

VPN REPORT: WINDSCRIBE FREE VPN

Objective:

To explore how VPNs safeguard online privacy and communication using encryption and IP masking, through hands-on experience with Windscribe Free VPN.

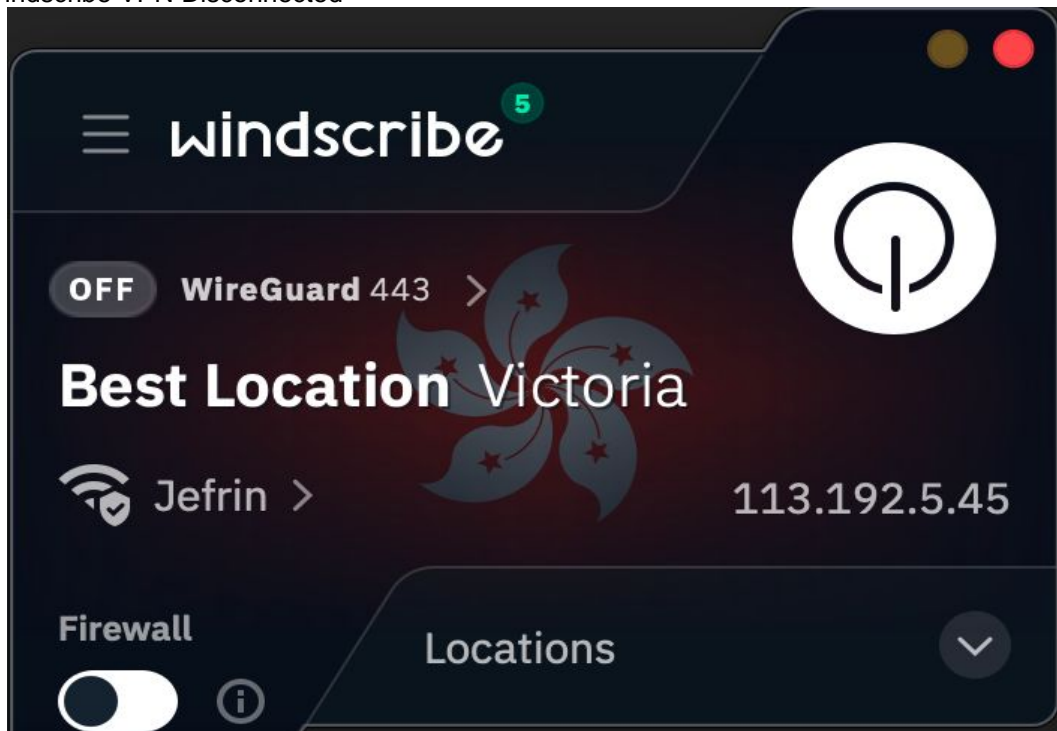
Tool Used: Windscribe Free VPN

Steps Performed:

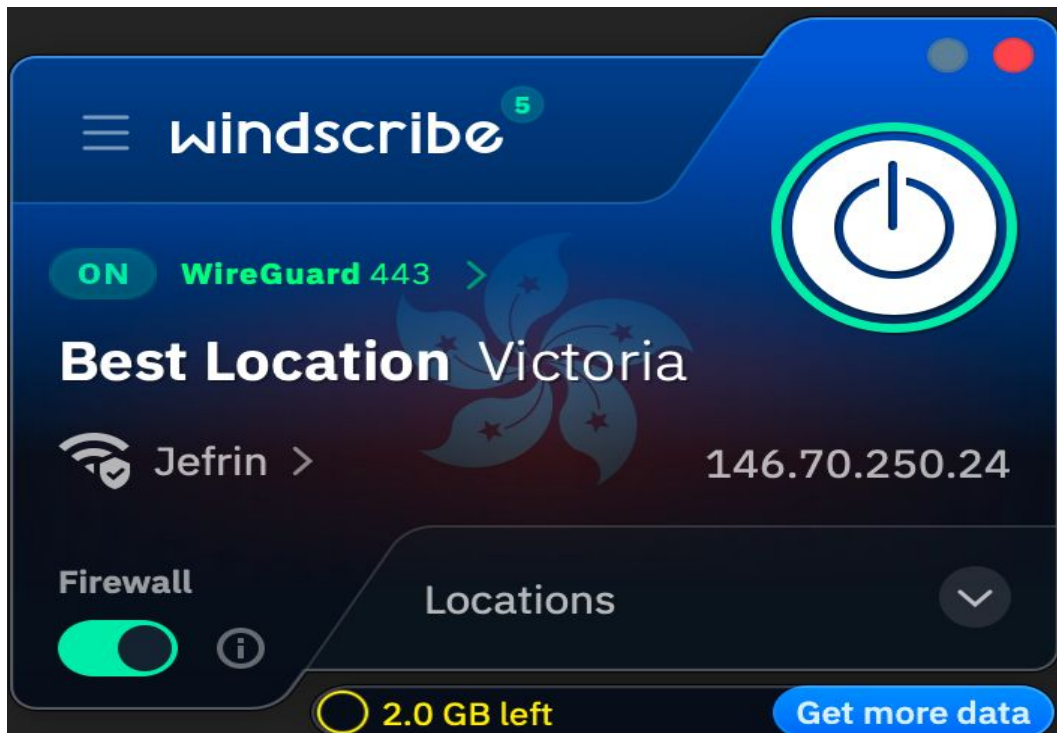
1. Created a free Windscribe account from the official website.
2. Installed the Windscribe desktop client and logged in.
3. Connected to the 'Best Location' server (Victoria).
4. Verified IP change using whatismyipaddress.com; the location changed to Hong Kong.
5. Browsed websites securely while connected to the VPN.
6. Disconnected and confirmed the IP address returned to the original.

