



As you can see in this graph, the query times were widely different between the blue bar compared to the other bars. The blue bar is the mydig resolver, the orange the local resolver, and the gray for Google's. The sites with very high query time indicates that the server is located in a very far location. For example, qq.com is a site located in China. Compared to the others, mydig has way higher query times. One reason for this is that the other resolvers are hardware based. The mydig python file is just that, a file run through software. Another reason that the other resolvers had better query times is that it can cache the IPs unlike our mydig. This can also explain why the local DNS server had many different query times.