LINUXCONFAU

RFC 1984:

Or why you should start worrying about encryption backdoors and mass data collection

Esther Payne

Linux Conf AU 2020

About me

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- We need to give up a little privacy for our security.

How to explain Privacy?

Humans learn from stories

OVIDIVS

Ovid and greek myths

- Who was Ovid?

Ovid and greek myths

- Who was Ovid?
- What did he write?

Io and Argus

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Ovid updated the myth

What does this myth have to do with nowadays?

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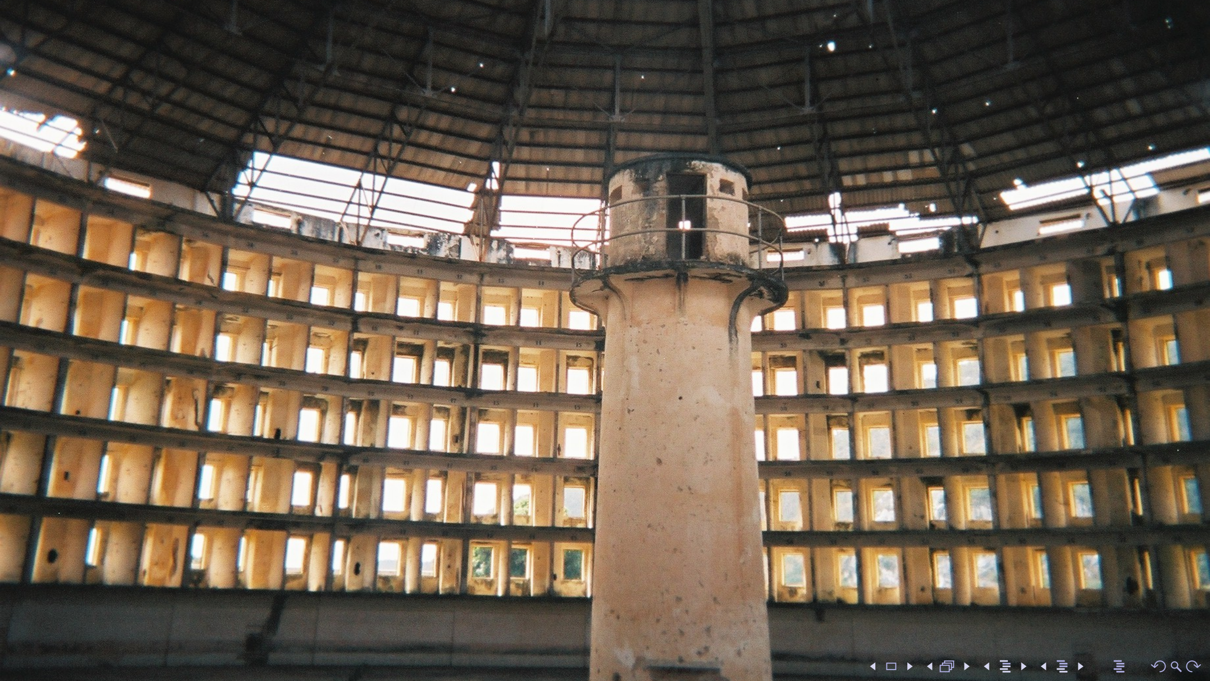
- Branding Argus Panoptes
- We forgot IO DUH!
- Can we use the myth, or peacocks as a symbol? Is it appropriate?

1984

- George Orwell



1984

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- Again people focus on the tech of oppression.

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- Again people focus on the tech of oppression.
- Need to focus on the why and who.

RFC:1984

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RFCs

- What are RFCs?

RFCs

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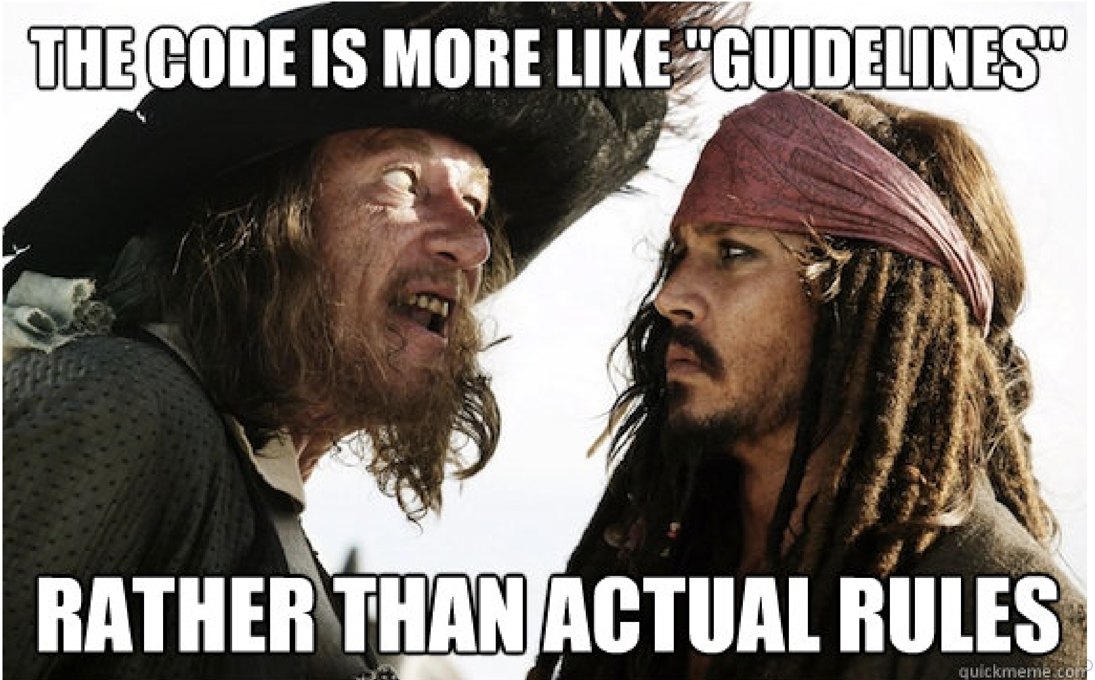
- Can any one submit an RFC?


