**Check Point 1:**

Find & read relevant research papers, white papers,

blogs, or open-source implementation (~ 3 key

references)

• Summarize **their problem statement / main findings /**

**observations / approaches**

• An initial draft of your problem statement

Prepare a 5-min presentation on 16 Oct

– Introduce the topic you chose

– Summarize the references you read

– Introduce your problem statement

**Main target: Shadow Socks (SS)**

**Possible Problem statement:**

**What are the advantages of shadow socks that make it the most popular technology in VPN field?**

**-How it passes Firewall?**

**-What is Socks5 protocol?**

**-SS efficiency? Possible problems?**

**Socket proxy vs HTTP proxy?**

**Material**

**SS official website**

<https://shadowsocks.org/en/index.html>

SS GitHub

<https://github.com/shadowsocks>

What is the difference between a SOCKS proxy and an HTTP proxy? <http://www.jguru.com/faq/view.jsp?EID=227532>

**SOCKS Protocol Version 5**

<https://tools.ietf.org/html/rfc1928>

What is VPN? SS and VPS?

**浅谈vpn、vps、Proxy以及shadowsocks之间的联系和区别**

<https://medium.com/@thomas_summon/%E6%B5%85%E8%B0%88vpn-vps-proxy%E4%BB%A5%E5%8F%8Ashadowsocks%E4%B9%8B%E9%97%B4%E7%9A%84%E8%81%94%E7%B3%BB%E5%92%8C%E5%8C%BA%E5%88%AB-b0198f92db1b>

SS 原理详解

<https://toutiao.io/posts/5fo90o/preview>

SOCKS 5 原理+应用

<https://blog.csdn.net/sjailjq/article/details/81638168>