Installation Guide for Twonky 6.0.39 on the Iomega iConnect
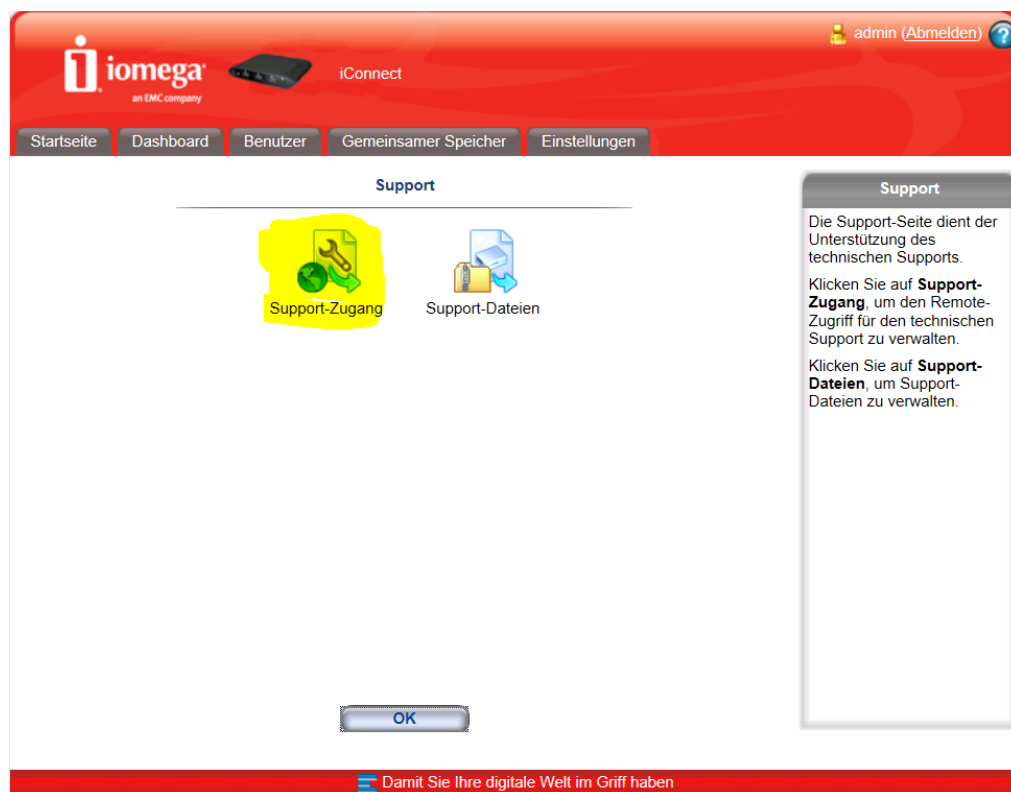
1. Prerequisites

