Switching from Ad Hoc to access point mode and visa−versa

Source:
http://www.tech−archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded.vc/2005−01/0241.html

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From: Laery (*thelaery_at_hotpop.com*)
Date: 01/19/05

Date: 19 Jan 2005 00:29:16 −0800

Hi,

I've downloaded the evaluation version.
Found in ethman en netui the sources needed to find the device name
and switch the mode to and from accesspoint
//switching the mode

```
                if(iSelection == 2)
                {
                   // Computer−to−computer
                   s_mode = Ndis802_11IBSS;
                }
                else if(iSelection == 1)
                {
                   // infrastructure (access point) network
                   s_mode = Ndis802_11Infrastructure;
                }
                else if(iSelection == 0)\
                {
                   // Any network (access point preferred)
                   s_mode = Ndis802_11AutoUnknown;
                }

                s_pWLanInfo−>dwCtlFlags &= ~INTFCTL_CM_MASK;
                s_pWLanInfo−>dwCtlFlags |= (((DWORD) s_mode) &
INTFCTL_CM_MASK);

                FillPreferredLV(s_pWLanInfo);
//get the devicename (I hope this will not change)
 while (ReadMsgQueue(
                hMsgQueue,
                &sDeviceNotification,
                sizeof(NDISUIO_DEVICE_NOTIFICATION),
                &dwBytesReturned,
                1,
                &dwFlags))
```

```
        {

 PTCHAR ptcDeviceName = NULL;

            // The device name should be in uppercase to query
NdisUIO
            ptcDeviceName =
_wcsdup(sDeviceNotification.ptcDeviceName);
            if (!ptcDeviceName)
            {
               DEBUGMSG(ZONE_ERROR, (TEXT("ETHMAN: Could not
allocate memory for string \"%s\"\r\n"),
                  sDeviceNotification.ptcDeviceName));
               continue;
            }

            _wcsupr(ptcDeviceName);
```

I only hope it will work.

Regards
Laery
−−−−−−−−−−−−−−−−
Then you probably don't have enough information to make a serious
attempt at
this. You could download the evaluation version of PB and go from
there...

Paul T.

"Laery" <thelaery@hotpop.com> wrote in message
news:c615ddf1.0501172325.29897a9d@posting.google.com...
> Hi Paul,
>
> Thanks for the response, but I don't have platform builder only evc.
>
> Regards
> Laery
> −−−−−−−−−−−−−−−−−−−−−−
> Yes, you can do it via the Windows Zero Config API. When you call
> WZCSetInterface(), you'd set the infrastructure mode field of the
> structure
> one way or the other.
>
> Paul T.
>
> "Laery" <thelaery@hotpop.com> wrote in message
> news:c615ddf1.0501170610.68fe154e@posting.google.com...
>> Hi,
>>
>> I'm currently working on an application where a ppc2003 device

prints
>> to a mobile network printer using point−to−point wifi connection.
>> (both fixed IP).
>>
>> For communication with the PC a FTP server is started on the
handheld
>> which is connected to a wifi−router which is connected to the pc
using
>> a cable.
>>
>> The problem:
>> The printer is point−to−point (you cannot take the accesspoint with
>> you on the street).
>> The communication with the PC is using an access−point. (There can
be
>> several devices, more than 50, at an office location)
>>
>> Currently the switch in connection mode has to be done manually
using
>> the supplies driver GUI. Is there away to do it using an API from
>> windows?
>>
>> Each handheld and printer has a unique IP but the same SSID and
WEP.
>> (same as the accesspoint)
>>
>> Or can something be done on the PC so that it connects to the
>> terminals one by one.
>>
>> Regards
>> Laery