

Nokia6600Instructions

Here are some instructions on using **Multisync SyncML plugin** with a **Nokia 6600 phone**.

This information should also be mostly applicable to 7650, 3660 and maybe other Nokia models, too. Comments are welcome. Please use the Wiki or post to the mailing list. Installation

The phone can be synchronized through any TCP/IP connection. Normally this only includes a GPRS and GSM-data connections, but with some extra tweaking it's possible to run TCP/IP over bluetooth. Instructions are available at <http://www.unix-ag.uni-kl.de/~leonard/linux-n6600-howto.html> and <http://www.cs.helsinki.fi/u/mraento/symbian/bt-ap.html>.

First I checked that the TCP/IP connection between the computer and the phone was working. (You can test that with Opera, Putty for series60 (<http://sourceforge.net/projects/s2putty/>) or some other software on the 6600.)

Then I downloaded the Multisync sources from CVS, see <http://multisync.sourceforge.net/compiling.shtml> .

Nokia 6600 and many other mobile phones speak SyncML only in a binary protocol, wbxml. The SyncML plugin states that at least version 0.8.1 is needed for wbxml transport to work. However, *Nokia 6600 generates buggy wbxml* . You have to use this patch <http://www.multisync.org/files/wbxml2-0.9.0.patch> for the 0.9.0 version of libwbxml or use this prepatched version: <http://www.multisync.org/files/wbxml2-0.9.0-patched.tar.gz>.

First I tried to install the wbxml library into a non-system-wide location under my home directory, but after struggling with autoconf et al. for some time, not succeeding in making the library available to the syncml plugin compilation, I ended up creating an RPM of it and installing it as root.

The wbxml header files were installed in /usr/include/wbxml2/, so I had to add that directory to the include path. This is how I eventually ran configure in the syncml_plugin directory:

```
CPATH=/usr/include/wbxml2 ./configure --enable-debug --prefix=/home/naapuri/multisync
```

Notice the "--enable-debug" - very useful for SyncML debugging.

The critical lines in the output are:

```
checking for wbxml_conv_wbxml2xml in -lbwxml2... yes
checking for correct libwbxml2 version... yes
```

Now I had the needed software. Configuration

Here we assume that 10.66.66.1 is the computer IP and 10.66.66.66 is the phone IP. Phone settings

```
Sync profile name: (anything)
Access point: Bt (or other, if using GPRS/GSM-data)
Host address: 10.66.66.1 (substitute with your computer's IP)
Port: 5079
User name: (anything)
Password: (anything)
```

```
Contacts: yes
Remote database: addressbook
Synchronisation type: normal
```

```
Calendar: yes
Remote database: calendar
Synchronisation type: normal
```

Multisync SyncML plugin settings SyncML Role

```
SyncML Role: SyncML Server
Protocol: HTTP
Path: (empty)
```

Options

```
 Interpret UTC as local time (Symbian devices)
 Disable string tables
```

Now you should be able to launch the synchronization from the phone (Menu -> Connectivity -> Sync -> Your profile name? -> Synchronize) Debugging

To see the TCP packets from/to the phone:

```
tcpdump -ni any host 10.66.66.66
ngrep -d any . host 10.66.66.66
```

Running Multisync in debug mode:

Set the environment variable MULTISYNC_DEBUG, e.g.:

```
[naapuri@jopo]$ MULTISYNC_DEBUG=1 multisync
```

Known Problems

- * Someone reported: If I create an appointment with an reminder in evolution, it does not appear on the phone at all.
- * There seems to be no way of syncing the tasks (todo). (This is a limitation of the Nokia 6600 on Windows as well)
- * I haven't found a way to automate the sync process to be run eg. each night.

Nokia 7650 success

(Using Bluetooth with [GnuBox](#)) Phone settings

The Host address must exist before the PPP connection.

```
Sync profile name: (anything)
Access point: Bt
Host address: Addressof(eth0)
Port: 5079
```

Else you got Errors like those

1. Nokia7650: Progr closed [SmlSync??](#) USER 11
2. Multisync: SyncML: Client connected from 10.4.2.6.

```
SyncML: We got some request data.
SyncML: Disconnection, length 0.
SyncML: SyncML disconnected.
SyncML: Got disconnection, reasaon 2.
```

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Warning: dba_replace(): You cannot perform a modification to a database without proper access in [/home/groups/m/mu/multisync/htdocs/wiki/lib/dbalib.php](#) on line 237