

Remote Access Setup with OpenVPN

Network Details:

- Router Model: TP-Link Archer AX11000
- Public IP Address: 101.100.140.144
- Remote Management Setup: Phone (IP: 192.168.0.68)

OpenVPN Configuration:

- Service Type: UDP (Recommended)
- Service Port: 1194
- VPN Subnet: 10.8.0.0
- Netmask: 255.255.255.0

OpenVPN Server Setup:

1. Enable OpenVPN:
 - Log in to the router's web interface.
 - Navigate to the VPN settings section.
 - Check the box to "Enable" OpenVPN.
2. Choose Service Type:
 - Select "UDP" for faster performance.
 - UDP (Ticked)
 - TCP
3. Set Service Port:
 - Use the default port for OpenVPN: 1194.
4. Specify VPN Subnet:
 - Set the VPN subnet to the default:
 - VPN Subnet: 10.8.0.0
 - Netmask: 255.255.255.0
5. Select Client Access:
 - Choose the appropriate option based on your needs:
 - Home Network
 - Internet and Home Network
6. Generate Certificate and Export Configuration:
 - Click on the option to generate certificates for the VPN.
 - Follow the on-screen instructions to create the necessary certificates.
 - Export the configuration file for VPN clients.

Remote Management Setup:

- Device Allowed for Remote Management:

- Phone (IP: 192.168.0.68)
- HTTPS Port: 443
- HTTP Port: 80
- Web Address for Management:
- https://101.100.140.144:443

VPN Client Configuration:

VPN Client Software:

- Use OpenVPN client software on your devices.

Server IP/Hostname:

- https://101.100.140.144:1194

Username and Password:

- Use the VPN username and password you created.

Security Recommendations:

- Strong VPN Username and Password:
 - Use a strong and unique username/password combination.
- Secure VPN Subnet:
 - Keep the default VPN subnet (10.8.0.0) for simplicity and security.
- Regularly Monitor Logs:
 - Check VPN logs for any unusual activity or unauthorized connection attempts.
- Test Your VPN:
 - After configuration, test the VPN connection from an external network to ensure it's working correctly.

VPN Client Configuration Guides:

Windows VPN Client Setup:

1. Download and install the OpenVPN client software on Windows.
2. Import the VPN configuration file.
3. Enter VPN username and password.
4. Connect to the VPN server.

Android VPN Client Setup:

1. Download and install the OpenVPN Connect app from the Play Store.
2. Import the VPN configuration file.
3. Enter VPN username and password.
4. Connect to the VPN server.

Conclusion:

The Remote Access Setup with OpenVPN on the TP-Link Archer AX11000 router allows secure and encrypted access to your home network from anywhere. By following these steps and

security recommendations, you establish a reliable VPN connection for remote management and access to your devices and resources.

Network Diagram for Remote Access Setup with OpenVPN

