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Lisensi ini mengizinkan setiap orang untuk menggubah, memperbaiki, dan membuat ciptaan turunan bukan untuk kepentingan komersial, selama anda mencantumkan nama penulis dan melisensikan ciptaan turunan dengan syarat yang serupa dengan ciptaan asli.

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Lampiran A : Form Administrasi.
Lampiran B : Percakapan dengan developer.
Lampiran C : Daftar Table Penggunaan Memory Samba.
Lampiran D : List Website yang diakses squid server.
Lampiran E : Daftar Table penggunaan Memory Setiap Layanan.
Lampiran F : Source Code Shell Scripting.
LAMPIRAN B
to Jeremy

i did remove sputnik executable file, maybe around 118KB, and my shell script is just 22KB, so i thought i have some room.
last time i tried to extract the firmware and built again without added or deleted anything. the built process success.
but when i flashed into my router, it also give same result.. my router can not boot well.. power LED was keep blinking again..
so this time do u know what's wrong?? is my firmware modification kit is broken?? but the extract and build process is successful.. i used extract-ng.sh and build-ng.sh to do this.

Jeremy Collake  jeremy.collake@gmail.com

May 13  (12 days ago)
to me

Hi,

Its also possible Brainslayer implemented new protection mechanisms in DD-WRT again, to prevent modification.. so you may want to try an older build of DD-WRT, if you had not already. He has continually tried to break the FMK ever since it was created.

Felix Lokananta

May 13  (12 days ago)
to Jeremy

Hi,

Its also possible Brainslayer implemented new protection mechanisms in DD-WRT again, to prevent modification.. so you may want to try an older build of DD-WRT, if you had not already. He has continually tried to break the FMK ever since it was created.
really?? because he told to me use FMK instead compiling from source, because i only want to add shell script..
maybe i will ask him is the version i had can be modified by FMK ot not..

Jeremy Collake jerry.collake@gmail.com May 13 (12 days ago)
to me

He may not have broken it then. He DID though recently make it so the web interface couldn't be modified, until the FMK is changed again . a cat and mouse thing. He prefers charging people for such things. If you had no money to pay him, then that explains why he'd send you to the FMK. He probably wouldn't tell you if he did or not anyway. He 'protects' 'his' web UI from modification for sure though, using someone else's protection code, ironically. Since its open source, the protection code just has to be modified to deal with whatever he changed this time.

Jeremy Collake jerry.collake@gmail.com May 13 (12 days ago)
to me

After all, if he cared anything about *really* letting you modify DD-WRT, why wouldn't he provide a source code that other people can actually build? To date, nobody has been able to build the source code he distributes, afaik . nobody. And it is unknown if all parts are there. He uses 'webcomp' and 'webdecomp' to protect his web UI from modification, or at least attempts to (the FMK catches up with his changes periodically).

As you know, 99% of DD-WRT is the linux kernel and standard packages. His part are scripts and modifications to the default Web User Interface, plus a few minor changes. It would seem easy for him to distribute a buildable source if he wanted to. Why does he tell people to go to some third party?

Jeremy Collake jerry.collake@gmail.com May 13 (12 days ago)
to me

LASTLY, it kinda pisses me off that instead of taking 5 minutes to throw your script into DD-WRT and send you an image, he would offload you onto 'us', a separate TRULY OPEN project that exists solely because his project is NOT fully open.
Jeremy Collake jJeremy Collake jeremycollake@gmail.com
May 13
(12 days ago)
to me

Some background -- Years ago, when I created the FMK, he changed his filesystem signatures several times to try to keep 'breaking' it.. that's why I went to that possibility.

In *this* case, there is likely just some problem. Your platform may not be properly supported by the FMK. I believe, especially since they are reaping in big profits over there, that they should start supporting their own stuff..

Anyway, that's why when you said he recommended you to the FMK, I was kinda shocked.. as he's always opposed it, and broken not only the web UI, but the entire extraction process, in the past.

As a firmware, many of DD-WRT's features do not work, or are broken. I would never use it on any router I own, because of its troubles. If you are linux friendly, you should try OpenWRT. It is *made* to be *easily* modified and extended. It has an awesome number of packages supported, and the build system makes it easy to take any standard linux package and port it to OpenWRT.

Sorry to go apeshit, I had just never heard of him sending people our way ... From my perspective, he doesn't have 5 minutes to help you out by sending you a custom build he could *easily* create, so he'd rather send you to me and waste hours of our time tracking down the problem. BUT, that's DD-WRT for ya. I have not communicated with him or that project in many years, nor worked on the FMK much in years. Craig made the newer -ng scripts, as I quit caring about it.