   a.) Assume iConnect with the firmware version **2.5.24.10916**
   b.) Assume iConnect has the ip address 192.168.1.12 and there is the admin user 'admin'
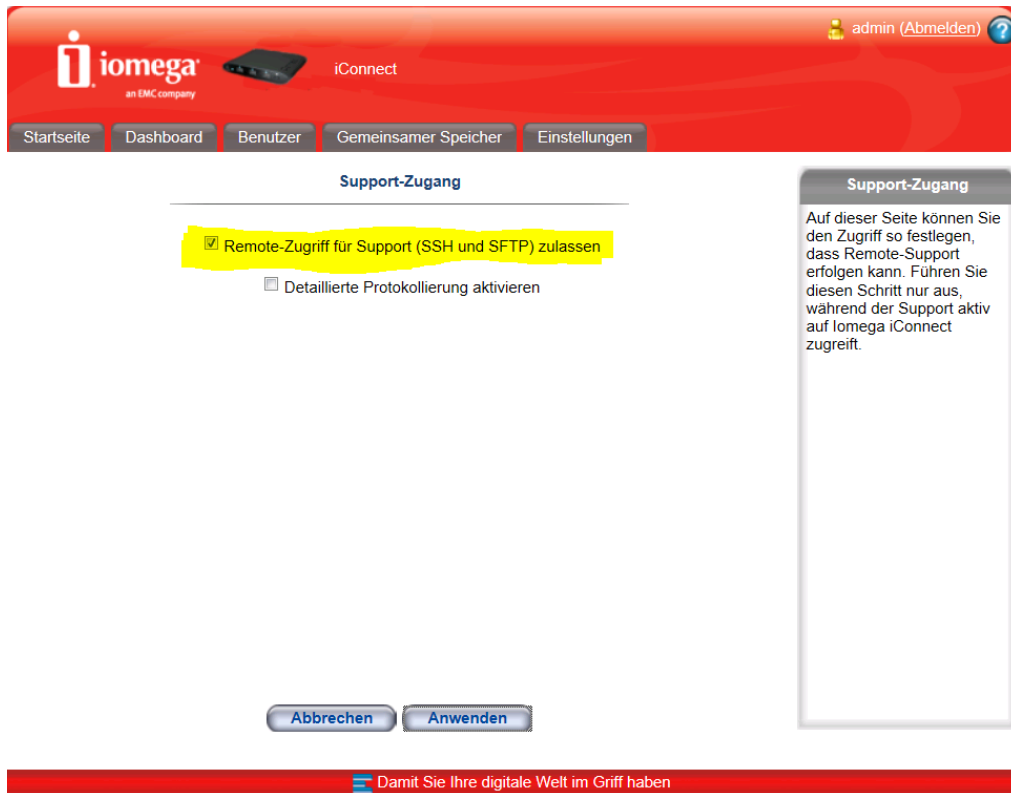   with the password 'admin' configured
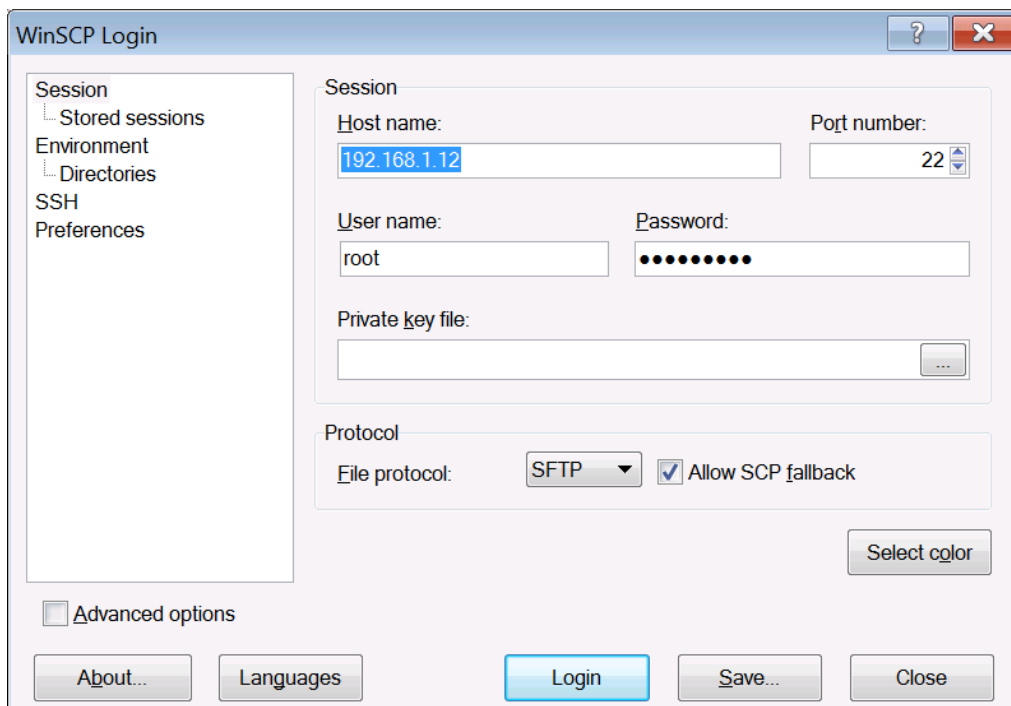
2. Enable support access through SSH & SFTP

   Go to
   https://192.168.1.12/support.html

   Login with the admin user and enable the SSH & SFTP access:

iomega
an EMC company

iConnect

Startseite | Dashboard | Benutzer | Gemeinsamer Speicher | Einstellungen

Support-Zugang

☑ Remote-Zugriff für Support (SSH und SFTP) zulassen

☐ Detaillierte Protokollierung aktivieren

Support-Zugang

Auf dieser Seite können Sie den Zugriff so festlegen, dass Remote-Support erfolgen kann. Führen Sie diesen Schritt nur aus, während der Support aktiv auf Iomega iConnect zugreift.

