

# Øving 19 - SNMP & Radius

## SNMP

```
madsen@MadsenPc:~$ snmpwalk -v 2c -c public 192.168.1.1
iso.3.6.1.2.1.1.1.0 = STRING: "Linux, Cisco Small Business RV320, Version 1.1.1.19 Mon Dec 1 13:55:58 CST 2014"
iso.3.6.1.2.1.1.2.0 = OID: iso.3.6.1.4.1.9.6.1.23.3.13
iso.3.6.1.2.1.1.3.0 = Timeticks: (96900) 0:16:09.00
iso.3.6.1.2.1.1.4.0 = ""
iso.3.6.1.2.1.1.5.0 = STRING: "routerd53fc0routerd53fc0.com"
iso.3.6.1.2.1.1.6.0 = ""
iso.3.6.1.2.1.1.7.0 = INTEGER: 78
iso.3.6.1.2.1.1.8.0 = Timeticks: (3) 0:00:00.03
iso.3.6.1.2.1.9.1.2.1 = OID: iso.3.6.1.6.3.10.3.1.1
iso.3.6.1.2.1.9.1.2.2 = OID: iso.3.6.1.6.3.11.3.1.1
iso.3.6.1.2.1.9.1.2.3 = OID: iso.3.6.1.6.3.15.2.1.1
iso.3.6.1.2.1.9.1.2.4 = OID: iso.3.6.1.6.3.1
iso.3.6.1.2.1.9.1.2.5 = OID: iso.3.6.1.2.1.49
iso.3.6.1.2.1.9.1.2.6 = OID: iso.3.6.1.2.1.4
iso.3.6.1.2.1.9.1.2.7 = OID: iso.3.6.1.2.1.50
iso.3.6.1.2.1.9.1.2.8 = OID: iso.3.6.1.6.3.16.2.2.1
iso.3.6.1.2.1.9.1.3.1 = STRING: "The SNMP Management Architecture MIB."
iso.3.6.1.2.1.9.1.3.2 = STRING: "The MIB for Message Processing and Dispatching."
iso.3.6.1.2.1.9.1.3.3 = STRING: "The management information definitions for the SNMP User-based Security Model."
iso.3.6.1.2.1.9.1.3.4 = STRING: "The MIB module for SNMPv2 entities"
iso.3.6.1.2.1.9.1.3.5 = STRING: "The MIB module for managing TCP implementations"
iso.3.6.1.2.1.9.1.3.6 = STRING: "The MIB module for managing IP and ICMP implementations"
iso.3.6.1.2.1.9.1.3.7 = STRING: "The MIB module for managing UDP implementations"
iso.3.6.1.2.1.9.1.3.8 = STRING: "View-based Access Control Model for SNMP."
iso.3.6.1.2.1.9.1.4.1 = Timeticks: (0) 0:00:00.00
iso.3.6.1.2.1.9.1.4.2 = Timeticks: (0) 0:00:00.00
iso.3.6.1.2.1.9.1.4.3 = Timeticks: (0) 0:00:00.00
iso.3.6.1.2.1.9.1.4.4 = Timeticks: (1) 0:00:00.01
iso.3.6.1.2.1.9.1.4.5 = Timeticks: (1) 0:00:00.01
iso.3.6.1.2.1.9.1.4.6 = Timeticks: (1) 0:00:00.01
iso.3.6.1.2.1.9.1.4.7 = Timeticks: (1) 0:00:00.01
iso.3.6.1.2.1.9.1.4.8 = Timeticks: (3) 0:00:00.03
iso.3.6.1.2.1.2.1.0 = INTEGER: 8
iso.3.6.1.2.1.2.2.1.1.1 = INTEGER: 1
iso.3.6.1.2.1.2.2.1.1.2 = INTEGER: 2
iso.3.6.1.2.1.2.2.1.1.3 = INTEGER: 3
iso.3.6.1.2.1.2.2.1.1.4 = INTEGER: 4
iso.3.6.1.2.1.2.2.1.1.5 = INTEGER: 5
iso.3.6.1.2.1.2.2.1.1.6 = INTEGER: 6
iso.3.6.1.2.1.2.2.1.1.7 = INTEGER: 7
iso.3.6.1.2.1.2.2.1.1.8 = INTEGER: 8
iso.3.6.1.2.1.2.2.1.2.1 = STRING: "lo"
iso.3.6.1.2.1.2.2.1.2.2 = STRING: "tunl0"
iso.3.6.1.2.1.2.2.1.2.3 = STRING: "gre0"
iso.3.6.1.2.1.2.2.1.2.4 = STRING: "sit0"
```

## Radius

```
madsen@MadsenPc:~$ radtest testing password 127.0.0.1 0 testing123
Sent Access-Request Id 93 from 0.0.0.0:56215 to 127.0.0.1:1812 length 77
  User-Name = "testing"
  User-Password = "password"
  NAS-IP-Address = 127.0.1.1
  NAS-Port = 0
  Message-Authenticator = 0x00
  Cleartext-Password = "password"
Received Access-Accept Id 93 from 127.0.0.1:1812 to 127.0.0.1:56215 length 20
```

```
(0) # Executing section post-auth from file /etc/freeradius/3.0/sites-enabled/default
(0) post-auth {
(0)   if (session-state:User-Name && reply:User-Name && request:User-Name && (reply:User-Name == request:User-Name)) {
(0)   if (session-state:User-Name && reply:User-Name && request:User-Name && (reply:User-Name == request:User-Name)) -> FALSE
(0)   update {
(0)     No attributes updated for RHS &session-state:
(0)   } # update = noop
(0)   [exec] = noop
(0)   policy remove_reply_message_if_eap {
(0)     if (&reply:EAP-Message && &reply:Reply-Message) {
(0)       if (&reply:EAP-Message && &reply:Reply-Message) -> FALSE
(0)     else {
(0)       [noop] = noop
(0)     } # else = noop
(0)   } # policy remove_reply_message_if_eap = noop
(0) } # post-auth = noop
(0) Sent Access-Accept Id 93 from 127.0.0.1:1812 to 127.0.0.1:56215 length 0
(0) Finished request
Waking up in 4.9 seconds.
```