Percakapan dengan Sebastian Gottshcall

Felix Lokananta Felix Lokananta
May 12
(12 days ago)
to Sebastian

hi.. can u help me more??
i have tried to compile dd-wrt rev 19167 for wrt160nl
i used mips-r2 toolchains, linux 2.6.23 kernel pb42, .config_wrt160nl
but it gave me error message like

rm -f /home/felix/DEV/DD-WRT/src/router/private/telkom/*.o
make[1]: Leaving directory `/home/felix/DEV/DD-WRT/src/router/libutils'
make -C madwifi.dev/madwifi_mimo.dev/core/hal/linux TARGET=ap83-elf clean
make: *** madwifi.dev/madwifi_mimo.dev/core/hal/linux: No such file or directory. Stop.
make: *** [madwifi_mimo-clean] Error 2

can u please help me fix this??

thanks in advance..

Sebastian Gottschall (DD-WRT) s.gottshall@dd-wrt.com

May 12 (12 days ago)

to me

Am 12.05.2012 10:15, schrieb Felix Lokananta:
hi.. can u help me more??
i have tried to compile dd-wrt rev 19167 for wrt160nl
i used mips-r2 toolchains, linux 2.6.23 kernel pb42, .config_wrt160nl
but it gave me error message like

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make: *** madwifi.dev/madwifi_mimo.dev/core/hal/linux: No such file or directory. Stop.
make: *** [madwifi_mimo-clean] Error 2

can u please help me fix this??

thanks in advance..

do not use the 2.6.23. its very old and not used since more than a year. use 2.6.34 or 3.2 or 3.3
build 19167 is based on the 3.2 kernel from our side
beside this you need to edit some make files to remove the private tree dependencies and you need to
add a ath9k based driver which is used in a modified form by us. unfortunatly i'm not allowed to
release this private driver sources, but the official ath9k works as well

Felix Lokananta

May 12 (12 days ago)

to Sebastian

On Sat, May 12, 2012 at 5:51 PM, Sebastian Gottschall (DD-WRT)
do not use the 2.6.23. its very old and not used since more than a year. use 2.6.34 or 3.2 or 3.3
build 19167 is based on the 3.2 kernel from our side
beside this you need to edit some make files to remove the private tree dependencies and you need to add a ath9k based driver which is used in a modified form by us. unfortunately i'm not allowed to release this private driver sources. but the official ath9k works as well

ok, i'll try to compile with universal kernel.. if i use universal kernel, to build the firmware, i am still use makefile.pb42 right??
i do not understand about private tree dependencies can u please explain to me?? and how do i add the official ath9k driver to makefile??

if i want to add some shell script in /bin inside the firmware, where do i put the shell script inside the source code?? do i need edit makefile too??

thank you for your patient for dealing with me.. i'm really appreciate it.. sorry for my bad english, english is not my primary language. ^^

Sebastian Gottschall (DD-WRT) s.gottschall@dd-wrt.com

May 12
(12 days ago)

to me

Am 12.05.2012 14:48, schrieb Felix Lokananta:

On Sat, May 12, 2012 at 5:51 PM, Sebastian Gottschall (DD-WRT)

do not use the 2.6.23. its very old and not used since more than a year. use 2.6.34 or 3.2 or 3.3
build 19167 is based on the 3.2 kernel from our side
beside this you need to edit some make files to remove the private tree dependencies and you need to add a ath9k based driver which is used in a modified form by us. unfortunately i'm not allowed to release this private driver sources. but the official ath9k works as well

ok, i'll try to compile with universal kernel.. if i use universal kernel, to build the firmware, i am still use makefile.pb42 right??

yes

i do not understand about private tree dependencies can u please explain to me?? and how do i add the official ath9k driver to makefile??
there is a ath9k.mk rules in the rules dir. this is the thing you need to consider. the rest is placed in a private directory which is not included in the official svn.
so you need simply to know how to use linux and how to build sources, then you should be able to integrate the ath9k buildtree

if i want to add some shell script in /bin inside the firmware, where do i put the shell script inside the source code?? do i need edit makefile too??
usually, but isn't it easier to use the firmware modification toolkit? I mean, so you don't need to compile anything

thank you for your patience for dealing with me.. I'm really appreciate it.. sorry for my bad English, English is not my primary language. ^^
mine is German :-)

Felix Lokananta

May 12
(12 days ago)

to Sebastian

there is a ath9k.mk rules in the rules dir. this is the thing you need to consider. the rest is placed in a private directory which is not included in the official SVN.
so you need simply to know how to use Linux and how to build sources, then you should be able to integrate the ath9k buildtree

ok.. I'll look into it..

usually, but isn't it easier to use the firmware modification toolkit? I mean, so you don't need to compile anything

I already did, but firmware modification toolkit doesn't approve if the new firmware is larger than the first one.. so I tried to modify the modification toolkit to approve is the new firmware larger than the first one it still build the firmware.
but when I tried to flash into my router it doesn't startup well.. the power LED is blinking all the time and I can not access the web GUI, so I use TFTP to install linksys firmware back again.
is it because the new firmware too big?? but my shell script is just around 22 KB, and the new firmware is just 3KB different from the first one.
or is it the way I upgrade the firmware is wrong??