Abbrechen   Anwenden

Damit Sie Ihre digitale Welt im Griff haben

3. Install WinSCP (http://winscp.net)
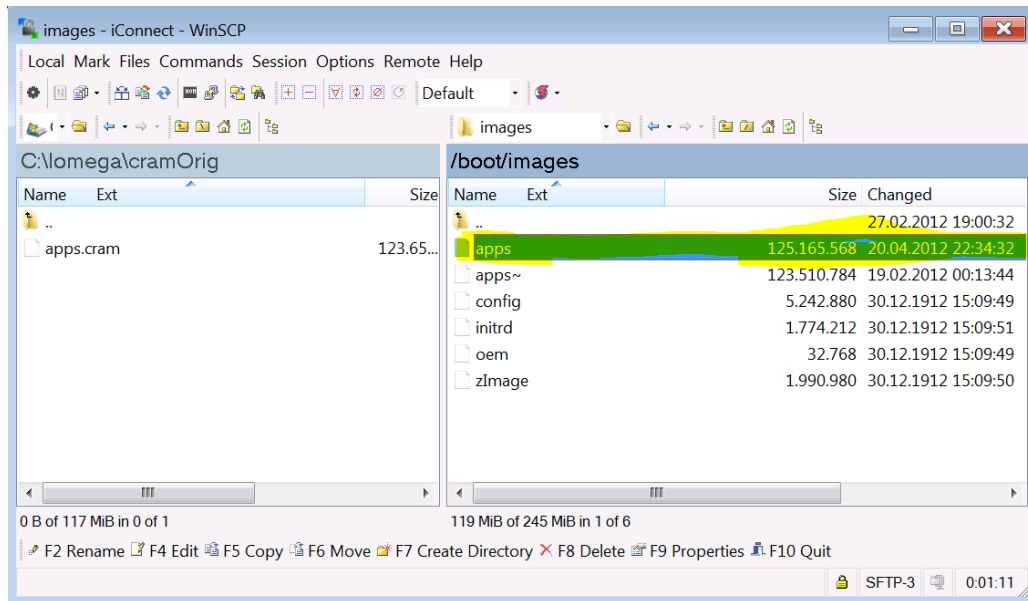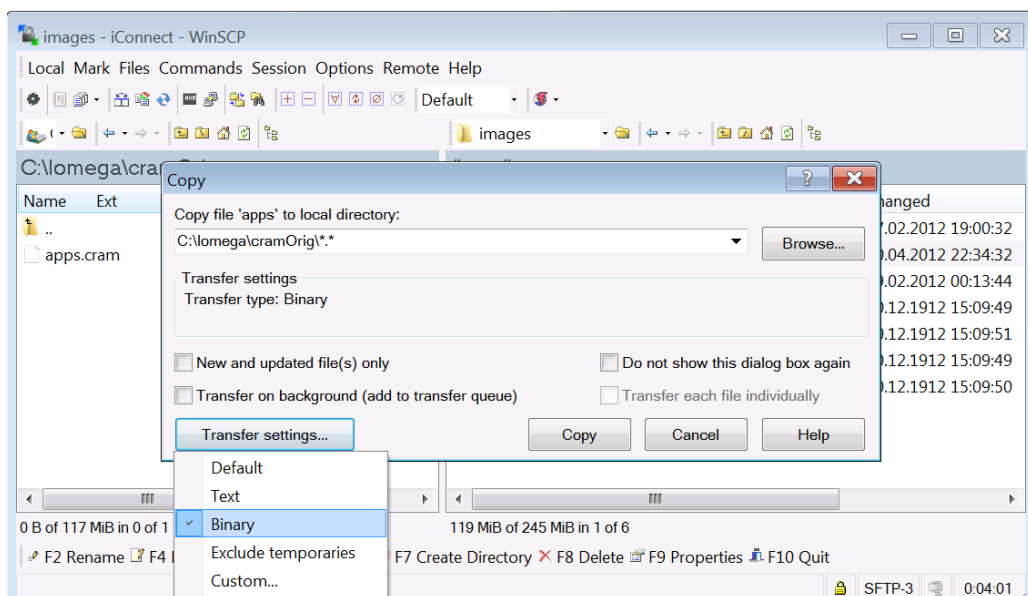
   Configure the SFTP connection to the iConnect – user name 'root' and the password is 'sohoadmin' (prefix 'soho' + the password of your admin user):

