

**NAME**

`pppoe-discovery` – perform PPPoE discovery

**SYNOPSIS**

`pppoe-discovery` [ *options* ]  
`pppoe-discovery` { `-V` | `-h` }

**DESCRIPTION**

`pppoe-discovery` performs the same discovery process as `pppoe`, but does not initiate a session. It sends a PADI packet and then prints the names of access concentrators in each PADO packet it receives.

**OPTIONS**

`-I` *interface*

The `-I` option specifies the Ethernet interface to use. Under Linux, it is typically `eth0` or `eth1`. The interface should be “up” before you start `pppoe-discovery`, but should *not* be configured to have an IP address. The default interface is `eth0`.

`-D` *file\_name*

The `-D` option causes every packet to be dumped to the specified *file\_name*. This is intended for debugging only.

`-U`

Causes `pppoe-discovery` to use the Host-Uniq tag in its discovery packets. This lets you run multiple instances of `pppoe-discovery` and/or `pppoe` without having their discovery packets interfere with one another. You must supply this option to *all* instances that you intend to run simultaneously.

`-S` *service\_name*

Specifies the desired service name. `pppoe-discovery` will only accept access concentrators which can provide the specified service. In most cases, you should *not* specify this option. Use it only if you know that there are multiple access concentrators or know that you need a specific service name.

`-C` *ac\_name*

Specifies the desired access concentrator name. `pppoe-discovery` will only accept the specified access concentrator. In most cases, you should *not* specify this option. Use it only if you know that there are multiple access concentrators. If both the `-S` and `-C` options are specified, they must *both* match.

`-A`

This option is accepted for compatibility with `pppoe`, but has no effect.

`-V` | `-h`

Either of these options causes `pppoe-discovery` to print its version number and usage information, then exit.

**AUTHORS**

`pppoe-discovery` was written by Marco d'Itri <md@linux.it>, based on `pppoe` by David F. Skoll <dfs@roaringpenguin.com>.

**SEE ALSO**

`pppoe`(8), `pppoe-sniff`(8)