**L2TPIPSec VPN setup on AWS cloud:**

Step 1: Launch an Ubuntu Server, the version should be 16.04.

* Instance type : m5.xlarge
* VPC: Dev VPC ([vpc-19b5cd70](https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#vpcs:filter=vpc-19b5cd70))
* Subnet : Public Subnet ([subnet-ef9dbf86](https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#subnets:filter=subnet-ef9dbf86))
* Configure Security Group (Open ports : 500,4500,22)
* Key Pair : dev-test.keypair
* Tag : L2TPIPsec

Step 2: Create a new EIP (Elastic IP : 15.206.24.66) and associate with the instance L2TPIPsec . This is a static Public IP used for VPN connections.

Step 3: Login to the instance with the above keypair with ssh port 22.

Step 4: Install and configure xl2tpd and openswan in the instance using the script (Location:/root/vpnsetup.sh)

Once configured, Please use the below details to connect using L2TPIPsec client.

* Server IP: 15.206.24.66  
  IPsec PSK: n4no6rZMghZkXPfqPAgu
* Username: vpnuser
* Password: 5oAZJnZb82Pwxogn

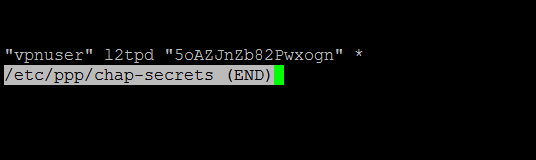
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**For any user addition :**

**L2TP User Management**

Edit file “/etc/ppp/chap-secrets” to add a user. The format is:

|  |  |
| --- | --- |
| 1 | "VPN Username" l2tpd "VPN Password" \* |



This password is plaintext.

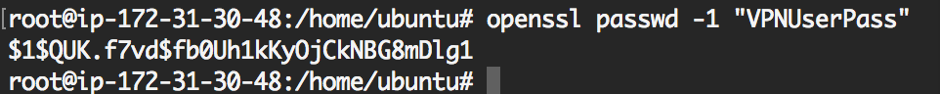
Then, restart L2TP Serveice

|  |  |
| --- | --- |
| 1 | service xl2tpd restart |

IPSec User management

Due to IPSec’s password is encode, we need get the password first.

|  |  |
| --- | --- |
| 1 | openssl passwd -1 "YourPassword" |



Then, Edit file /etc/ipsec.d/passwd to add a new user.

The format is:

|  |  |
| --- | --- |
| 1 | username:password:xauth-psk |

Finally, restart the service.

|  |  |
| --- | --- |
| 1 | service xl2tpd restart |