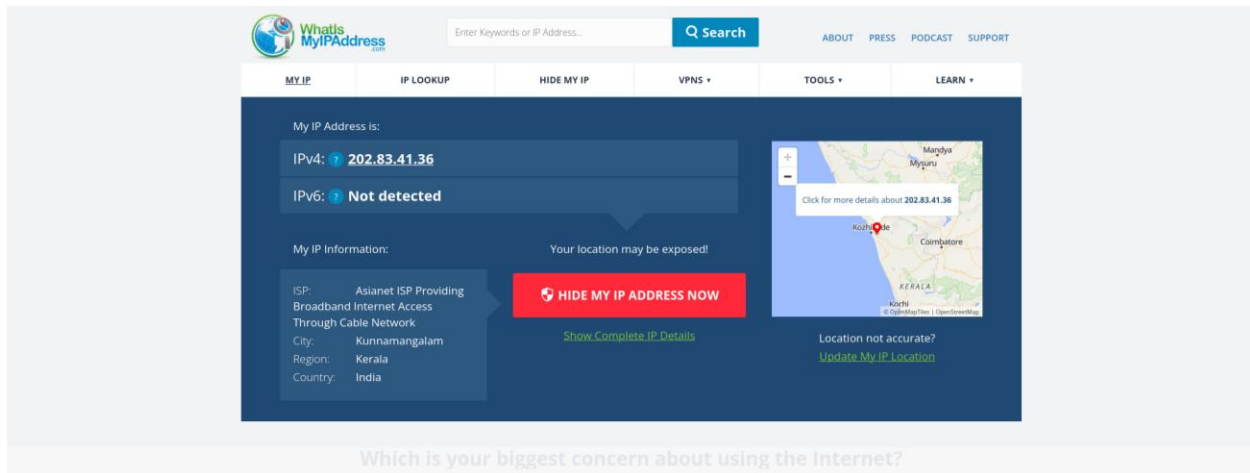


## IP Address before connecting VPN



The screenshot shows the WhatIsMyIPAddress.com website. The main content area displays the user's IP address as 202.83.41.36 (IPv4) and "Not detected" (IPv6). The location information shows the ISP as Asanet ISP, City as Kunnamangalam, Region as Kerala, and Country as India. A red button labeled "HIDE MY IP ADDRESS NOW" is prominent. A map on the right shows the location in Kerala, India, with a warning that the location may be exposed. The website header includes a search bar and navigation links for ABOUT, PRESS, PODCAST, and SUPPORT. The footer asks, "Which is your biggest concern about using the Internet?"

My IP Address is:

IPv4: 202.83.41.36

IPv6: Not detected

My IP Information:

ISP: Asanet ISP Providing Broadband Internet Access Through Cable Network

City: Kunnamangalam

Region: Kerala

Country: India

Your location may be exposed!

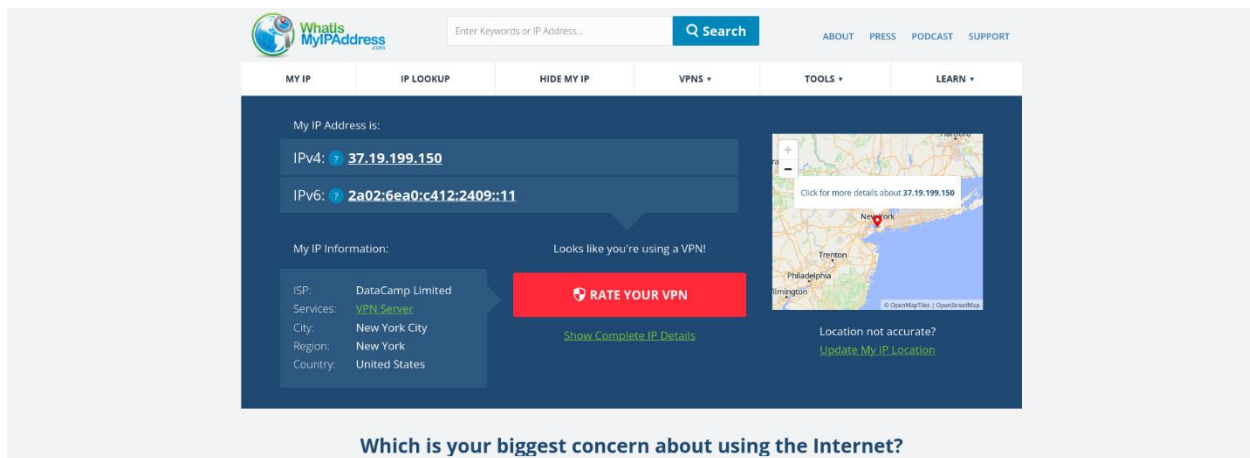
[HIDE MY IP ADDRESS NOW](#)

