

VPN stands for Virtual Private Network. VPN creates a safe and encrypted connection over a less secure network. VPN creates an encrypted connection called tunnel to transfer data and all Internet traffic is done through this secure tunnel.

Types of VPN:

### **1. Remote Access VPN**

In this, a user can connect to a private network and access all its services and resources remotely. The connection is done through the internet and it is secure and private.

### **2. Site to Site VPN**

This creates a secure connection between your data center or branch office to another office at different location. In Site to site VPN one router acts as a VPN client and another router as a VPN server

### **AWS VPN:**

AWS VPN establishes secure connections between on premises networks, remote offices and the AWS global network. AWS VPN is comprised of two services: AWS Site-to-Site VPN and AWS Client VPN.

AWS Site to Site VPN is a service that creates a secure channel between branch office and AWS using IPsec tunnel

AWS Client VPN is used by remote users to securely access resources within both AWS and your premises network remotely. It uses OpenVPN protocol

Features and Advantages of VPN:

- Cost effective
- Security protection
- Prevents bandwidth throttling
- Supports router