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Setting Up an ASUS Router Running Merlin Firmware



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The Merlin firmware can be used with OpenVPN to connect to our service. Here are our instructions for setting this up:

1. Navigate to your router's administration page in your internet browser, and login with the administrative username/password you set when you installed the Merlin firmware.
2. In the Menu bar on the left-hand side, select "VPN" in the "Advanced settings" group.
3. Select the "OpenVPN Client" Tab
4. In the "Basic Settings" section, set "Start with WAN" to "Yes"
5. Set "Interface Type" to "TUN"
6. Set "Protocol" to "UDP"
7. Set the Port to 1194
8. For the Server Address, enter the address for a server you'd like to connect to (e.g. `aus.privateinternetaccess.com`), as listed on our Network page [here](#).
9. Set "Authorization Mode" to "TLS"
10. Click "Content modification of Keys & Certificates"
11. Copy and paste the contents of ca.crt found in our OpenVPN Config Files, into the Certificate Authority. The ca.crt file can be extracted from the following file archive: <https://www.privateinternetaccess.com/openvpn/openvpn.zip>
12. Click Save
13. Set "Username/Password Authentication" to "YES"
14. Enter Your Username/Password in the boxes that appear below
15. Set "Username Password Auth Only" to "No"
16. Set "Extra HMAC authorization" to "Disabled"
17. Set "Create NAT on tunnel" to "Yes"
18. Below the basic settings in the "Advanced settings" set "Poll Interval" to "0"
19. Set "Accept DNS Configuration" to "Strict"
20. Set "Encryption cipher" to "Default"
21. Set "Compression" to "Adaptive"
22. Set "TLS Renegotiation Time" to "0"
23. Set "Connection retry" to "30"
24. Set "Verify server certificate" "No"
25. Set "Redirect Internet traffic" "No"

26. In the Custom Configuration box, enter the following text:

```
persist-key
persist-tun
tls-client
verb 1
```

- 27. Press apply.
- 28. At the top of the page in the “Client Control” section set “Service State” to “On”
- 29. To confirm the VPN service is running, select the “VPN Status” tab from the top menu.

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