Sebastian Gottschall (DD-WRT) s.gottschall@dd-wrt.com

May 13
(12 days ago)

to me

Am 12.05.2012 15:13, schrieb Felix Lokananta:

there is a ath9k.mk rules in the rules dir. this is the thing you need to consider. the rest is placed in a private directory which is not included in the official SVN.
so you need simply to know how to use Linux and how to build sources, then you should be able to integrate the ath9k buildtree
ok.. i'll look into it..

usually. but isn't it easier to use the firmware modification toolkit? i mean. so you don't need to compile anything.

i already did, but firmware modification toolkit doesn't approve if the new firmware is larger than the first one.

it's always larger if you add something. but that's no problem.

so i tried to modify the modification toolkit to approve is the new firmware larger than the first one it still build the firmware.

but when i tried to flash into my router it doesn't startup well. the power LED is blinking all the time and i can not access the web GUI, so i use tftp to install linksys firmware back again.

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or is it the way i upgrade the firmware is wrong??

if it's too big, it won't flash. so the image content must be bad.

to Sebastian

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but when i tried to flash into my router it doesn't startup well. the power LED is blinking all the time and i can not access the web GUI, so i use tftp to install linksys firmware back again.

is it because the new firmware too big?? but my shell script is just around 22 KB, and the new firmware is just 3KB different from the first one.

or is it the way i upgrade the firmware is wrong??

if it's too big, it won't flash. so the image content must be bad.

yeah.. last time i tried to extract the firmware and did nothing just built it again, and flashed it into my router again,

and the result was same, my router still does not boot up well, LED Power kept blinking and i used tftp again to give the firmware back.

the firmware modification kit i used was 0.76 beta.

do you know which version of firmware mod kit that working properly??

Felix Lokananta

May 13
(12 days ago)
to Sebastian

yeah.. last time i tried to extract the firmware and did nothing just built it again, and flashed it into my router again, and the result was same, my router still does not boot up well, LED Power kept blinking and i used tftp again to give the firmware back.
the firmware modification kit i used was 0.76 beta.
do u know which version of firmware mod kit that working properly??
i forgot one more, is DD-WRT v24-sp2 (08/07/10) std (SVN revision 14896) can be modified by FMK?? this is the version that i want to add shell script.

Sebastian Gottschall (DD-WRT) s.gottschall@dd-wrt.com

May 13 (12 days ago)

to me

Am 12.05.2012 22:28, schrieb Felix Lokananta:
so i tried to modify the modification toolkit to approve is the new firmware larger than the first one it still build the firmware. but when i tried to flash into my router it doesn't startup well.. the power LED is blinking all the time and i can not access the web GUI, so i use tftp to install linksys firmware back again. is it because the new firmware too big?? but my shell script is just around 22 KB, and the new firmware is just 3KB different from the first one. or is it the way i upgrade the firmware is wrong??
if its too big, it wont flash. so the image content must be bad

yeah.. last time i tried to extract the firmware and did nothing just built it again, and flashed it into my router again, and the result was same, my router still does not boot up well, LED Power kept blinking and i used tftp again to give the firmware back.
the firmware modification kit i used was 0.76 beta.
do u know which version of firmware mod kit that working properly??
i dont know. i'm not the author of this tool and for sure i never used it. make usually is important .dd-wrt uses a special modified mksquashfs-lzma tool. (source is published in the dd-wrt sourcetree)
never use any other mksquashfs version. this wont work
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http://en.wikipedia.org/wiki/Atrial_septal_defect

http://www.nichd.nih.gov/health/topics/asd.cfm

http://www.asd-europe.org/site/

http://coop.asd-acheh.org/


http://www.asdonline.com/lv/

http://www.ebi.ac.uk/asd/index.html

http://9gag.com/

http://9gag.com/trending

http://9gag.com/vote

http://www.kaskus.us/

http://www.nba.com/playoffs/2012/index.html

http://www.kaskus.us/showthread.php?t=10054438
LAMPIRAN E
Free Memory Pada Setiap Layanan dijalankan.

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Script Penambahan ..., Felix Lokananta, FTI UMN, 2012
LAMPIRAN F
#!/bin/sh

# Modding Script linksys WRT160NL
# Felix Lokananta - Sistem Komputer 08110210009
# Platform : Device Router Based On Atheros Processor
# Date : 13-4-2012
# Revision : v1.0

internet_check() {
    RESULT=`wget --spider http://google.co.id 2>&1`
    FLAG=0
    COUNT=0
    for x in $RESULT; do
        COUNT=`expr $COUNT + 1`
        if [ "$COUNT" == "4" ]; then
            FLAG=0
        else
            FLAG=1 # This means all good
        fi
    done
    if [ $FLAG -eq '0' ]; then
        echo "OK."
    else
        echo "INTERNET CONNECTION DOWN."
        break;
    fi
}

before_initiate_check() {
    if [ -f /tmp/root/initiate.log ]; then
        S2_CHECK=`cat /tmp/root/initiate.log | grep 'Step2'`
    fi
}

