagios.cfg In Nagios' main configuration file we add a new object configuration file where we define the entries to
monitor the SwiftMQ Router:      cfg_file=/usr/local/nagios/etc/objects/swiftnmq.cfg First, we define the host we want to
monitor (the machine where the SwiftMQ Router runs):      define host{      use      generic-host      ; Name of
; This host definition will inherit all variables that are defined      ; in (or inherited by) the linux
definition.      max_check_attempts      10      host_name      msgserver1      alias      msgserver1
define the host group "SwiftMQ-Servers" where this machine belongs to:      define hostgroup{      hostgroup_name      Swif
Servers ; The name of the hostgroup      alias      SwiftMQ Servers ; Long name of the group      members      m
separated list of hosts that belong to this group      } A command "check_snmpv2c" to check with SNMPv2:      define
command{      command_name      check_snmpv2c      command_line      $USER1$/check_snmp -H $HOSTADDRESS$ -
$ARG1$      } And the service to monitor testqueue's messagecount. Note we use port 10061, the OID we determined with
an SNMP walk on the machine (google it if need be), and set a warning level at 8000 and a critical threshold at 10000
messages:      define service{      use      generic-service ; Inherit values from a template      host_name      msgserver1
service_description      testqueue message count      check_command      check_snmpv2c!-p 10061 -C public -o
1.3.6.1.4.1.16683.1.2.11.1.12.1.1.10.9.116.101.115.116.113.117.101.117.101 -c 10000 -w 8000 } Finally the service to
monitor the free memory of the router:      define service{      use      generic-service ; Inherit values from a template      host_
msgserver1      service_description      Free Memory SwiftMQ router1      check_command      check_snmpv2c!-p 10061 -C publi
o 1.3.6.1.4.1.16683.1.2.1.1.10.1.1.2.7.114.111.117.116.101.114.49!5000!1000 } Test Now start Nagios, open the
Nagios web console and send messages to "testqueue" (simply use the example "P2PSender" in
samples/router_network

```