

bintec elmeg IPsec Secure Client (Win32/64)

Major Release: 3.10
Date: April 2016

Prerequisites

Operating System Support

The following Microsoft Operating Systems are supported with this release:

- Windows 10 (32 and 64 bit)
- Windows 8.x (32 and 64 bit)
- Windows 7 (32 and 64 bit)
- Windows Vista (32 and 64 bit)

New License Key from Version 3.10

Software Updates and License Keys

From the current software version, every new major release will require a specific license key for the same version.

If the software is updated without performing a license update, the client will receive a license for the remainder of the 30-day trial period.

New Installation and License Keys

For a new installation, the client software is installed under the Program Files directory (previously Program Files (x86)) and licensed as a trial version (for a maximum of 30 days) until a valid license is entered.

Windows 10 Update 1511 (Threshold 2/Build 10586) causes problems with installed Bintec elmeg IPsec Secure Client

Microsoft's november update for Windows 10 is far more than merely a collection of patches and/or enhancements. In general it is essentially a new version of Windows. Some areas of the registry database are rewritten during the update and while doing so a few important entries of the bintec elmeg IPsec Secure Client are discarded.

To resolve this issue the lost registry keys and related values have to be written again. Therefore one has to perform an uninstall of the bintec elmeg IPsec Secure Client followed by a mandatory reboot prompted for within the uninstall procedure. After which one just has to reinstall the version of the client used before. (Please do **not** confirm the "Delete all files" option of the uninstall process).

The full configuration will be preserved; only the license information has to be re-entered after the installation. After having completed this procedure the bintec elmeg IPsec Secure Client can be used again without any limitations.

1. New Features and Enhancements

New Hotspot Logon

Additional configuration is no longer required with the new Hotspot Logon feature. The client detects available hotspots and provides the user with an option to logon. When Hotspot Logon is started by the user, the NCP Wi-Fi Manager is displayed and the user can select the Wi-Fi network and log on to it. As soon as the Wi-Fi connection is established, the client checks access to the internet periodically. If internet access is not available, the client starts a restricted browser without the address bar. If the user has logged onto the hotspot operator's entry portal successfully, the VPN tunnel will be established automatically as soon as internet access is available.

Improved Compatibility with Gateways Provided by Other Manufacturers

Secure Client supports IKEv2 redirect (RFC 5685). This means that load balancing functions provided by other manufacturers can be used.

Monitoring the Filter Driver via the Secure Client

If the client detects a problem with the filter driver, it will attempt to resolve the error and prompt the user to restart the device.

Using Half Routes and Default Gateways in Windows 10

The default client setting for the virtual network adapter is "half routes". This can be changed to "default gateways" by editing the registry. To do this, modify the following registry key:

Path:

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\ncprwsnt]
```

Key:

```
EnableDefGw = 1
```

Type:

```
REG_DWORD
```

If the registry key EnableDefGw does not exist or is set to EnableDefGw=0, the client will use half routes.

2. Improvements / Problems Resolved

Stability Improvements

The stability of the NCPROWSNT service and update clients has been improved.

Enhancement of Log Messages

The log details for the PKI environment and ncpsec service have been enhanced.

Functionality of Wi-Fi Module

In the event of a large number of Wi-Fi profiles (greater than 56), the Wi-Fi adapter did not function correctly and the adapter was no longer displayed under Wi-Fi Management. This issue has now been resolved.

Windows Pre-Logon

Windows Pre-Logon (Credential Provider) has been adapted for Windows 10.

3. Known Issues

None