

Installation and Startup

This chapter assumes that the reader is familiar with Unix and its commands. For more detailed information about the Unix commands used in the following procedures, consult the Sun OS manual.

Installation

To install the StrataView Plus SNMP Proxy Agent, perform the following steps:

- 1 Make sure that the Sun OS Operating System and the StrataView Plus software are installed and working properly.
- 2 The Proxy Agent software is distributed on a 3.5" high density diskette. Insert the diskette.
- 3 At the login screen, log into the system as root by typing:

```
root [Enter]
<password> [Enter]
```

- 4 Install the proxy agent by typing:

```
cd /usr/users/svplus [Enter]
tar xvpf /dev/fd0a [Enter]
INSTALL_AGENT [Enter]
```

The following files will be installed in the /usr/users/svplus directory:

```
ConnProxy
PortProxy
RTMProxy
```

- 5 Next you must modify the *usr/users/svplus/start_SV+* file. Open the file and find the lines:

```
#AAGCLIENT=false; export AAGCLIENT
#RTC=true; export RTC
```

Modify the lines to appear as:

```
AAGCLIENT=true; export AAGCLIENT
RTC=true; export RTC
```

Save the file with

```
:wq!
```

- 6 Execute `/usr/users/svplus/Regmanager` as follows:

```
RegManager <ProxyHost> <MgrIpAddr>
```

where ProxyHost is the SV+ Workstation and
MgrIpAddr is the SNMP manager.

- 7 From the StrataView Plus Main Menu, restart SV+ with **1) Start SV+** and start the Proxy Agent with **5) Start SNMP Agent**.
- 8 With StrataView Plus and the SNMP Proxy Agent running, you can use a `ps` command to see if the proper the process are running by executing:

```
ps -ax| grep svaag
```

This command should return the following:

```
svaag -s 4008 -b 4000 -D StrataCom -p 6500 -e svaag.err
```

Note If StrataView Plus is not installed on your SNMP manager station, you must load the trap file called `StratCom_trapd.com`.

This file is loaded on the SV+ Workstation in the following directory:

```
/usr/users/svplus/OV/conf/C directory.
```

From your SNMP manager execute:

```
/usr/OV/bin/xnmevents -load /usr/StrataCom_trapd.conf
```

Note that you can copy `StratCom_trapd.conf` to any directory on your SNMP manager and the above directory is just used as an example.

The Network and Service MIBs are described in Appendix A and Appendix B. Both are contained as files on the Proxy Agent distribution diskette. For the SNMP manager to have access to the contents of the MIBs, the StrataView MIB should be compiled on the target SNMP manager. See your SNMP manager documentation for details of the MIB compilation process.

Configuration

Both the SNMP Agent and SNMP Proxy have configuration files.

Agent Configuration

The Agent configuration file is `~svplus/config/SNMPAgent.conf`.

The UDP port used for SNMP Requests can be configured in this file.

Syntax: TRANSPORT SPECIAL SNMP

 OVER UDP SOCKET

 AT PORT 8161

PORT 8161 is the default UDP port. It may be changed to match your system's requirements.

After changing the UDP port, you must send SIGHUP to the SNMPAgent process to make it re-read the configuration file.

Proxy Configuration

The Proxy configuration file is `~svplus/config/SNMPProxy.conf`.

The community strings are configured in this file. Since community strings are used as an index in the Node MIB and Event MIBs, RtmProxy does not require this configuration file. Only ConnProxy (Connection MIB) and PortProxy (Port MIB) use these community strings for authentication.

Syntax: GET_COMMUNITY public

 SET_COMMUNITY private

The current Proxy Agent defaults are GET = public and SET = private.

The Proxy reads the configuration file only at start-up. If you make any changes to configuration file, you must restart the Proxy (i.e., ConnProxy and PortProxy) to get the new configuration.

Startup

Before starting the Proxy Agent, StrataView Plus must be started and then the Asynchronous Alarms and Real Time Counters options must be started (StrataCom ISC is required to enable these options).

To start the Proxy Agent manually, choose the Start SNMP Agent option on the StrataView Plus Startup screen. Details may be found in the *StrataView Plus Operations Manual* (Release 8.2).

