

NAME

snmpd.conf – configuration file for the SNMP daemon

DESCRIPTION

snmpd.conf is the configuration file for the `snmpd(8)` daemon.

SECTIONS

The **snmpd.conf** file is divided into 3 main sections.

Macros

User-defined variables may be defined and used later, simplifying the configuration file.

Global Configuration

Global runtime settings for `snmpd(8)`.

OID Configuration

Custom configuration of SNMP object identifiers and values.

Comments can be put anywhere in the file using a hash mark (`#`), and extend to the end of the current line.

Additional configuration files can be included with the **include** keyword, for example:

```
include "/etc/snmpd.conf.local"
```

MACROS

Macros can be defined that will later be expanded in context. Macro names must start with a letter, and may contain letters, digits and underscores. Macro names may not be reserved words (for example, **community**, **system**, or **oid**). Macros are not expanded inside quotes.

For example:

```
ext_addr="192.168.0.1"  
listen on $ext_addr
```

GLOBAL CONFIGURATION

The following options can be set globally:

listen on *address*

Specify the local address `snmpd(8)` should listen on for incoming SNMP messages.

read-only *community string*

Specify the name of the read-only community. The default value is *public*.

read-write *community string*

Specify the name of the read-write community. The default value is *private*.

system *contact string*

Specify the name or description of the system contact, typically a name or an e-mail address. The default value is *root@hostname* using the hostname of the local machine.

system *description string*

Specify a description of the local system. The default value is the operating system identification as printed by the `uname(1)` command using the **-a** flag:

```
OpenBSD myhost.example.com 4.2 GENERIC#595 i386
```

system location *string*

Specify the string describing the location of the local system, typically a physical location. The default value is an empty string.

system name *string*

Specify the name of the local system, typically a fully-qualified domain name. The default value is the hostname of the local system.

system oid *oid-string*

Specify the authoritative identification of the local system. The default value is *1.3.6.1.4.1.30155.23.1* (iso.org.dod.internet.private.enterprises.openbsd.23.1) identifying a common OpenBSD system.

system services *number*

Specify a magic value which indicates the set of services that the local system may provide. Refer to the *sysServices* description in the SNMP MIB for details.

trap community *string*

Specify the name of the trap community. The default value is *public*.

trap receiver *string* [**oid** *oid-string*] [**community** *string*]

Specify the address or FQDN of a remote trap receiver for outgoing traps sent by `snmpd(8)`. This option may be specified multiple times. The daemon will send outgoing traps using the revised SNMPv2 format and the configured trap community. The default community is specified by the global **trap community** option.

OID CONFIGURATION

It is possible to specify user-defined OIDs in the configuration file:

oid *oid-string* **name** *name* [**read-only** | **read-write**] [*type*] *value*

Return the specified value to the client for this OID. The **read-write** option may allow the client to override it, and the type is either **string** or **integer**.

FILES

`/etc/snmpd.conf` Default location of the configuration file.

EXAMPLES

The following example will tell `snmpd(8)` to listen on localhost, override the default system OID, set the magic services value and provides some custom OID values:

```
listen on 127.0.0.1

system oid 1.3.6.1.4.1.30155.23.2
system services 74

oid 1.3.6.1.4.1.30155.42.1 name myName read-only string "humppa"
oid 1.3.6.1.4.1.30155.42.2 name myStatus read-only integer 1
```

SEE ALSO

`snmpctl(8)`, `snmpd(8)`

HISTORY

The `snmpd.conf` file format first appeared in OpenBSD 4.3.

AUTHORS

The `snmpd(8)` program was written by Reyk Floeter <reyk@vantronix.net>.