



# Future Privacy

Michael Cordover · LCA2017 · <https://mjec.net/talks/lca2017> · CC-BY 4.0

# Who is this mjec person anyway?

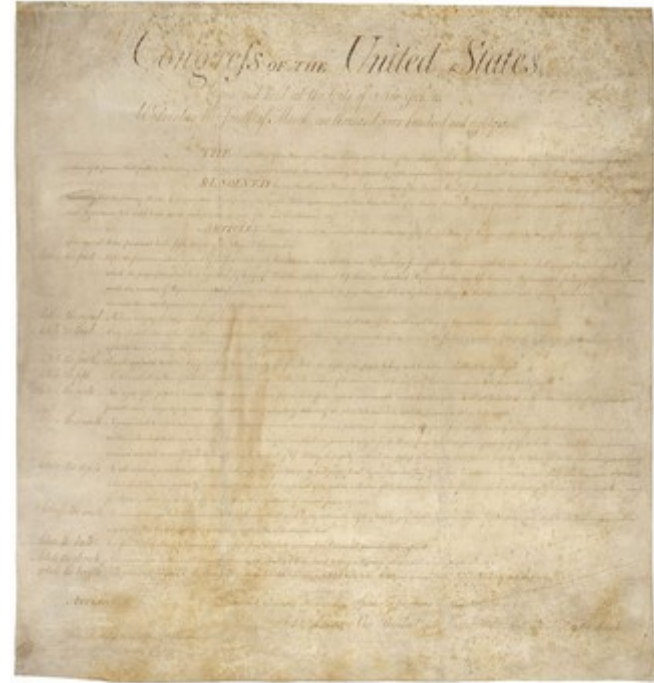


Still from *Muppets Most Wanted* (Walt Disney Pictures 2014), fair use claimed because that's how memes work. This image from Twitter user @InnerKermit.

Australian lawyer  
American programmer  
Haskell  
PHP

# Some history

- Right to be let alone (solitude)
- Personal papers (secrecy)



Bill of Rights to the US Constitution

# Technology caused a shift

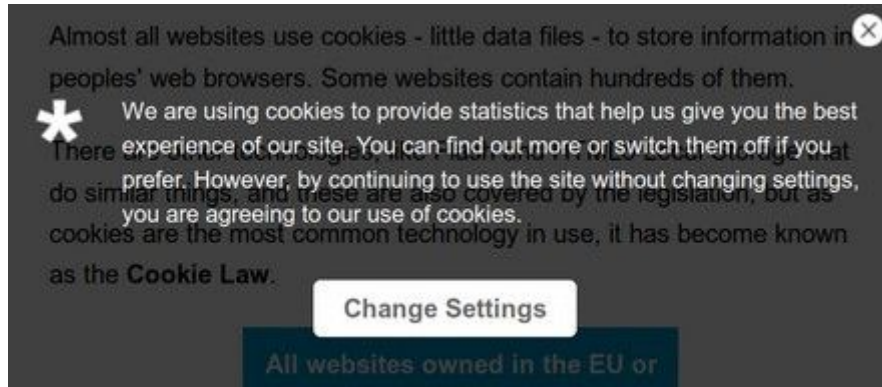


Photograph of security cameras by Quevaal available at [https://commons.wikimedia.org/wiki/File:Surveillance\\_cameras.jpg](https://commons.wikimedia.org/wiki/File:Surveillance_cameras.jpg)  
CC-BY-SA 3.0 Unported

