

# Fluke OneTouch

- Portable Network Assistant, that does
  - Cable Tests
  - Connectivity Tests
  - Network Tests
  - IP, IPX Station discovery
  - ICMP Ping Tests
- For Details: <http://www.fluke.com>



# NET-SNMP

- *Current Version: 4.2.1 Runs on various Unices, Linux and Windows*
- *Various Commandlinetools for querying SNMP Agents*
- *An extensible Agent*
- *An SNMPTrap-Daemon, which handles Traps send by an Agent.*
- *An SNMP library for Developers.*

# Snmpget

- Queries a network entity with a GET-Request

- Example:

```
# snmpget 192.168.1.55 public system.sysDescr.0
```

will retrieve the Variable sysDescr.0 in the „public“-community:

```
system.sysDescr.0 = "Cisco Systems, Inc. WS-C2980  
Cisco Catalyst Operating System Software, Version  
5.5(6) Copyright (c) 1995-2001 by Cisco Systems,  
Inc."
```

# Snmpwalk

- Queries a network entity with GET-NEXT requests
- Example

```
# snmpwalk 192.168.1.55 public system
```

will retrieve all variables in the subtree system

```
system.sysDescr.0 = Cisco Systems, Inc. WS-C2980
```

```
Cisco Catalyst Operating System Software, Version 5.5(6)
```

```
Copyright (c) 1995-2001 by Cisco Systems, Inc.
```

```
system.sysObjectID.0 = OID: enterprises.9.5.49
```

```
system.sysUpTime.0 = Timeticks: (911291) 2:31:52.91
```

```
system.sysContact.0 = KOMHW
```

```
system.sysName.0 = Test-Switch
```

```
system.sysLocation.0 = DC02012
```

# Scripts

```
#!/bin/sh  
while true; do  
snmpget switch public system.sysUpTime.0 >/dev/null  
done
```

# Macof

- Part of the dsniff-suite
- <http://www.monkey.org/~dugsong/dsniff/>
- Sends Packets with Random MAC-Adresses to the Switch
- Goal: Fill the Switch's MAC-Table, to force it into Repeating Mode

# SNMPapp

- Based on the Tutorial from the NET-SNMP API

```
for Loop {  
    open Network-socket;  
    send GET-query;  
    wait for reply till timeout;  
}
```