

ABSTRACT

Network VPN is a technology that provides private communication (tunnel) through the Internet network (backbone). The company would need accurate and safe information when communicating between sites to sites (inter-branch) that passes through the Internet, one of the solutions to the security of data when exchanging data over the Internet by using the concept of site-to-site IPsec VPN Tunnel which will form a private network (tunnel) on the Internet telecommunication line. By using the site to site VPN technology not only will make the data more secure than encrypted data but also authenticates the origin address to a destination address so that the integrity of data more secure and reliable so as to achieve the CIA (Confidential, Integrity, Availability).

Keyword : VPN, Tunnel, IPsec, Private, Confidential, Integrity, Availability)



ABSTRAK

Jaringan VPN merupakan teknologi yang menyediakan komunikasi private (tunnel) melalui jaringan internet (backbone). Perusahaan tentu membutuhkan informasi yang akurat dan aman pada saat berkomunikasi antar site to site (antar cabang) yang melewati jalur internet, salah satu solusi untuk keamanan data ketika terjadi pertukaran data melalui jaringan internet dengan menggunakan konsep Tunnel site - to – site IPsec VPN yang akan membentuk jaringan private (tunnel) pada jalur telekomunikasi internet. Dengan menggunakan teknologi site to site VPN akan membuat data menjadi lebih aman selain data dienkripsi tapi juga di autentikasi antara alamat asal ke alamat tujuan sehingga integrity data lebih terjamin dan terpercaya sehingga mencapai CIA (Confidential, Integrity, Availability).

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