

Re: Detect PPPoE Broadband Connection – restated

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.development.device.drivers/2004-03/0302.html>

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Date: 03/04/04

Date: Thu, 04 Mar 2004 21:23:03 +0100

[Re-posted from microsoft.public.win32.programmer.networks due to FUP2 by OP]

Such an adapter (PPPoE) is an NDIS Miniport driver that implements a virtual network device (as opposed to a physical device). Such devices have the NCF_VIRTUAL bit set in their "Characteristics", see e.g. `INetCfgComponent::GetCharacteristics()`.

Note, however, that there are various virtual network adapters, which are not necessarily doing PPPoE.

See also the `BindView` sample in the DDK (`snetcfg` sample in earlier DDKs) for how to use the `INetCfg` interface.

Stephan

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On Wed, 03 Mar 2004 08:56:51 GMT, "Mark Holiday"
<mholiday@nycap.NO-SPAM.rr.com> wrote:
>Here is the problem restated for these newsgroups:
>
>I need to detect that a user has an active PPPoE connection
>for Broadband, such as would be the case for a DSL connection.
>
>For example, under Network Connection applet:
>
>Type: "LAN or High-Speed Internet"
>Device Name: <Name of PHYSICAL adapter in system>
>
>Type: "Broadband"
>Device Name: "WAN Minport (PPPOE)"
>
>How can I reliably *programmatically* - e.g. Win32 API - detect
>that the "broadband device" is active? It does NOT seem to appear
>in the system the same as a "physical" network adapter, such as
>a good ol' wired NIC.
>
>(Thread started in NG microsoft.public.win32.programmer.networks)
>
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>Thanks,
>Mark