

# CS-523 Advanced topics on Privacy Enhancing Technologies

## **Censorship resistance Live exercises**

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How do the following properties of a communication system affect its censorship resistance?

- Confidentiality
- Sender linkability
- Unobservability

# XenaWarrior

The workers of XenaWarrior, an online retailer, are trying to unionize.

1. Is censorship a concern in this scenario?

# XenaWarrior

The workers of XenaWarrior, an online retailer, are trying to unionize.

2. What is a possible threat model in this scenario (capabilities, background info)?

# XenaWarrior

The workers of XenaWarrior, an online retailer, are trying to unionize. A unionizer suggests to use an anonymous communication system to organise.

3. Is the use of an anonymous communication system sufficient to avoid any form of censorship under the threat model in the previous part? Under what conditions?

# XenaWarrior

The workers of XenaWarrior, an online retailer, are trying to unionize. A unionizer suggests to use an anonymous communication system to organise and asks you to design a traffic obfuscator.

**4. Under the threat model you proposed in Question 2, what is the better approach to traffic obfuscation:**

- A) Mimicry: look like not blacklisted
- B) Mimicry: look like whitelisted