

# 6.033 Spring 2018

## Lecture #26

### **Policy vs. Mechanism**

# net neutrality

2015 FCC ruling prohibits three things:

## 1. blocking

ISPs can't block access to legal content, applications, services, or non-harmful devices

## 2. throttling

ISPs can't impair or degrade traffic on the basis of content, applications, services, or non-harmful devices

## 3. paid prioritization

ISPs cannot favorite some lawful traffic over other lawful traffic in exchange for "consideration of any kind"

ISPs *can* regulate the flow of traffic to and from **directly connected** networks

(Comcast can charge you more money for a faster connection to their network)

the **GDPR** is a measure to protect users from data breaches. it's based around many principles, including

## 1. consent

organizations must request consent in clear and plain language, and it must be easy to withdraw consent

## 2. access

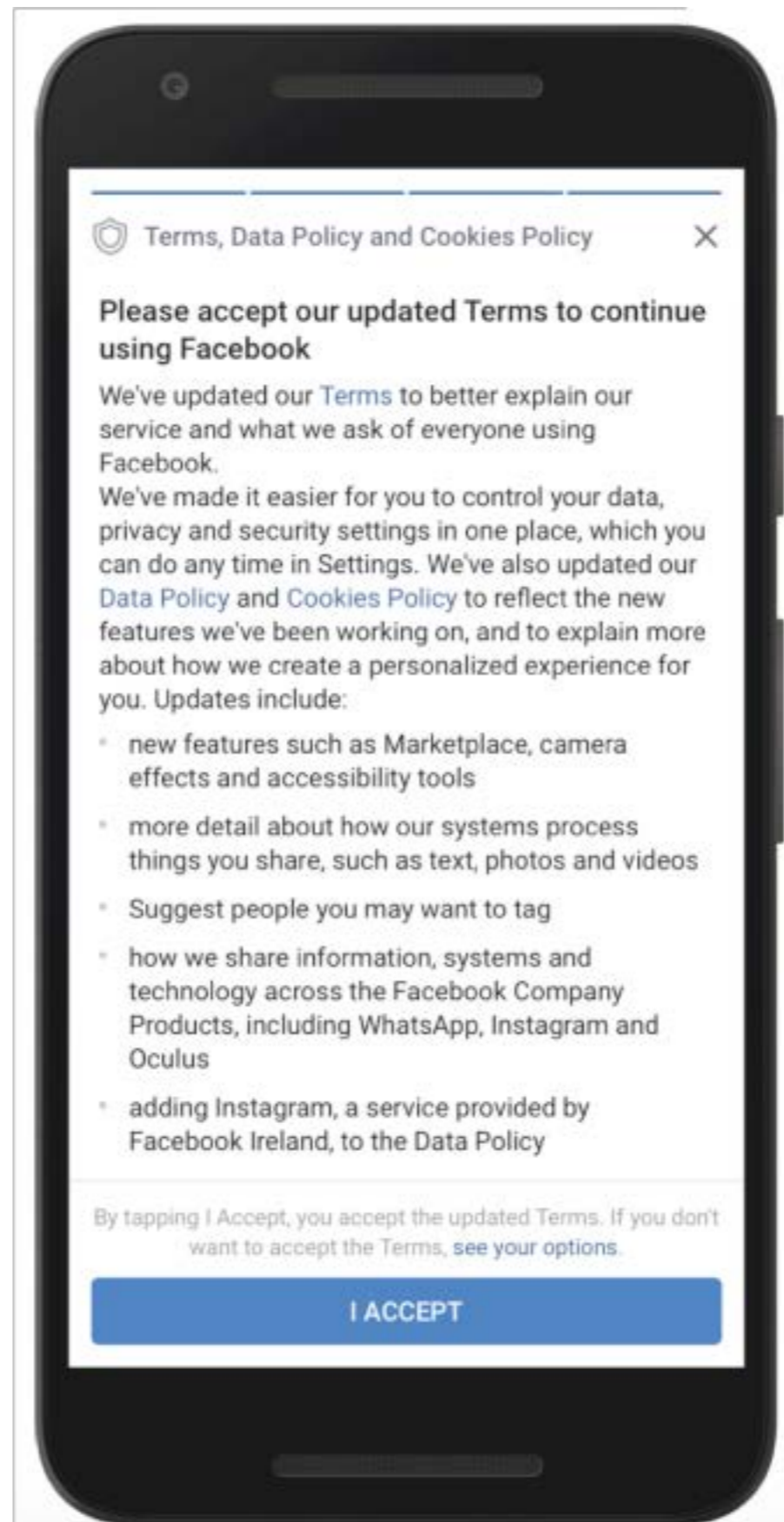
organizations must allow subjects to access their data, transfer it to other services, and erase it

## 3. minimization

organizations should only keep the data that is absolutely necessary

these regulations apply to companies that are processing the data of EU subjects, *regardless* of whether the company is based in the EU

overall, the regulations advocate for **privacy by design**



© Oath Tech Network. All rights reserved. This content is excluded from our Creative Commons license. For more information, see <https://ocw.mit.edu/help/faq-fair-use>.

source: <https://techcrunch.com/2018/04/17/facebook-gdpr-changes/>

# where to go from here

**6.828** - Operating Systems

**6.829** - Computer Networks

**6.830/6.814** - Database Systems

**6.858** - Computer Systems Security

**6.857** - Network and Computer Security

**6.875** - Cryptography and Cryptanalysis

**6.892/MAS.S62** - Cryptocurrencies

**6.824** - Distributed Systems ←

**6.826** - Principles of Computer Systems

**6.852** - Distributed Algorithms

**6.903** - Intellectual Property

**6.904** - Ethics for Engineers

more systems  
↓  
more math

the most natural  
follow-up to 6.033

MIT OpenCourseWare  
<https://ocw.mit.edu>

6.033 Computer System Engineering  
Spring 2018

For information about citing these materials or our Terms of Use, visit: <https://ocw.mit.edu/terms>.