- Anonymity
- Right to be forgotten



# Some more of the law's greatest mistakes

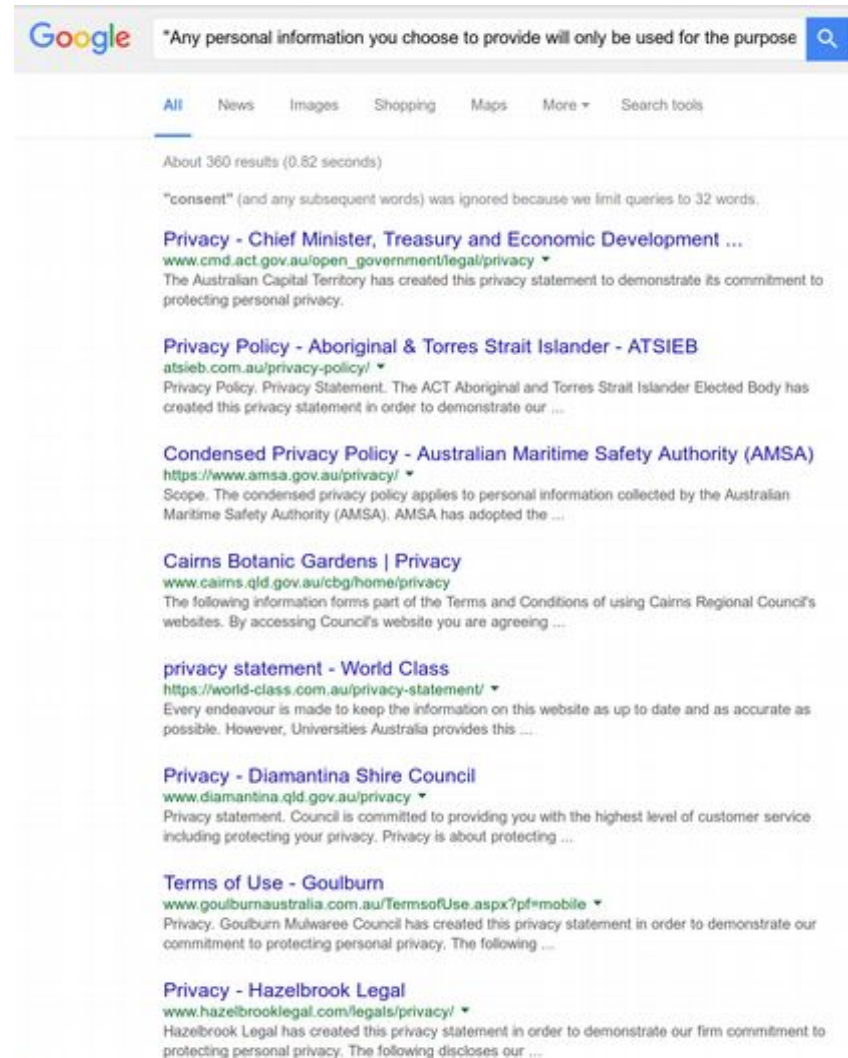



Screenshot of <https://www.cookie-law.org/the-cookie-law/>

- Do you consent?
- When?
- To what?

# A quick example

*Any personal information you choose to provide will only be used for the purpose for which it was provided and will not be disclosed to other persons or organisations without your prior consent or if required by law.*



Google "Any personal information you choose to provide will only be used for the purpose" 

All News Images Shopping Maps More ▾ Search tools

About 360 results (0.82 seconds)

"consent" (and any subsequent words) was ignored because we limit queries to 32 words.

**Privacy - Chief Minister, Treasury and Economic Development ...**  
[www.cmd.act.gov.au/open\\_government/legal/privacy](http://www.cmd.act.gov.au/open_government/legal/privacy) ▾  
The Australian Capital Territory has created this privacy statement to demonstrate its commitment to protecting personal privacy.

**Privacy Policy - Aboriginal & Torres Strait Islander - ATSIEB**  
[atsieb.com.au/privacy-policy/](http://atsieb.com.au/privacy-policy/) ▾  
Privacy Policy, Privacy Statement. The ACT Aboriginal and Torres Strait Islander Elected Body has created this privacy statement in order to demonstrate our ...

**Condensed Privacy Policy - Australian Maritime Safety Authority (AMSA)**  
<https://www.amsa.gov.au/privacy/> ▾  
Scope. The condensed privacy policy applies to personal information collected by the Australian Maritime Safety Authority (AMSA). AMSA has adopted the ...

**Cairns Botanic Gardens | Privacy**  
[www.cairns.qld.gov.au/cbg/home/privacy](http://www.cairns.qld.gov.au/cbg/home/privacy)  
The following information forms part of the Terms and Conditions of using Cairns Regional Council's websites. By accessing Council's website you are agreeing ...

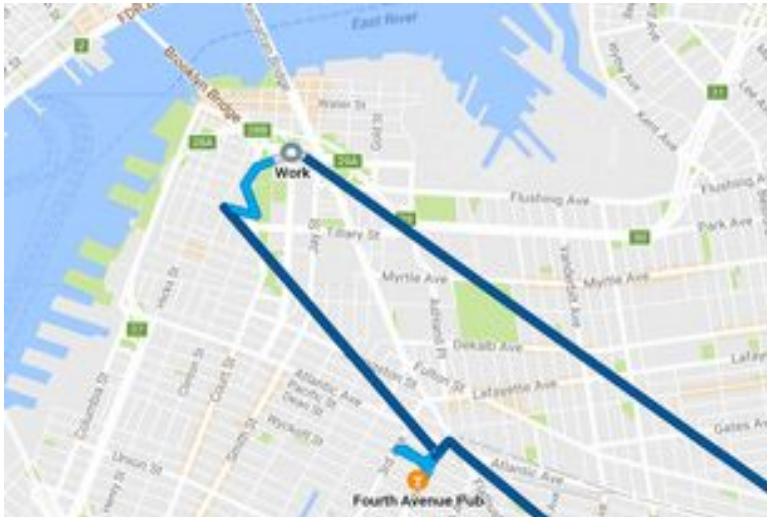
**privacy statement - World Class**  
<https://world-class.com.au/privacy-statement/> ▾  
Every endeavour is made to keep the information on this website as up to date and as accurate as possible. However, Universities Australia provides this ...