Source Code Script.
if [ "$S2_CHECK" == "" ]; then
    echo "Please Run Step 2 Initiation First."
    return 0
else
    echo "OK."
    return 1
fi
else
    echo "Please Run Step 1 & 2 Initiation First."
    return 0
fi

installed_check()
{
    STAT=`opkg list-installed | grep $1`;
    if [ "$STAT" == "" ]; then
        return 0; #Means that OPKG Has not been installed on the system.
    else
        return 1; #Means that OPKG Has been installed on the system.
    fi
}

#FLAG_CHECK_IP=0
check_ip()
{
    oldIFS=$IFS
    IFS="."
    quad=$1
    set -- $1

    if [ "$#" -ne "4" ]; then
        echo "$# Must have 4 parts"
        IFS=$oldIFS
        set -- $1
        return 1
    fi

    if [ "$1" -eq "0" ]; then
        echo "First octet must not be zero (0)...
        IFS=$oldIFS
        set -- $1
        return 1
    fi

    for oct in $1 $2 $3 $4; do
        echo $oct | egrep "^[0-9]+$" >/dev/null 2>&1
        if [ "$?" -ne "0" ]; then
            echo "$oct: Not numeric"
            IFS=$oldIFS
            set -- $1
            return 1
        else
            if [ "$oct" -lt "0" -o "$oct" -gt "255" ]; then
                echo "$oct: Out of range"
                IFS=$oldIFS
                set -- $1
                return 1
            else
                if [ "Socit" -lt "0" -o "Socit" -gt "255" ]; then
                    echo "$Socit: Out of range"
                    IFS=$oldIFS
                    set -- $1
                    return 1
                else
                    if [ "$Socit" -eq "0" ]; then
                        echo "Socit must not be zero (0)"
                        IFS=$oldIFS
                        set -- $1
                        return 1
                    fi
                fi
            fi
        fi
    done
}
done

echo "Squad" | grep "." >/dev/null 2>&1
if [ "$?" = "0" ]; then
    echo "Trailing period - invalid"
    IFS=$oldIFS
    set -- $1
    return 1
fi

echo "Squad validates OK!"
IFS=$oldIFS
set -- $1
return 0
}

check_port()
{
    echo $1 | egrep "^[0-9]+$" >/dev/null 2>&1
    if [ "$?" != "0" ]; then
        echo "$1: Not numeric"
        return 1
    else
        if [ "$1" -lt "0" -o "$1" -gt "65535" ]; then
            echo "$1: Out of range"
            return 1
        fi
    fi

echo "$1 OK!!"
return 0
}

quota_check()
{
    DEV=`df -h | grep /mnt`
    oldIFS=$IFS
    IFS=""'
    set -- $DEV

    echo -n "Free Memory on USB Flash Drive : $3"
    echo "B"
    echo "Are you sure want continue this installation (Y/N)?"
    read SURE
    if [ "$SURE" = "Y" -o "$SURE" = "y" ]; then
        IFS=$oldIFS
        set -- $DEV
        return 1
    else
        IFS=$oldIFS
        set -- $DEV
        return 0
    fi
```bash
step1_initiate()
{
    if [ -f /tmp/root/initiate.log ]; then
        echo "This Setup Has Been Run. Quiting.."
    else
        echo "############################################################
        echo "# Setup Step1 Initiate 
        echo "############################################################
        echo -n "Finding USB drives...
        DEV=`find /dev/scsi/ -name part1`
        if [ "$DEV" == "" ]; then
            echo "Failed."
            echo "Please attach the USB Hard Drive, and enable USB support in the web administration page."
            break
        else
            echo "done."
            echo -n "Mounting USB drive... 
            mount $DEV /mnt
            if [ $? -ne 0 ]; then
                echo "Failed."
            else
                echo "done."
                echo -n "create and prepare necessary folders.."
                cd /mnt
                mkdir etc opt root
                touch optware.enable
                chmod 755 etc opt root
                mkdir opt/lib
                chmod 755 opt/lib
                cp -a /etc/* /mnt/etc/
                mount -o bind /mnt/etc /etc
                mount -o bind /mnt/opt /jffs
                mount -o bind /mnt/root /tmp/root
                echo "done."
                cd /jffs/lib/
                echo -n "Downloading Several Library for OPKG..."
                wget http://dl.dropbox.com/u/24733214/lib.tar.gz -q
                if [ $? -eq 0 ]; then
                    echo "done."
                    #chmod 777 lib.tar.gz
                    tar -xz -f lib.tar.gz
                    echo -n "Change Mod lib.."
                    chmod a+x /jffs/lib/*
                    rm lib.tar.gz
                    cd ~
                    echo "done."
                else
                    echo "failed."
                fi
            fi
        fi
    fi
}
```

