

dhclient/wpa_supplicant patch

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2005-06/1389.html>

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To: current@freebsd.org

Below you will find a patch which I believe solves the major issues with the `removable_interfaces` variable, and adds `wpa_supplicant` support to the startup scripts. The significant behavioral changes are starting `wpa_supplicant` if the `ifconfig_<ifn>` entry contains WPA, always including removable interfaces in the list of potential interfaces, always running `/etc/rc.d/netif's` start/stop code when passed a list of interfaces on all interfaces, even if they don't exist, and replacing `pccard_ifconfig` with a new `ifconfig_DEFAULT` variable which applies to all interfaces that lack an `ifconfig_<ifn>` line.

Please review and test. I plan to commit tomorrow PDT unless there are issues.

— Brooks

Index: network.subr

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=====
RCS file: /usr/cvs/src/etc/network.subr,v
retrieving revision 1.162
diff -u -p -u -r1.162 network.subr
--- network.subr 7 Jun 2005 23:59:45 -0000 1.162
+++ network.subr 29 Jun 2005 01:22:03 -0000
@@ -48,7 +48,7 @@ ifconfig_up()
     fi

     if wpaif $1; then
- #/etc/rc.d/wpa_supplicant start $1
+ /etc/rc.d/wpa_supplicant start $1
       _cfg=0 # XXX: not sure this should count
     fi

@@ -89,7 +89,7 @@ ifconfig_down()
     IFS="$oldifs"

     if wpaif $1; then
- #/etc/rc.d/wpa_supplicant stop $1
```

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+ /etc/rc.d/wpa_supplicant stop $1
    _cfg=0
    fi

@@ -113,16 +113,11 @@ _ifconfig_getargs()
    fi

        eval _args=\$ifconfig_$1
    - if [ -z "$_args" -a -n "${pccard_ifconfig}" ]; then
    - for _if in ${removable_interfaces} ; do
    - if [ "$_if" = "$_ifn" ] ; then
    - _args=${pccard_ifconfig}
    - break
    - fi
    - done
    + if [ -z "$_args" ]; then
    + _args=$ifconfig_DEFAULT
        fi

    - echo $_args
    + echo "$_args"
    }

# ifconfig_getargs if
@@ -394,7 +389,7 @@ list_net_interfaces()
    _tmplist="`ifconfig -l`"
    ;;
    *)
    - _tmplist="${network_interfaces} ${cloned_interfaces}"
    + _tmplist="${network_interfaces} ${removable_interfaces} ${cloned_interfaces}"
    ;;
    esac

@@ -408,37 +403,15 @@ list_net_interfaces()
    _aprefix=
    _bprefix=
    for _if in ${_tmplist} ; do
    - eval _ifarg="\$ifconfig_${_if}"
    - case "$_ifarg" in
    - [Dd][Hh][Cc][Pp])
    + if dhcpif $_if; then
        _dhcplist="${_dhcplist}${_aprefix}${_if}"
        [ -z "$_aprefix" ] && _aprefix=' '
    - ;;
    - "|*")
    + elif [ -n "`_ifconfig_getargs $if`" ]; then
        _nodhcplist="${_nodhcplist}${_bprefix}${_if}"
        [ -z "$_bprefix" ] && _bprefix=' '
    - ;;
    - esac
    + fi

```

done

```

- case ${pccard_ifconfig} in
- [Dd][Hh][Cc][Pp])
- for _if in ${removable_interfaces} ; do
- _test_if=`ifconfig ${_if} 2>&1`
- case "$_test_if" in
- "ifconfig: interface $_if does not exist")
- ;;
- *)
- _dhcplist="${_dhcplist}${_aprefix}${_if}"
- [ -z "$_aprefix" ] && _aprefix=' '
- ;;
- esac
- done
- ;;
- *)
- ;;
- esac
-

```

```

    case "$type" in
    nodhcp)
        echo $_nodhcplist

```

Index: rc.d/Makefile

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=====
RCS file: /usr/cvs/src/etc/rc.d/Makefile,v
retrieving revision 1.52
diff -u -p -u -r1.52 Makefile
--- rc.d/Makefile 29 Apr 2005 23:02:56 -0000 1.52
+++ rc.d/Makefile 29 Jun 2005 01:23:12 -0000
@@ -36,7 +36,7 @@ FILES= DAEMON LOGIN NETWORKING SERVERS \
    timed tmp \
    ugidfw usbd \
    var virecover \
- watchdogd \
+ watchdogd wpa_supplicant \
    ypbind yppasswdd ypserv \
    ypset ypupdated ypxfrd
FILESDIR= /etc/rc.d
Index: rc.d/netif

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=====
RCS file: /usr/cvs/src/etc/rc.d/netif,v
retrieving revision 1.13
diff -u -p -u -r1.13 netif
--- rc.d/netif 7 Jun 2005 04:49:12 -0000 1.13
+++ rc.d/netif 29 Jun 2005 02:13:48 -0000
@@ -109,13 +109,10 @@ network_common()
#
    _cooked_list=
    if [ -n "$_cmdifn" ]; then
- for i in $_cmdifn ; do

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- eval _if="\`expr "$_ifn_list" : ".*\(${i}\).*\`\"
- if [ -z "$_if" ]; then
- err 1 "No such network interface: $i"
- fi
- _cooked_list="$_cooked_list $_if"
- done
+ # Don't check that the interfaces exist. We need to run
+ # the down code even when the interface doesn't exist to
+ # kill off wpa_supplicant.
+ _cooked_list="$_cmdifn"
    else
        _cooked_list="$_ifn_list"
    fi
--- rc.d/wpa_supplicant Tue Jun 28 22:24:18 2005
+++ rc.d/wpa_supplicant Tue Jun 28 18:51:32 2005
@@ -0,0 +1,33 @@
+#!/bin/sh
+#
+# $FreeBSD$
+#
+
+# PROVIDE: wpa_supplicant
+# REQUIRE: mountcritremote
+# KEYWORD: nojail nostart
+
+. /etc/rc.subr
+. /etc/network.subr
+
+name="wpa_supplicant"
+rcvar=
+command="/usr/sbin/${name}"
+conf_file="/etc/wpa_supplicant.conf"
+
+ifn="$2"
+if [ -z "$ifn" ]; then
+ return 1
+fi
+
+load_rc_config $name
+
+if ! wpaif $ifn; then
+ return 1
+fi
+
+pid_file="/var/run/${name}/${ifn}.pid"
+command_args="-B -q -i $ifn -P $pid_file -c $conf_file"
+required_files=$conf_file
+
+run_rc_command "$1"
--

```

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Any statement of the form "X is the one, true Y" is FALSE.

PGP fingerprint 655D 519C 26A7 82E7 2529 9BF0 5D8E 8BE9 F238 1AD4

- application/pgp-signature attachment: stored