**Privacy - Diamantina Shire Council**  
[www.diamantina.qld.gov.au/privacy](http://www.diamantina.qld.gov.au/privacy) ▾  
Privacy statement. Council is committed to providing you with the highest level of customer service including protecting your privacy. Privacy is about protecting ...

**Terms of Use - Goulburn**  
[www.goulburnaustralia.com.au/TermsOfUse.aspx?pf=mobile](http://www.goulburnaustralia.com.au/TermsOfUse.aspx?pf=mobile) ▾  
Privacy. Goulburn Mulwaree Council has created this privacy statement in order to demonstrate our commitment to protecting personal privacy. The following ...

**Privacy - Hazelbrook Legal**  
[www.hazelbrooklegal.com/legals/privacy/](http://www.hazelbrooklegal.com/legals/privacy/) ▾  
Hazelbrook Legal has created this privacy statement in order to demonstrate our firm commitment to protecting personal privacy. The following discloses our ...

# But even if you get it, does it matter?



Screenshot of <https://www.google.com.au/maps/timeline> logged in as me

- I know this stuff
- I care about this stuff
- I have Google Location History turned on



# And this is just what we see

- Anonymous data
- Lots of data
- Aggregated use



Slide from Tapad at MLconf NYC by Yael Elmatad, Senior Data Scientist. Fair use claimed.  
<http://www.slideshare.net/SessionsEvents/yael-elmatad-senior-data-scientist-tapad-at-mlconf-nyc-41516>

# And this is just non-state actors



- Government-independent infrastructure is really hard
- Nobody is immune to law

# Force people to own their own data

- Get them to grab a zip and re-upload it?
- Email it to them?
- Be Bitcoin?

## Can I save an online services application and resume it at a later date and time?

Yes. You have the option of saving a draft of an application when using our online services. This option saves the draft as a zip file on your computer. Do not attempt to open the zip file directly from the location as it is saved on your computer. If you would like to make changes to a saved application you will need to resume the transaction with our online services using the "Resume a saved eService" function.

Please note: saved drafts will expire after fourteen days, at which point you will have to begin again. We strongly discourage you from relying on only these drafts to record the information they enter into your application.

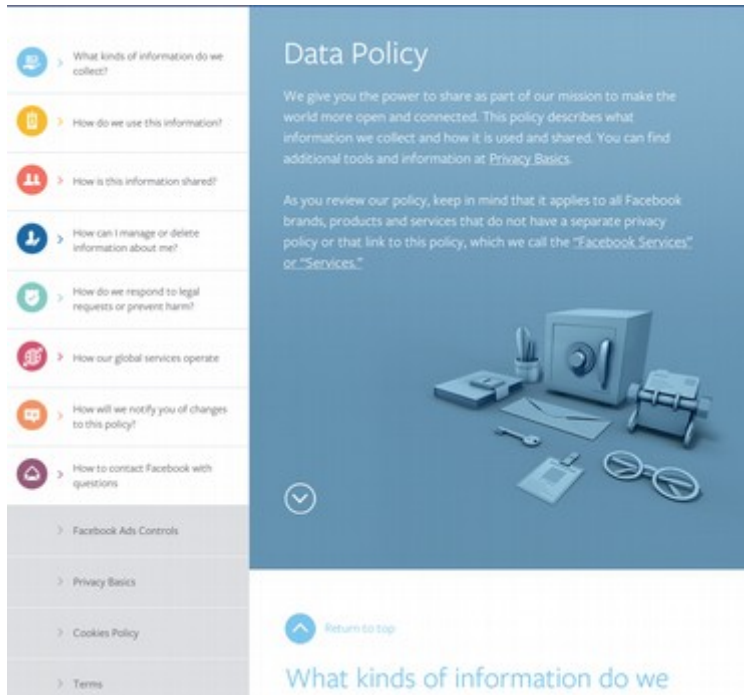
Screenshot from <https://www.ipaustralia.gov.au/tools-resources/online-services/online-services-faq>



# So what do we do about it?

- Open systems
- Decentralization
- Federation
- Non-permissive by default

# What sites do is way too much



- Do one thing and do it well
- ... or nobody will even understand what you do



# What that means

- Ban Google Analytics
- Ban Facebook
- Stop doing digital by default
- Go back twenty years and don't build the web



Sorry



# Questions?

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mjec@mjec.net  
twitter