Screenshots:

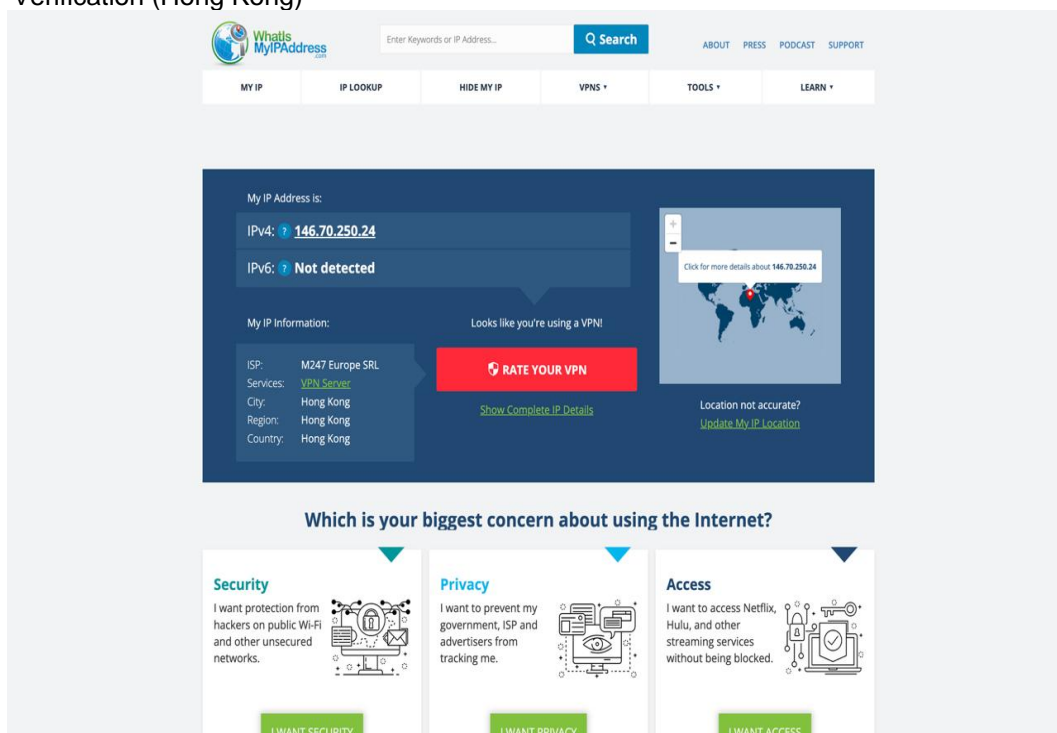
1. Windscribe VPN Disconnected



2. Windscribe VPN Connected



3. IP Verification (Hong Kong)



Encryption and Privacy Features:

- AES-256 encryption for data security.
- OpenVPN and WireGuard protocols for stable and secure tunnels.
- No-logs policy to protect user activity.
- Firewall (kill switch) feature prevents data leaks if VPN disconnects.

Benefits of Using VPNs:

- Hides IP address and protects online identity.
- Encrypts traffic, even on public Wi-Fi.
- Prevents ISP tracking.
- Allows access to region-restricted content.

Limitations:

- Slightly slower browsing speed.
- Free plan offers limited data (10 GB/month) and fewer server locations.
- Some streaming platforms block VPN IPs.

Outcome:

Successfully installed and tested Windscribe VPN, verified IP masking, and gained practical knowledge about how VPNs ensure online privacy, encryption, and secure communication.

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