Vanilla+ Guide to Preventing and stopping DDoS Attacks

A distributed denial-of-service attack (DDoS attack) is when an attacker floods a victim's internet network with malicious traffic, aimed at overwhelming it and causing downtime ranging from seconds to hours and more.

Stopping attacks when your IP Address is shared

- If your IP Address has been leaked, or shared, you will want to change it
- Domestic public IPv4 IP Addresses (most likely the one you are using) that is show to the server when connecting to it, are split into two categories:
  - Dynamic
    - Dynamic IP Addresses **change regularly**, if you are on a home internet connection, you most likely have a dynamic IP Address
      - To reset a Dynamic IP unplugging your modem/router for 60 seconds and then plugging it back in, should provide you with a new IP Address
        - When you do this, you release your existing IP address so that your ISP can recycle it. When you reconnect, your ISP assigns you a new IP address
      - Going to http://checkip.amazonaws.com/ should present you with a different IP Address than you had before
        - If not try running these steps again, if it doesn't work still, you probably have a static IP Address
  - Static
    - Static IP Addresses **do not change**, if you are on a commercial internet connection, you most likely have a static IP Address
      - This makes it harder to gain a new IP Address
    - To gain a new IP Address you will want to contact your ISP (Internet Service Provider) and request they change your IP
      - Explain how you are worried about your security, and your internet has been going down, due to DDoS Attacks
      - Most of the time they will change your IP at no extra cost

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Preventing your IP Address from being shared

- VPNs
  - Most large servers will not support VPNs, Vanilla+ included
  - However, when playing on smaller servers, a VPN service is necessary, as they may not have security like you see on Vanilla+
  - Most people can find a VPN service that works for them online, but a free, easy to use, low latency option is **Cloudflare Warp**
  - Cloudflare Warp connects you to the closest Cloudflare server, which you can learn more about here: https://www.cloudflare.com/network/
  - To install Cloudflare Warp, go here: https://1.1.1.1/