

I. Search

- **What's the weather in Tokyo today?**
 - In Tokyo right now, it's 80°F and it's partly cloudy with a thunderstorm advisory.
 - Query: [weather.com] / [Sauce](#)
- **What is an interesting history fact related to today?**
 - On September 1st, Germany invaded Poland due to the French and British idling and with the aid of the Soviets and this sparked World War II.
 - Query: [history fact of the day] / [Sauce](#)
- **What's the number one billboard song today?**
 - 'Lovin on Me' by Jack Harlow is the top one this week.
 - Query: [top 1 billboard] / [Sauce](#)
- **What famous person has a birthday today?**
 - Among others, today (Sep 1st), is Zendaya's birthday!
 - Query: [famous person bday today] / [Sauce](#)
- **How long is the longest sandwich?**
 - It measured 735 m or 2,411 ft 5 in. This took place in May, 2011.
 - Query: [longest sandwich in the world] / [Sauce](#)
- **Who is the oldest person in the world right now?**
 - The oldest person now is Tomiko Itooka and she's 116 years old.
 - Query: [who is the oldest person alive] / [Sauce](#)
- **What saint's day is it today?**
 - Today, September 1st; Is ST Egidio, Abbott's day!
 - Query: [saints day today] / [Sauce](#)
- **What country has the most Picasso paintings?**
 - The Musée Picasso in Paris is the museum with the largest Picasso collection with almost <300 pieces.
 - Query: [what country has the most picasso paintings] / [Sauce](#)
- **What is currently the most popular dance on tiktok?**
 - It's a bit hard given the nature of tiktok, but I'll say that 'just know' is the most popular right now
 - Query: [most popular tiktok dance right now] / [Sauce](#)
- **What is the best-selling fiction book right now?**
 - 'By Any Other Name: A Novel' is the best selling hardcover Fiction now.
 - Query: [best selling fiction book now] / [Sauce](#)
- **What was the most popular country to travel to in 2019?**
 - In 2019, the most popular country for traveling was France.
 - Query: [popular country travel 2019] / [Sauce](#)

II. Internet Censorship

- [Sauce Discussed here](#)

In this blog post, the author—Rochelle Terman—talks about how complex the process of rerouting, filtering and censoring can be done by governments that may create laws, incentives and ‘independent’ outsider firms to put blocks in place and monitor traffic for them. Countries often use 3 types of internet censorship; **IP Blocking, Keyword Filtering and Packet Filtering** among others more discrete.

1. IP Blocking

Governments who wouldn't want IP addresses to free roam can contact internet service providers to blacklist them. When a user requests access to visit a site, the request would be monitored and also checked if the user is attempting to access with a blacklisted IP address; if the site is blacklisted, whichever provider the user is using will block the connection, causing an error.

ie; The Chinese Government, which has access to mega servers that monitor and control all information in and out of the country. Any user attempting to access a blacklisted site will be intercepted by these servers and they interrupt the connection before it's established by 'restarting' the request to both the users' machine and the site in question.

A way around this would be for the user to utilize a VPN—Virtual Private Network or a Proxy server to mask and encrypt the users' IP and make it unreadable by servers.

2. Keyword filtering

This is a tier lower than IP Blocking as this only blocks websites that are explicitly blacklisted plus the servers, however this doesn't block all information about a person, place or thing as it is impossible to blacklist every new website on the internet. To counteract this, governments may use URL Filtering, a method which revises URL—Uniform Resource Locator—string to search for blacklisted words. If the URL has a blacklisted term, the connection will reset.

A way around this would be for the user to download Tor—a completely anonymous browser—and alternate between HTTP and HTTPS.

3. Packet filtering

The lowest before actual hardware tampering from IP Blocking and URL filtering. This method involves scanning the contents of each website. When data flows through the internet, it's sorted and filtered into units called packets. However, during this deep inspection of the site's contents if there's a blacklisted keyword; the connection will be disrupted and dropped, giving the user an error message.

A way around this wouldn't be any different from all the other ways mentioned above although, a weakness of packet filtering would be it's much more less secure and only takes IP addresses and ports.

III. Professional Application

A key takeaway for me would be that regardless of how many years and how much knowledge we associate someones' title with, especially in the development world, even they don't have the answers for every niche and seemingly inexplicable error/bug that happens, whether that be his fault or not. And that it is okay to not remember certain concepts and procedures that are considered "basic" but not to oneself. I found this video useful because it feels more reassuring that even great developers that are years ahead of knowledge before me, still resource and help themselves with google.

IV. Weekly Reflection

- One thing that went well for me this past week was branching out and chatting with the Esport director about my interest in joining the production team. Because I like photography and videography equally yet I don't have a good editing background I still decided to venture and aid the director in creative ideas for their streams and events.
- A challenge I faced this Friday was me almost getting into a car crash due to brake failure. However, I managed to think coldly and only walk away with some bruises before I reached the intersection.
- For this week I worry I probably won't have enough to write the initial draft for an essay that's due this weekend.
- My plan on being successful this week is to continue to be on top of my homework assignments and invest in personal coding projects and skills.
- I wish I had more time to write out my blog!