[Show Complete IP Details](#)

Location not accurate? [Update My IP Location](#)

Which is your biggest concern about using the Internet?

## IP Address after VPN Connection (Proton VPN)



The screenshot shows the WhatIsMyIPAddress.com website after a VPN connection. The main content area displays the user's IP address as 37.19.199.150 (IPv4) and 2a02:6ea0:c412:2409::11 (IPv6). The location information shows the ISP as DataCamp Limited, Services as VPN Server, City as New York City, Region as New York, and Country as United States. A red button labeled "RATE YOUR VPN" is prominent. A map on the right shows the location in New York City, United States, with a warning that the location may be exposed. The website header includes a search bar and navigation links for ABOUT, PRESS, PODCAST, and SUPPORT. The footer asks, "Which is your biggest concern about using the Internet?"

My IP Address is:

IPv4: 37.19.199.150

IPv6: 2a02:6ea0:c412:2409::11

My IP Information:

ISP: DataCamp Limited

Services: VPN Server

City: New York City

Region: New York

Country: United States

Looks like you're using a VPN!

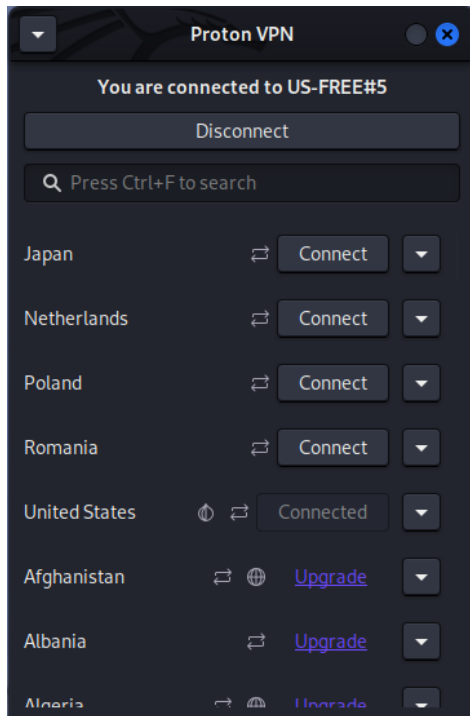
[RATE YOUR VPN](#)

[Show Complete IP Details](#)

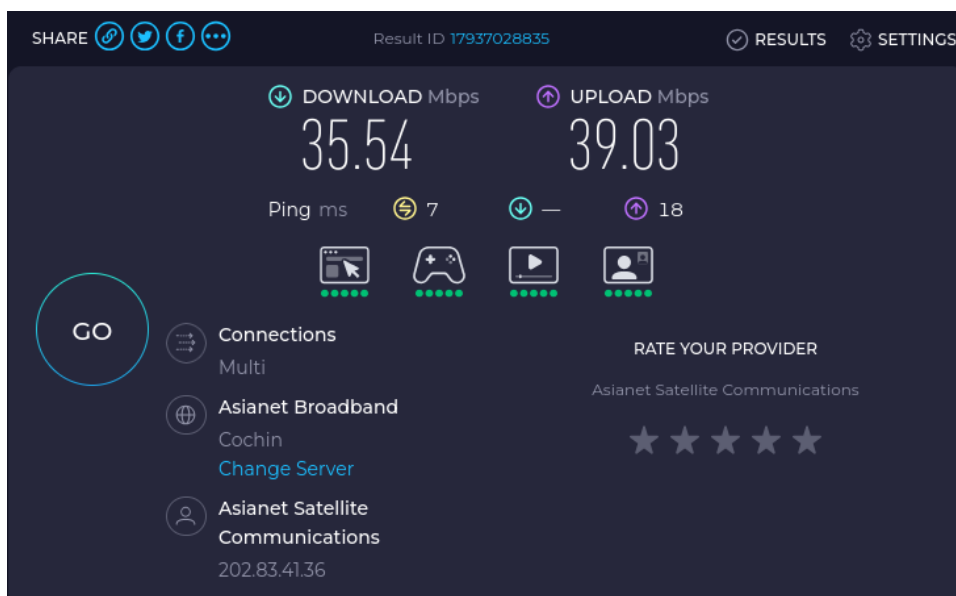
Location not accurate? [Update My IP Location](#)

