For version 0.2.16 and higher

Mounting of portal from SMB

Example of mounting string:

```
mount -t cifs //<yor_ip>/test/web /home/web -o user=user
```

For mounting of portal while STB starting, it is necessary to add next string in script `./test.sh`

Example of test.sh file (there is only part of file):

```
if [ -n "$upd_ver" ]; then
    echo "The update number version: $upd_ver"
    img_version_now=`fw_printenv Image_Version 2>/dev/null`
    img_version_now=${img_version_now#Image_Version=}
    if [ "$upd_ver" -eq "$img_version_now" ]; then
        echo "The number version's equal"
    else
        # We need update
        /usr/bin/update_img.sh $upd_ver $upd_url $upd_mode
    fi
fi

############### Mounting of portal from SMB
#######################################

mount -t cifs //<yor_ip>/test/web /home/web -o user=user

#########################################################################
#####

if [ "$PORTAL_1$PORTAL_2$PORTAL_DHCP" ]; then
    echo "Loading start page..."
    /usr/share/qt-4.6.0/stbapp -qws -display directfb
file:///home/web/index.html
else
    echo "Error loading portal. Service Page"
    /usr/share/qt-4.6.0/stbapp -qws -display directfb
/home/web/services.html
fi
```

Mounting of portal from NFS

Place files of portal on the server with **NFS** access to directory with files.

String of mounting:

```
mount -o nolock <your_IP>:/srv/test/web /home/web
```

For mounting of portal while STB starting, it is necessary to add next string in script `./test.sh`

Example of test.sh file (there is only part of file):

```
if [ -n "$upd_ver" ]; then
    echo "The update number version: $upd_ver"
    img_version_now=`fw_printenv Image_Version 2>/dev/null`
    img_version_now=${img_version_now#Image_Version=}
    if [ "$upd_ver" -eq "$img_version_now" ]; then
        echo "The number version's equal"
    else
        # We need update
        /usr/bin/update_img.sh $upd_ver $upd_url $upd_mode
    fi
fi

############### Mounting of portal from NFS
#####################################

mount -o nolock <your_IP>:/srv/test/web /home/web

#########################################################################
#####

if [ "$PORTAL_1$PORTAL_2$PORTAL_DHCP" ]; then
    echo "Loading start page..."
    /usr/share/qt-4.6.0/stbapp -qws -display directfb
file:///home/web/index.html
else
    echo "Error loading portal. Service Page"
    /usr/share/qt-4.6.0/stbapp -qws -display directfb
/home/web/services.html
fi
```

Loading of rootfs from DHCP

Example based on OS Ubuntu Server 12.04 LTS x86.

Packets: `nfs-kernel-server`, `isc-dhcp-server`, `openbsd-inetd`, `tftpd, tftp`

More detailed information about firmware loading from DHCP: Firmware loading from DHCP

Example of dhcp.conf file:

```
    option ntp-servers 10.1.1.1;
```

```
    option domain-name-servers 10.1.1.1;
    authoritative;
    option subnet-mask 255.255.255.0;
    default-lease-time 600;
    max-lease-time 7200;
    allow bootp;


################################################################
# Option for Infomir
################################################################
    option space Infomir;
    option Infomir.autostart         code 1 = text;
    option Infomir.bootargs          code 2 = text;
    option Infomir.mcip              code 3 = ip-address;
    option Infomir.mcport            code 4 = integer 16;
    option Infomir.oppubfile         code 9 = text;
    option Infomir.mcip_img          code 10 = ip-address;
    option Infomir.mcport_img        code 11 = integer 16;
    option Infomir.mcip_mng          code 12 = ip-address;
    option Infomir.mcport_mng        code 13 = integer 16;
    option Infomir.ip_log            code 14 = ip-address;
    option Infomir.port_log          code 15 = integer 16;
    option Infomir.logo_x            code 16 = integer 16;
    option Infomir.logo_y            code 17 = integer 16;
    option Infomir.bg_color          code 18 = integer 32;
    option Infomir.fg_color          code 19 = integer 32;
    option Infomir.VerNumber         code 20 = text;
    option Infomir.DateTime          code 21 = text;
    option Infomir.portal_dhcp       code 22 = text;
    option Infomir.timezone          code 23 = text;
    option Infomir.update_url        code 24 = text;
    option Infomir.update_sboot      code 25 = text;
    option Infomir.update_ver        code 26 = text;
    option Infomir.update_mode       code 27 = text;
    option Infomir.update_sboot_ver  code 28 = text;


################################ BOOT MAG250
################################################
###### kernel loading from tftp with rootfs, which is mounted from NFS

    class "MAG250_boot" {
    match if (( option vendor-class-identifier="InfomirMAG250boot"));
    filename "mag250/uImage_mag250"; //kernel location
    next-server 10.1.1.1;
    option root-path "10.1.1.1:/srv/mag250"; //rootfs location
    option ntp-servers 10.1.1.1;
    vendor-option-space Infomir;
    }
```

```
################################ NETWORK ###################################

    subnet 10.1.1.0 netmask 255.255.255.0 {
        option subnet-mask 255.255.255.0;
        next-server 10.1.1.1;
        pool {
    range 10.1.1.10 10.1.1.254;
        next-server 10.1.1.1;
        option ntp-servers 10.1.1.1;
            }
    }
```

Embedded portal loading on STB from console

Connect to STB via SSH

run next command:

```
killall stbapp
/usr/share/qt-4.6.0/stbapp -qws -display directfb /home/web/services.html
```

Portal loading from console, files are available from HTTP

Connect to STB via SSH

run next command:

```
killall stbapp
/usr/share/qt-4.6.0/stbapp -qws -display directfb
http://your_ip/you_portal/index.html
```

How to enable debug in embedded portal

For version **lower than 0.2.16** - it is necessary to make changes in `/home/web/vars.js`

`var debug=0` change to `var debug=1`

For version **0.2.18 and higher** - it is necessary to set environment variable debug=1 (1 - enabled, 0 or empty value - disabled)