

# Release Notes

## bintec Secure IPSec Client

### Version 5.00

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## Prerequisites

Operating System Support:

The following Microsoft Operating Systems are supported with this release:

- Windows 10 32/64 Bit (up to and including versio1903)
- Windows 8.x, 32/64 Bit
- Windows 7, 32/64 Bit

## 1 New Features and Enhancements

### 1.1 Quality of Service

Within a VPN tunnel, data **originating from the client** can be prioritized. In the QoS configuration, the total bandwidth of the data channel in sending direction must be entered. The configured total bandwidth is static. For use in mobile communications environment, QoS functionality is therefore of limited usefulness in the current version.

Data to be prioritized can be specified in the form of a .exe file (case sensitive) or a directory (without subdirectories), depending on their origin. Data sources can be grouped, and a minimum bandwidth can be assigned to each group. Outgoing data which are not assigned to a group is limited to the remaining bandwidth. If a configured group is not in use, the remaining bandwidth increases by the reserved throughput of the inactive group. The current throughput rates of the configured groups in outgoing direction can be checked under **Connection → Connection Info → Quality of Service**.

### 1.2 Temporary Home Zone

The new option **Temporarily enable Home Zone** has been added. So far, the NCP Secure Client has recognized a home zone at a later point once it has been configured. A temporary home zone is forgotten after a restart, a stand-by or a change of the connection medium and must be reenabled if necessary.

### 1.3 IPv4 / IPv6 Dual Stack Support

Within a VPN tunnel, both IPv4 and IPv6 protocols are supported. Split tunneling can be configured separately for IPv4 and IPv6.

### 1.4 Expert Mode

An expert configuration has been added to the client configuration interface. In addition to the previous configuration options, this configuration mode offers additional, rarely used or experimental options.

### 1.5 Advanced Connection Management

Connection management of the NCP Secure Client has been extended with two connection options:

**Disable mobile network when LAN cable is connected and  
Disable mobile network when Wi-Fi connection is established.**

## 1.6 Support Wizard Extension

As of this version, the support wizard collects all available log files for distribution to the support team. The `setup.msilog`, `ncpdrvinst.log`, `ncpdrvupd.log` and `rwsrsu.log` files have been added to the support wizard.

## 2 Improvements / Problems Solved

### 2.1 New Directory Structure

For reasons of reliability and compatibility with Windows, the directory structure of the NCP Secure Client has changed. The following directories previously included in the installation directory under `Program Files\bintec-elmeg\bintec-elmeg Secure Client\` were moved to `ProgramData\bintec-elmeg\bintec-elmeg Secure Client\`:

`arls`, `cacerts`, `certs`, `config`, `crls`, `CustomBrandingOption`, `data`, `hotspot`, `log`, `statistics`.

These are configuration files, certificates or log files. Binaries or resources remain in the `Program Files\...` directory.

During an update process, the new directory structure is created automatically, and the client configuration is transferred. So, configuration paths within the certificate configuration that contain the variable `%InstallDir%` are rewritten to paths with `%CertDir%`, where `%CertDir%` is the path `C:\ProgramData\bintec-elmeg\bintec-elmeg Secure Client\certs`.

Note: The configuration entry `%CertDir%\client1.p12` is equivalent to `client1.p12`.

For further information on the conversion to the new directory structure, please refer to the file `Readme.txt`.

### 2.2 Advanced Status Window "Connection Info"

The **Connection Info** status window displays the algorithms negotiated for the current VPN connection during IKE negotiation as well as the IPSec protocol.

### 2.3 Removing no longer relevant Configuration Parameters

The following configuration parameters have been removed because they are no longer relevant:

Connection medium	ISDN
ISDN	Dynamic link connection
ISDN	Threshold for link connection
IPSec address assignment	1st and 2nd WINS server
Link Firewall	only configurable in expert mode

## **2.4 Gemalto IDPrime 830 SmartCard Support**

PIN handling has been optimized in conjunction with a Gemalto IDPrime 830 SmartCard configured via Microsoft Smart Card Key Storage Provider (CSP).

## **2.5 Optimizing the NCP Filter Driver**

The NCP filter driver has been optimized for data throughput.

## **2.6 Optimizing the Registration via time-based OTP**

## **2.7 Troubleshooting within GUI Scaling**

Using GUI scaling could lead to a faulty display of configuration dialogs.

This problem has been resolved.

# **3 Known Issues**

## **3.1 Temporary Home Zone**

If two network adapters are available, the Home Zone will only be forgotten on one adapter if the option is set.