wget http://downloads.openwrt.org/backfire/10.03/ar71xx/packages/opkg_513-2_ar71xx.ipk -q
if [ $? -eq 0 ]; then
  echo "done."
  echo -n "Installing OPKG..."
  ipkg install /tmp/opkg_513-2_ar71xx.ipk >> /dev/null
2>&1
  echo "done."
http://downloads.openwrt.org/backfire/10.03.1-rc3/ar71xx/packages/
dest root /opt
dest ram /tmp
lists_dir ext /tmp/var/opkg-lists" > /etc/opkg.conf
  echo -n "Creating startup Scripts..."
  nvram set rc_startup="#!/bin/sh
  sleep 5
  mount \find /dev/scsi\ -name part1\ /mnt
  sleep 2
  if [-f /mnt/optware.enable ]; then
    mount -o bind /mnt/etc etc
    mount -o bind /mnt/root /tmp/root
    mount -o bind /mnt/opt /opt
  else
    exit
  fi
  if [-d /opt/usr ]; then
    export LD_LIBRARY_PATH="/opt/lib:/opt/usr/lib:/usr/lib/
    export PATH="/opt/bin:/opt/usr/bin:/opt/sbin:/opt/usr/sbin:/sbin:/bin:
    nvram commit
    echo "done."
  cd /mnt/root
  wget http://dl.dropbox.com/u/24733214/Final_opt.sh -q
  chmod +x Final_opt.sh
  echo "Step1_OK" > initiate.log
  echo "This Router will be Reboot automaticaly."
  reboot
  else
    echo "Failed."
  umount /mnt
  fi
  if
  fi
  fi
  fi
  fi
  nvram set rc_startup="#!/bin/sh
  sleep 5
  mount \find /dev/scsi\ -name part1\ /mnt
  sleep 2
  if [-f /mnt/optware.enable ]; then
    mount -o bind /mnt/etc etc
    mount -o bind /mnt/root /tmp/root
    mount -o bind /mnt/opt /opt
  else
    exit
  fi
  if [-d /opt/usr ]; then
    export LD_LIBRARY_PATH="/opt/lib:/opt/usr/lib:/usr/lib/
    export PATH="/opt/bin:/opt/usr/bin:/opt/sbin:/opt/usr/sbin:/sbin:/bin:
    nvram commit
    echo "done."
  cd /mnt/root
  wget http://dl.dropbox.com/u/24733214/Final_opt.sh -q
  chmod +x Final_opt.sh
  echo "Step1_OK" > initiate.log
  echo "This Router will be Reboot automaticaly."
  reboot
  else
    echo "Failed."
  umount /mnt
  fi
  fi
  fi
  fi
  fi
  fi
step2_initiate()
{
    if [ -f /tmp/root/initiate.log ]; then
        S2_CHECK=`cat /tmp/root/initiate.log | grep 'Step2'`;
    fi
    if [ "$S2_CHECK" == "" ]; then
        echo "#############################################################################
        echo "# Setup Step2 Initiate #"
        echo "#############################################################################
        echo -n "Export library....."
        export LD_LIBRARY_PATH='/opt/lib:/opt/usr/lib:/lib:/usr/lib'
        export PATH='/opt/bin:/opt/usr/bin:/opt/sbin:/opt/usr/sbin:/bin:/sbin:/usr/sbin:/usr/bin'
        echo "done."
        echo -n "Updating and Install severals OPT..."
        OPKG=`opkg update | grep 'Updated'`
        if [ "$OPKG" == "" ]; then
            echo "Failed."
        else
            opkg install libc >> /dev/null 2>&1
            echo "....."
            opkg install libgcc >> /dev/null 2>&1
            echo "....."
            opkg install uclibcxx >> /dev/null 2>&1
            echo "....."
            opkg install libncurses >> /dev/null 2>&1
            echo "....."
            opkg install busybox >> /dev/null 2>&1
            echo "Done."
        fi
        echo "export LD_LIBRARY_PATH='/opt/lib:/opt/usr/lib:/lib:/usr/lib:/opt/usr/local/lib'
        export PATH='/sbin:/opt/bin:/opt/usr/bin:/opt/sbin:/opt/usr/sbin:/bin:/sbin:/usr/sbin:/opt/usr/local/bin'
        export PS1="[\033[01;31m]\u@\h \[\033[01;34m]\W \$ \[\033[00m]\""
        export TERMINFO="/opt/usr/share/terminfo" >> /mnt/root/.profile
        echo "Please exit this telnet and relog."
        echo "Step2_OK" >> initiate.log
    fi
    else
        echo "This Setup Has Been Run. Quiting...
    fi
else
    echo "Please Run Step 1 Initiation First."
fi
}