WinSCP Login

Session
  Stored sessions
Environment
  Directories
SSH
Preferences

Session
Host name: 192.168.1.12   Port number: 22

User name: root   Password: ••••••••

Private key file:

Protocol
File protocol: SFTP ▾   ☑ Allow SCP fallback

Select color

Advanced options

About...   Languages   Login   Save...   Close

Connect to the iConnect and find the binary file /boot/images/apps in the right tab (while the left tab is showing your current directory on the PC)

drag and drop it to the left tab (and mark the binary transfer for sure)

4. Copy the apps file to a Linux machine

5. Establish the ssh session with your Linux (e.g. using the putty program, see http://www.putty.org/ and expand the apps file by the following command into the apps_dir directory:
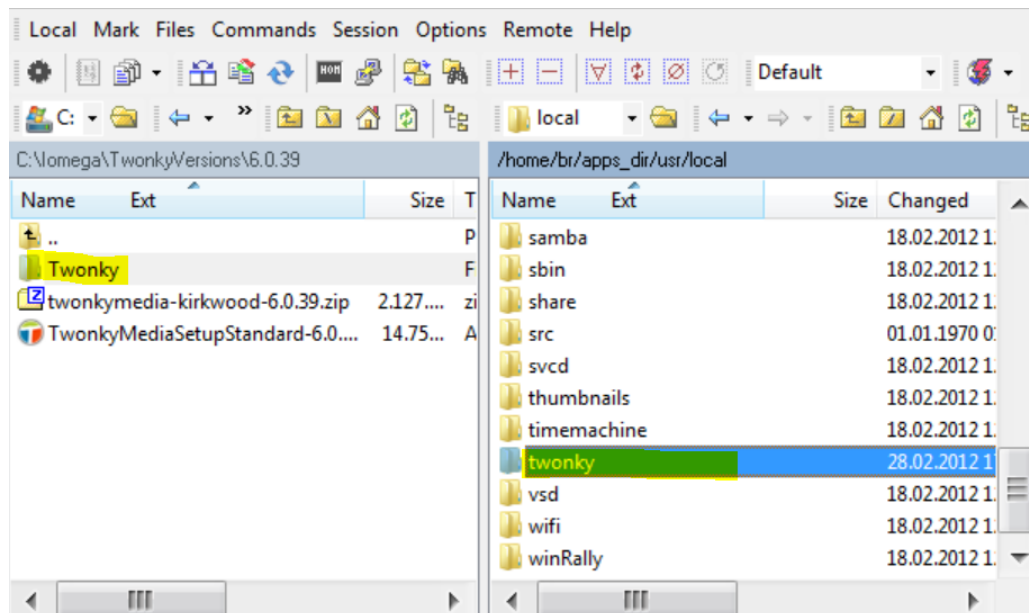
cramfsck -x apps_dir apps

and make the following changes.