Which is your biggest concern about using the Internet?

## Proton VPN



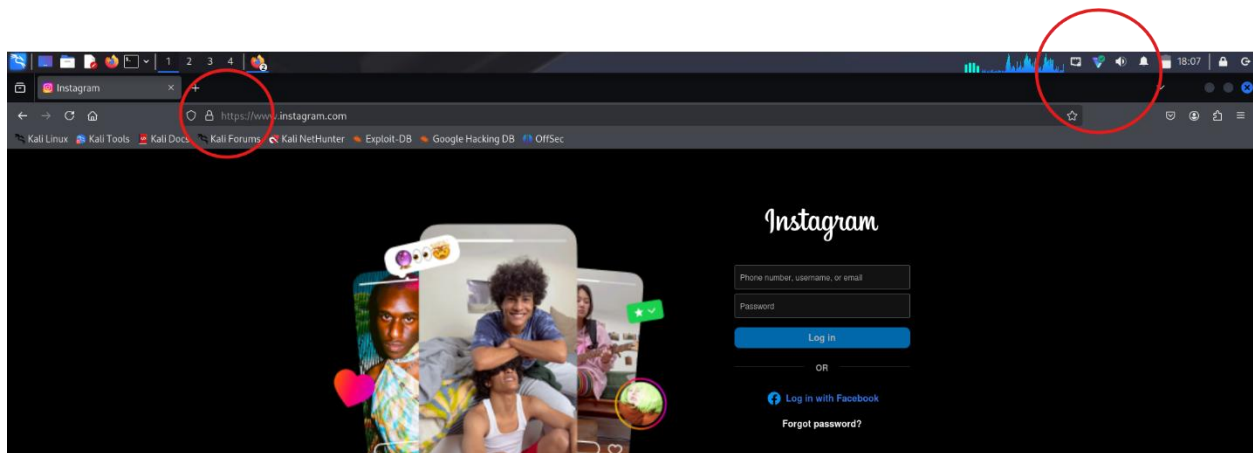
## Speedtest before VPN Connection



## Speedtest after VPN Connection



## A secure connection with VPN



## Conclusion

### Summary: VPN Benefits and Limitations

#### Benefits of VPN

- Anonymity: Hides your actual IP address and location.
- Encryption: Secures all data traffic using strong encryption standards (AES-256).
- Bypass Geo-restrictions: Access region-blocked content.
- Public Wi-Fi Protection: Prevents data sniffing and eavesdropping on insecure networks.

#### Limitations of VPN

- Speed Drops: VPNs can reduce browsing or download speed due to encryption and routing.
- Trust Required: You must trust your VPN provider with your data, especially free ones.
- Free Plan Restrictions: Limited server options, data caps, and features.
- Not Foolproof: Does not prevent tracking through cookies or browser fingerprinting.

## Conclusion

VPNs are powerful tools for protecting digital privacy and ensuring secure communications. While free VPNs like ProtonVPN and Windscribe offer essential features, users should understand their limitations and use them wisely. For maximum security, combining a VPN with browser privacy tools and strong browsing habits is recommended.