samba_setup()
{
    echo "#############################################################################
    echo "# Configure Samba WRT160NL #"
    echo "#############################################################################
    installed_check samba
    if [ $? -eq 0 ]; then
        echo "Samba Server Has not installed on the System"
else
    echo -n "Enter Username For Samba Server : "
    read UNAME
    echo "nobody:x:65534:65534:nobody:/mnt:/bin/false
    $UNAME:x:65534:65534:$UNAME:/mnt/share:/bin/false" >> /etc/passwd
    while true
        do
            passwd $UNAME
            if [ $? -eq 0 ]; then
                break;
            fi
        done
    PASS=`grep $UNAME /etc/passwd`
    echo "grep -q nobody /etc/passwd || echo 'nobody:x:65534:65534:nobody:/mnt:/bin/false' >> /etc/passwd
grep -q $UNAME /etc/passwd || echo $PASS >> /etc/passwd" > /opt/etc/init.d/adduser
    chmod a+x /opt/etc/init.d/adduser
    ln -s /opt/etc/init.d/adduser /opt/etc/init.d/S05adduser
    mkdir -m 777 /mnt/share
    mkdir /etc/samba
    touch /etc/samba/smbpasswd
    echo -n "Please Insert Password same with above : "
    stty -echo
    read UPASS
    stty echo
    smbpasswd $UNAME $UPASS
    mkdir -p /opt/etc/samba/
    cp -a /etc/samba/* /opt/etc/samba/
    chmod 644 /opt/etc/samba/smbpasswd
    echo "[global]"
    netbios name = DD-WRT
    workgroup = WORKGROUP
    server string = DD-WRT
    syslog = 10
    encrypt passwords = true
    passdb backend = smbpasswd
    obey pam restrictions = yes
    socket options = TCP_NODELAY
    preferred master = no
    os level = 20
    security = user
    guest account = nobody
    invalid users = root
    smb passwd file = /opt/etc/samba/smbpasswd
    unix charset = UTF-8
    dos charset = UTF-8
    [homes]
    comment = Home Directories
    browseable = no
    read only = no
    create mode = 0750

[USBDrive]
path = /mnt/
read only = no
guest ok = no
create mask = 0700
directory mask = 0700

> /opt/etc/samba/smb.conf
smbd -s /opt/etc/samba/smb.conf
echo -e "nDone."
echo -n "Adding samba to startup Scripts..."

nvram set rc_startup="#!/bin/sh

sleep 5
mount `find /dev/scsi/ -name part1` /mnt

sleep 2
if [-f /mnt/optware.enable ]; then
  mount -o bind /mnt/etc /etc
  mount -o bind /mnt/root /tmp/root
  mount -o bind /mnt/opt /opt
else
  exit
fi

if [-d /opt/usr ]; then
  export LD_LIBRARY_PATH='/opt/lib:/opt/usr/lib:/lib:/usr/lib'
  export PATH='/opt/bin:/opt/usr/bin:/opt/sbin:/opt/usr/sbin:/bin:/sbin:/usr/sbin:/usr/bin'
else
  exit
fi

smbd -s /opt/etc/samba/smb.conf

nvram commit
echo "done."
echo "Now samba Can be access with your username and password at your router's IP Address."

#samba_install()
{}

samba_install()
{}

# installed_check samba
if [ $? -ne 0 ]; then
  echo "Update Opkg and Install Samba3...."
  OPKG=`opkg update | grep 'Updated'
else
  echo "Failed."
else
  opkg install samba3 >> /dev/null 2>&1
  echo "Done."
  samba_setup

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else
    echo "Samba3 Has Been Installed on This System."
fi

printer_setup()
{
    # Install Printer Server
    installed_check p910nd
    if [ $? -eq 0 ]; then
        echo -n "Setting up printer... "
        PRINTER=`dmesg |grep usblp0`; 
        if [ "$PRINTER" == "" ]; then
            echo "ERROR: No USB printer found!";
            echo "Please attach the USB printer, and enable USB support in the web administration page.";
        else
            echo "done."
            echo -n "Installing Printer Server.. 
            OPKG=`opkg update | grep 'Updated'`
            if [ "$OPKG" == "" ]; then
                echo "Failed."
            else
                opkg install p910nd >> /dev/null 2>&1
                echo "done."
                echo -n "Creating Auto Script.."
                echo "source /mnt/root/.profile
                mkdir -m 755 -p /dev/usb
                mknod -m 660 /dev/usb/lp0 c 180 0
                sleep 1
                P910ND='/opt/usr/sbin/p910nd'
                killall -9 p9100d
                "$P910ND"" -b -f /dev/usb/lp0 0" /opt/etc/init.d/p910nd
                echo "done."
                chmod a+x /opt/etc/init.d/p910nd
                ln -s /opt/etc/init.d/p910nd /opt/etc/init.d/S30p910nd
                echo "Printer Server is installed. Reboot or manually run /opt/etc/init.d/p910nd to make the change take effect."
            fi
        fi
    else
        echo "Printer Server Has Been Installed on This System."
    fi
}

