TheGreenBow Linux Certified VPN Client

Release Note 1.5.0

TheGreenBow Linux Certified VPN Client Release Note

This Release Note details the features, improvements and fixes of release 1.5.0

TheGreenBow Linux Certified VPN Client 1.5.0

- Update of OpenSSL 1.1.1f library
- Support of Elliptic Curve Digital Signature Algorithm (ECDSA) for stronger Certificate authentication
- Display the release number of the software when invoking the ipsec statusall command.
- Display an error message when encountering an unauthorized Diffie-Hellman group.

TheGreenBow Linux Certified VPN Client 1.4.2

- Disabling algorithms that are not compliant with RGS 2.0. (Référentiel Général de Sécurité)
- Automatic opening of a tunnel when device starts on ELinOS.
- Modules loading as the device starts.
- Display of the release number of the software.
- Checking the values contained in the ipsec.conf file.
- Wrong IKEv1 VPN configuration detection.

TheGreenBow Linux Certified VPN Client 1.3.0

- [ELinOS] Identification of the installed release.
- Permanent check of the integrity of each component of the solution.
- VPN Client is able to run as a VPN server (listener mode, management of the incoming connections)
- Configuration of the minimum ESP algorithms
- Firewall rules management
- Timers and time-out management
- Automatic opening of a tunnel on traffic detection
- Ability to de-activate a VPN tunnel
- Management of the syslogs events
- TheGreenBow VPN Linux run as a VPN Client
- The software is able to manage several VPN tunnels simultaneously.
- P12 Certificates management
- DER or PEM formatted CRLs management
- Ability to setup the software without any interface
- VPN configuration enabled through simple file copy
- The software automatically starts as the OS is starting.
- VPN and software Configuration is restricted to the administrator
- State of the art algorithms implemented (security protocols, cryptographic algorithms, alea generators)
- IKEv2 authentication and certificate
- X509 Certificates management

- Certificates Revocation Lists management
- OpenSSL library is embedded.