

Overview of VPN Technologies

Here is a reference sheet for the VPN technologies that shows how technologies interact with each other.

<i>Technology</i>	<i>Type</i>	<i>What is Sent</i>	<i>Clients</i>	<i>Can be used with</i>	<i>Ciphers Used</i>
PPP	tunnel	Point-to-Point protocol frames (can carry TCP/IP, IPX, NetBEUI, etc.)	Linux, Windows, Mac	IPSec, SSL, SSH, CIPE	n/a
IP-in-IP	tunnel	IPENCAP (protocol 4) frames, basically raw IP in IP	Linux, Mac	IPSec	n/a
PPTP	tunnel	peer-to-peer	Linux, Windows, Mac	IPSec	none or MPPE
L2TP	tunnel	any protocol	Win2K, WinXP, Linux	IPSec	n/a
SSL (stunnel)	encryption with single-port service	TCP/IP	Windows, Linux	PPP, L2TP	Primarily RSA
IPSec	tunnel and encryption	TCP/IP	Windows (via PGPnet and others), Linux, Win2K, XP, Mac	PPP, IP-in-IP, PPTP, L2TP	ESP, AH, IKE protocols are used. Encryption algorithms vary (mainly 3DES)
CIPE	tunnel and encryption	TCP/IP	Windows (not XP), Linux	PPP	Blowfish, IDEA
SSH	application level encryption	TCP/IP	Windows, Linux	PPP (on UNIX/Linux only)	3DES, Blowfish, etc.