torrent_client()
{
    # Script Penambahan ..., Felix Lokananta, FTI UMN, 2012

echo "# Install Torrent Client #"
echo "########################################################################"
echo -n "Installing Torrent Client..."
installed_check samba
if [ $? -eq 0 ]; then
echo -e "Failed. You need to Install Samba Server First!!!"
else
installed_check transmission-web
if [ $? -eq 0 ]; then
  OPKG=`opkg update | grep 'Updated'
  if [ "$OPKG" == "" ]; then
    echo "Failed."
  else
    opkg install transmission-web >> /dev/null 2>&1
    echo "done."
    echo -n "Creating Default Configuration File in several seconds.. "
    transmission-daemon
    sleep 10
    killall transmission-daemon
    #STAT=`ls /mnt/root/.config/transmission-daemon/ | grep settings.json`
    #if [ "$STAT" == "" ]
    #then
    #  echo "settings.json belum ada.. msh harus tunggu..."
    #else
    cd /mnt/root/.config/transmission-daemon/
    wget http://dl.dropbox.com/u/24733214/settings.json -O settings.json.new
    cd ~
    mv /mnt/root/.config/transmission-daemon/settings.json old
    mv /mnt/root/.config/transmission-daemon/settings.json.new
    cd /mnt/root/.config/transmission-daemon/
    echo "done."
    echo "Creating Download Folder.."
    mkdir -m 777 /mnt/share/torrents
    echo "done."
    export
    TRANSMISSION_WEB_HOME="/opt/usr/share/transmission/web"
    transmission-daemon -g /mnt/root/.config/transmission-daemon/
    echo "export"
    TRANSMISSION_WEB_HOME="/opt/usr/share/transmission/web" >> /mnt/root/.profile
    killall transmission-daemon
    sleep 2
    transmission-daemon -g /mnt/root/.config/transmission-daemon" >> /opt/etc/init.d/transmission
    chmod a+x /opt/etc/init.d/transmission
    ln -s /opt/etc/init.d/transmission /opt/etc/init.d/S60transmission
    echo -e "You can access the GUI via http://Router's IP Address:9091
"
  fi
fi
else
  echo "Torrent Client Has Been Installed on This System.."
fi
squid_setup(
{
    echo "# Configure Squid Server #"
    installed_check squid
    if [ $? -eq 0 ]; then
        echo "Squid server has not been installed on this system."
    else
        while true
            do
                echo -n "Please Insert Your Proxy Server's IP Address x.x.x.x : "
                read RIPADD;
                echo -n "Checking IP Address Format....."
                check_ip $RIPADD
                if [ $? -eq 0 ]; then
                    break;
                fi
            done
        while true
            do
                echo -n "Please Insert Desireable Port Number : "
                read RPORT;
                echo -n "Checking Port Number Format....."
                check_port $RPORT
                if [ $? -eq 0 ]; then
                    break;
                fi
            done
        while true
            do
                echo -n "Please Insert Your Network Address x.x.x.x : "
                read NADD;
                echo -n "Checking Network Address Format....."
                check_ip $NADD
                if [ $? -eq 0 ]; then
                    break;
                fi
            done
        while true
            do
                echo -n "Please Insert Your Network Subnet x.x.x.x : "
                read NSUB;
                echo -n "Checking IP Address Format....."
                check_ip $NSUB
                if [ $? -eq 0 ]; then
                    break;
                fi
            done
    installed_check samba
}
if [ $? -eq 0 ]; then
grep -q nobody /etc/group || echo "nobody:x:65534:." >> /etc/group
grep -q nobody /etc/passwd || echo "nobody:x:65534:65534:nobody:/mnt:/bin/false"
fi

>> /etc/passwd

echo -n "Creating Squid.conf......"
mv /opt/etc/squid/squid.conf /opt/etc/squid/squid.conf.old
echo "cache_effective_user nobody"
cache_mgr sorry@nomail.ru
visible_hostname linksys WRT160NL

#cache replacement_policy LFUDA
#memory replacement_policy LFUDA

ipcache_size 2048
cache_swap_low 90
cache_swap_high 95
maximum_object_size_in_memory 100 KB

#If you have 64/8MB Router you can use 16MB cache_mem if smaler router use 8MB
cache_mem 16 MB

#this is cachedir you can change if you want. 400 meams 400MB cache. size you can change what you want
cache_dir ufs /opt/var/squid/cache 400 16 256

logfile_rotate 10
fqdn_cache_size 2048
memory_pools off
maximum_object_size 16384 KB
quick_abort_min 0 KB
quick_abort_max 0 KB
log_icp_queries off
client_db off
buffered_logs off
half_closed_clients off
negative_dns_ttl 10 second
connect_timeout 60 second
read_timeout 80 second
request_timeout 80 second

dns_testnames none
mime_table /opt/etc/squid/mime.conf
unlinkd_program /opt/usr/lib/squid/unlinkd
logfile_daemon /opt/usr/lib/squid/logfile-daemon
icon_directory /opt/usr/share/squid/icons
error_directory /opt/usr/share/squid/errors/English

#if you don't direct your logs to nul it will be even
#slower than the usual slow

#Logs you can change dir what you want
cache_access_log /opt/var/squid/logs/access.log
#cache_access_log /dev/null
cache_log /opt/var/squid/logs/debug
## Squid Configuration File

```plaintext
#cache_store_log /dev/null
cache_store_log /opt/var/squid/logs/storage

pid_filename /var/run/squid.pid
pinger_program /opt/usr/lib/squid/pinger
netdb_filename /opt/var/squid/logs/netdb.state

hierarchy_stoplist on

# Proxy Ip same as dd-wrt RuterIp. change how you want
http_port $RIPADD:$RPORT transparent

# Global ACL-Definitions (Access control lists)

acl idents ident REQUIRED
acl manager proto cache_object
acl localhost src 127.0.0.1/255.255.255.255
acl all src 0.0.0.0/0.0.0.0
acl intern dst 10.10.14.0/255.255.255.0
acl FTP proto FTP
always_direct allow FTP

# Allowed working outgoing Ports and LAN Ips
acl Allowed_Ports port 80 99 443 21 563 488 777 210 1025-65535
acl yourLAN src $NADD/$NSUB

# http_access definition
http_access allow idents
http_access allow all
http_access allow intern
http_access deny manager all
http_access allow yourLAN
http_access deny all
icp_access deny all
miss_access allow all
always_direct allow intern
" " > /opt/etc/squid/squid.conf

