

Linux VPN Client

Release Notes 2.1

1 Preamble

The following release notes provide a detailed description of the features, improvements, fixes, known issues and limitations in the various releases of the Linux VPN Client.



2 TheGreenBow Linux VPN Client 2.1.2 build 003

Features, improvements, and fixes since release 2.0.1 build 007:

2.1 Features

- Systray icon now works on CentOS and Red Hat 8 when installed with XFCE or KDE (but not GNOME). See <https://www.linuxtricks.fr/wiki/centos-installer-centos-8-avec-xfce> for instructions on how to install CentOS 8 with XFCE.
- The validity of the firewall's certificates is checked before opening a tunnel
- Support for PKCS#11 smart cards and tokens
- Support for Diffie-Hellman Groups 21 and 28 (elliptic curves)
- The Linux VPN Client is now compatible with TheGreenBow Activation Server (TAS)

2.2 Improvements

- Bandwidth performance improvement
- New JSON license format
- Support for multiple DNS servers
- User is now informed of license expiry date
- A generic package for Ubuntu now works for both 20.04 and 18.04 versions
- Upgrade to openssl 1.1.1.k
- The Linux VPN Client now offers a 30-day free trial period after installation
- Network interface state changes are detected and correctly managed
- Manual activation is now supported

2.3 Fixes

- ESN mode now works correctly
- Fixed various freezes
- Fixed activation issue when adding a new license after old one expired
- Supports certificates with elliptic curves in Android certificate store
- SHA-1 has algorithm has been removed entirely from the software

3 Previous versions

3.1 TheGreenBow Linux VPN Client 2.0.1 build 007

Features and fixes since release 2.0.1 build 006:

3.1.1 Features

- Now also available for Ubuntu 18.04 64-bit with GCC version 9

3.1.2 Fixes

- server DNS and DNS suffix parameters returned by the gateway (in Configuration Payload mode) are now taken into account

3.2 TheGreenBow Linux VPN Client 2.0.1 build 006

Features and fixes since release 2.0.1 build 005:

3.2.1 Features

- Now also available for CentOS/Red Hat 8 64-bit

3.2.2 Fixes

- All Windows, Mac, and Linux style new line characters (CR/LF) are now supported in vpnsetup.ini for license activation

3.3 TheGreenBow Linux VPN Client 2.0.1 build 005

Features of the first Linux 2.0 release:

3.3.1 Features

- IPsec network driver and IKE module developed by TheGreenBow
- IPsec driver integrated in kernel mode
- Support for the IKEv2 protocol
- Full implementation of the IPsec IKE v2 protocol
- Encryption: AES CBC, AES CTR, AES GCM 128/192/256
- Hash: SHA2 256/384/512

- Diffie-Hellman Group : 14-20
- Support for X.509 certificates: PEM, PFX, PKCS #12
- Authentication : pre-shares key, certificates, EAP, double authentication (certificate + EAP)
- Certificate authentication:
 - Method 1: RSA Digital Signature [RFC7296]
 - Method 9: ECDSA with SHA-256 [RFC4754]
 - Method 14: Digital Signature Authentication RSA [RFC74]
- IP Fragmentation
- All traffic within the tunnel
- Dead Peer Detection (DPD)
- Redundant gateway
- Mode CP
- Automatic negotiation of algorithms with the gateway
- IKE Fragmentation
- Automatic NAT-Traversal
- Remote ID, Local ID
- Import of VPN security policies from the Windows and macOS TheGreenBow VPN Clients
- Silent install
- Command-line and user interface (systray)
- License activation
- Support of syslog protocol and format
- Available for Ubuntu 20.04 64 bits
- Ubuntu only: Integration in the Ubuntu system menu (systray)

Protect your connections
in any situation