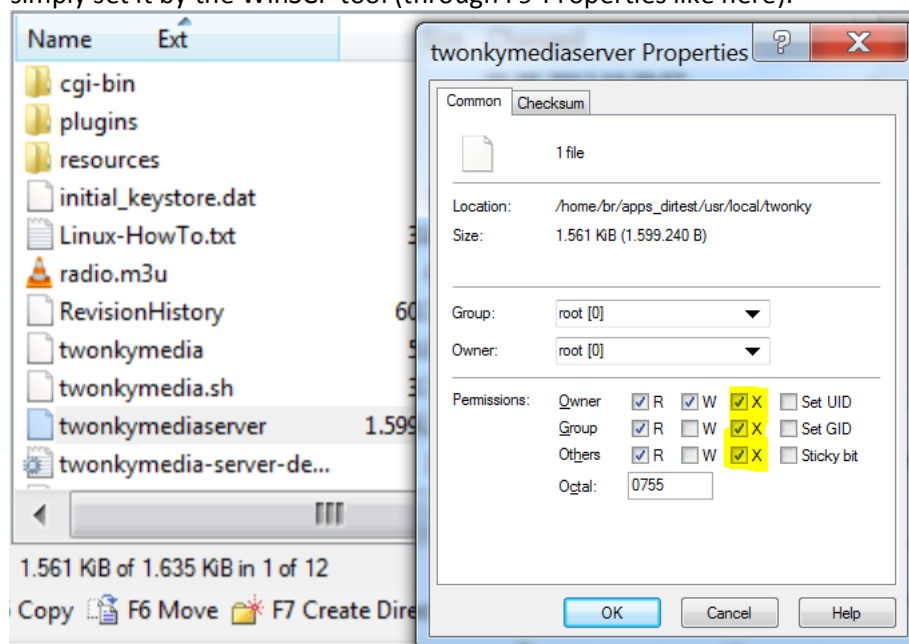6. Get the Twonky version 6.0.39 the NAS build for the Kirkwood platform from

   http://www.twonkyforum.com/downloads/6.0.39/

   extract from the zip archive into the twonky folder. Connect to the apps_dir folder (on Linux machine) by the WinSCP tool, delete or rename the original /…./apps_dir/twonky folder and copy the one just extracted from the PC (binary copy):

7. Double check whether all programs in the twonky folder do have the EXEC right – if not, simply set it by the WinSCP tool (through F9-Properties like here):

   This is probably relevant for these files:
   twonky/twonkymediaserver
   twonky/twonkymedia

twonky/cgi-plugin/jpeg-scale

8. Edit the twonky/resources/clients.db if you need any changes for your DLNA client(s)

9. Modify startup parameters of twonky in the /usr/local/cng/sohoProcs.xml file
(in order to save its config file to a different location which is writable and to decrease its
priority by Nice command so that it wouldn't eat so much processor time during its indexing
of the video files):

```
Replace

 <Program Disable="1" Name="twonkymedia" Path="/usr/local/twonky/twonkymediaserver">
   <Args>-inifile /mnt/apps/usr/local/twonky/twonkymedia-server.ini </Args>
   <SysOption MaxMem="64M" Restart="-1"/>
</Program>

 by

<Program Disable="1" Name="twonkymedia" Path="/usr/local/twonky/twonkymediaserver">
   <Args>-inifile /boot/twonkyconfig/twonkymedia-server.ini </Args>
   <SysOption MaxMem="64M" Nice="15" Restart="-1"/>
         </Program>
```

10. Comment out entries for thumbnails and mt-daapd
(unnecessary for me and were also consuming too much processor cycles):

```
<!--
  <Program Disable="1" Name="mt-daapd" Path="/usr/local/mt-daapd/bin/mt-daapd">
     <Args>-f -d 9 -m -c /mnt/soho_storage/media/daap.conf</Args>
     <SysOption MaxMem="64M" Restart="-1"/>
          </Program>-->

  <!--
  <Program Disable="1" Name="thumbnails" Path="/usr/local/thumbnails/thumbnails">
      <SysOption MaxMem="96M" Nice="15" Restart="-1"/>
  </Program>
  -->
```

11. Generate apps image from the apps_dir with the mkcramfs command (in the ssh session):

mkcramfs apps_dir apps

12. Copy the created apps file back to iConnect's /boot/images/apps through WinSCP
(and perhaps rename the original apps e.g. to apps~)

13. Create new directory "twonkyconfig" under the boot directory
/boot/twonkyconfig
(here twonky will save its configuration)

14. Reboot iConnect and check the twonky's config page:

http://192.168.1.12:9000/config

and save the configuration.

15. Connect again to the iConnect vie the WinSCP tool, and you will find the

it's a good idea to set the contentbase parameter like below as to have it easier to configure your medias shares (and save the config file afterwards, and restart iConnect afterwards):

```
# for Linux/NAS systems this is the basedirectory used for content sharing
(prepended to all shares)
contentbase=/mnt/soho_storage/samba/shares
```

References:

http://forums.cnet.com/7726-13973_102-5072857.html