```

```bash
echo "done."
echo -n "Creating Cache Folder..."
mkdir /opt/var/
mkdir /opt/var/squid/
mkdir /opt/var/squid/cache/
mkdir /opt/var/squid/logs/
chmod 777 /opt/var/squid/*

```

```bash
echo "done."
squid -z -f /opt/etc/squid/squid.conf
echo "done."
echo -n "Starting squid..."
squid -D -f /opt/etc/squid/squid.conf
echo "done."
echo -n "Creating Startup Script..."
echo " 

```

```bash
source /mnt/root/.profile

```

```bash
if grep -q nobody /etc/passwd; then
echo 'User nobody exists'
```

```bash
```
else
    echo 'Created user nobody'
    echo 'nobody:*:65534:65534:nobody:/var:/bin/false' >> /etc/passwd
fi

if grep -q nobody /etc/group; then
    echo 'Group 'nobody' exists'
else
    echo 'Created group 'nobody''
    echo 'nobody:x:65534:' >> /etc/group
fi

SQUID='/opt/usr/sbin/squid'
"$SQUID" -D -f /opt/etc/squid/squid.conf" > /opt/etc/init.d/squid
chmod a+x /opt/etc/init.d/squid
ln -s /opt/etc/init.d/squid /opt/etc/init.d/S80squid
echo "done."

squid_install()
{
    installed_check squid
    if [ $? -eq 0 ]; then
        echo -n "Installing Squid Server...
        OPKG=`opkg update | grep 'Updated'
        if [ "$OPKG" == "" ]; then
            echo "Failed."
        else
            opkg install squid >> /dev/null 2>&1
        fi
        squid_setup
    else
        echo "Squid Server Has Been Installed on This System."
    fi
}

while true
do
    echo "###########################################################################
    echo "#         Modification Tools DD-WRT feature for Atheros Processor    #
    echo "###########################################################################
    echo "#   1. Step 1 Setup Initiate. Must Do First!! (Reboot Automatically) #
    echo "#   2. Step 2 Setup Initiate. Do it After Step 1.                     #
    echo "#   3. Samba Server Install. (Automatically Run Samba Setup)         #
    echo "#   4. Samba Server Setup. (Username, Password For Samba Server)     #
    echo "#   5. Printer Server Setup. (Printer Need to be Plugged)           #
    echo "#   6. Torrent Client Setup. (Samba Server is Needed)               #
    echo "#   7. Squid Server Install. (Automatically Run Squid Server Setup) #
    echo "#   8. Squid Server Setup. (IP Address, Port Number, NetAddress, Netmask) #
    echo "#   9. Exit.                                                      #
    echo "###########################################################################
    echo "Script Penambahan ..., Felix Lokananta, FTI UMN, 2012"
echo -n "Please Insert Your Choice 1 ~ 9 : "
read VAR

case "$VAR" in
    1)
        echo -n "Checking Internet Connection....."
        internet_check
        step1_initiate
    ;;
    2)
        echo -n "Checking Internet Connection....."
        internet_check
        step2_initiate
    ;;
    3)
        echo -n "Checking Internet Connection....."
        internet_check
        echo -n "Checking Initiate Setup....."
        before_initiate_check
        if [ $? -eq 1 ]; then
            samba_install
        fi
    ;;
    4)
        echo -n "Checking Initiate Setup....."
        before_initiate_check
        if [ $? -eq 1 ]; then
            samba_setup
        fi
    ;;
    5)
        echo -n "Checking Internet Connection....."
        internet_check
        echo -n "Checking Initiate Setup....."
        before_initiate_check
        if [ $? -eq 1 ]; then
            printer_setup
        fi
    ;;
    6)
        echo -n "Checking Internet Connection....."
        internet_check
        echo -n "Checking Initiate Setup....."
        before_initiate_check
        if [ $? -eq 1 ]; then
            quota_check
            if [ $? -eq 1 ]; then
                torrent_client
            fi
        fi
    ;;
    7)
        echo -n "Checking Internet Connection....."
        internet_check
        echo -n "Checking Initiate Setup....."
        before_initiate_check
        if [ $? -eq 1 ]; then
            squid_install
        fi
    ;;
    *)
        echo "Invalid Choice. Please try again."
    ;;
esac
echo -n "Checking Initiate Setup....."
before_initiate_check
if [ $? -eq 1 ]; then
    squid_setup
fi

break;

 echo "Your Choice is not Available. Please Insert a Number Between 1 ~ 9."