Sangoma Cheat Sheet

Konrad Hammel -- konrad@sangoma.com

Driver Installation

./Setup install	Basic method to start driver install
./Setup dahdi	Install driver with Dahdi support only
./Setup dahdi --with-zaptel=<src location>	Install driver with Dahdi support using this source
./Setup dahdi --silent	Install driver without asking any questions…assumes defaults
./Setup dahdi --zap-chunk=X	Installs driver with Dahdi support only and increase chunk size to X
setup_drv_compile.log	Log file for driver install

Configuration

wancfg_dahdi	Find and configure all ports for Dahdi
wancfg_smg	Find and configure all ports for SMG and Dahdi
setup-sangoma	Find and configure all ports for a FreePBX installation (SMG and Dahdi)

Basic Operation

wanrouter start	Start all Wanpipes listed in wanrouter.rc
wanrouter start wanpipe1	Start only wanpipe1
wanrouter stop	Stop all Wanpipes listed in wanrouter.rc
wanrouter stop wanpipe1	Stop only wanpipe1
wanrouter restart	Restart all Wanpipes listed in wanrouter.rc (stop and start)
wanrouter restart wanpipe1	Restart only wanpipe1
smg_ctrl start	Start all daemons listed in smg.rc
smg_ctrl stop	Stop all daemons listed in smg.rc
smg_ctrl restart	Restart all daemons listed in smg.rc
wanrouter status	Show the status of active ports
wanrouter hwprobe	Show all Sangoma hardware recognized by the driver
wanrouter hwprobe verbose	Show all Sangoma hardware with verbose output
dahdi_cfg -vv	Applies Dahdi API configuration as per /etc/dadhi/system.conf

Configuration Files

/etc/wanpipe/wanpipeX.conf	A10X port, BRI card, and analog card configuration file
/etc/wanpipe/smg_bri.conf	Boost_BRI configuration file
/etc/wanpipe/smg_pri.conf	Boost_PRI configuration file
/etc/wanpipe/smg.rc	Smg_ctrl configuration file
/etc/wanpipe/wanrouter .rc	Wanrouter configuration file
/etc/wanpipe/scripts/start	Bash script that is run after “wanrouter start”
/etc/wanpipe/scripts/stop	Bash script that is run before “wanrouter stop”
/etc/sangoma_mgd.conf	SMG configuration file
/etc/dahdi/system.conf	Dahdi API configuration file
/etc/asterisk/chan_dahdi.conf	Chan_Dahdi configuration file
/etc/asterisk/dahdi-channels.conf	Chan_Dahdi configuration file containing channel config on FreePBX
/etc/asterisk/woomera.conf	Chan_Woomera configuration file

Log Files

/var/log/messages	General Wanpipe messages
/var/log/sangoma_mgd.log	SMG specific log file
/var/log/sangoma_bri.log	Boost_BRI log file
/var/log/sangoma_pri.log	Boost_PRI log file

Debugging Commands

lspci	Shows what hardware is registered by the BIOS (DRIVER INDEPENDENT)
wanrouter hwprobe	Shows what Sangoma hardware is visible to the driver
wanrouter status	Shows the physical layer status of all active Wanpipes
wanpipemon –I w1g1 –c Ta	Shows the physical T1/E1 line alarms of interface w1g1
wanpipemon –I w1g1 –c astats –m 1	Shows the voltage on module 1 of interface w1g1
ifconfig	Shows the state of a network interface
cat /proc/interrupts	Shows detailed interrupt information
vmstat 1	Shows current system usage, IO usage, etc at 1 sec interval
top	Shows per process cpu usage (does not show system usage well)