THE CODE IS MORE LIKE "GUIDELINES"
RATHER THAN ACTUAL RULES
quickmeme.com

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- Published in 1996 during US trade embargo on Escrow.
- Changed to BCP in 2015.

RFC:1984

"The Internet Architecture Board (IAB) and the Internet Engineering Steering Group (IESG),[...] are concerned by the need for increased protection of international commercial transactions on the Internet, and by the need to offer all Internet users an adequate degree of privacy."

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- (c) mandate that private decryption keys should be in the hands of the government or of some other third party; and/or
- (d) prohibit the use of cryptology entirely, or permit it only to specially authorized organizations.

What is threatening our privacy?

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- Your family using ALL those services.

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- In late 2018 GCHQ published ”Principles for a More Informed Exceptional Access Debate.”

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- Home office destroyed Windrush data.
- UK government officials are very careless with data.

America

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- 2017 Personal Data leak of 198 million US citizens by RNC.

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- Australia Privacy Amendment act 2017 introduce Notifiable Data Breaches Scheme

Australia: A few example of Breeches

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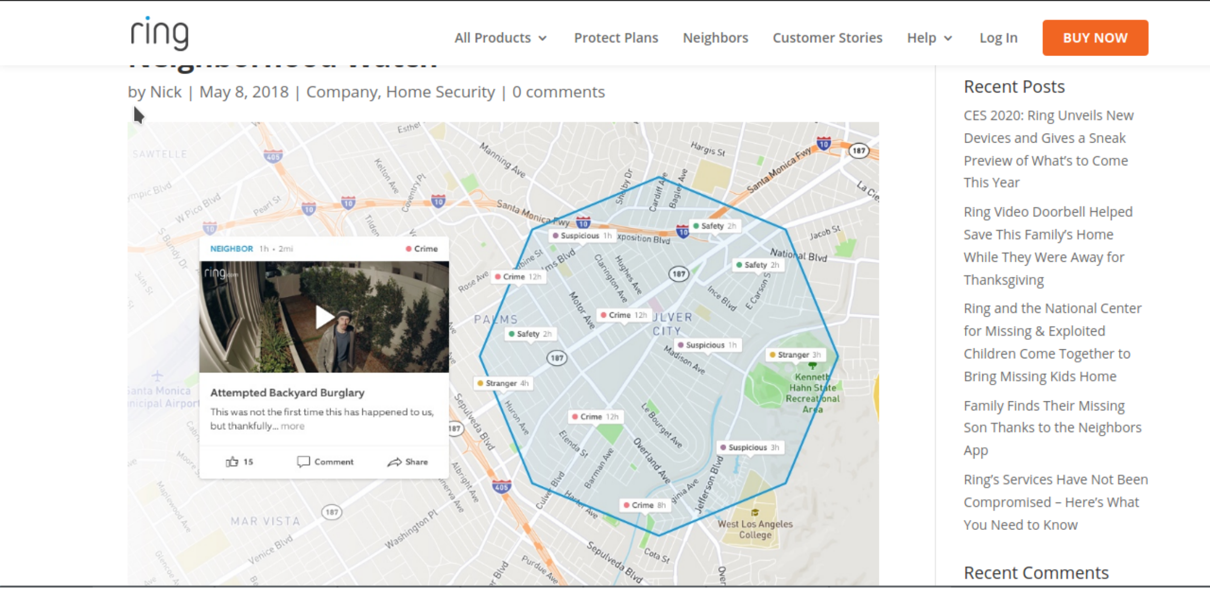
ring



by Nick | May 8, 2018 | Company, Home Security | 0 comments

Attempted Backyard Burglary

This was not the first time this has happened to us, but thankfully... more

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Family Finds Their Missing Son Thanks to the Neighbors App

Ring's Services Have Not Been Compromised – Here's What You Need to Know

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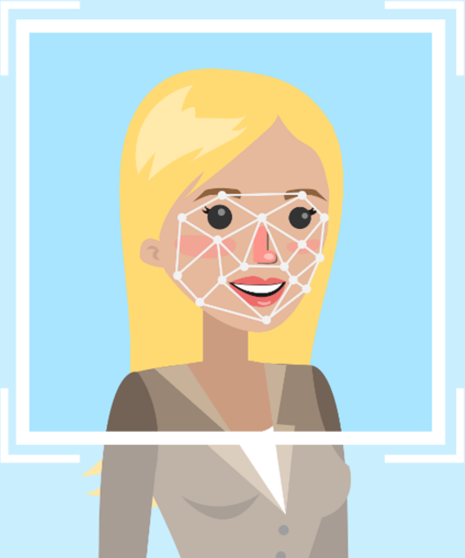

Facial Recognition

- Government

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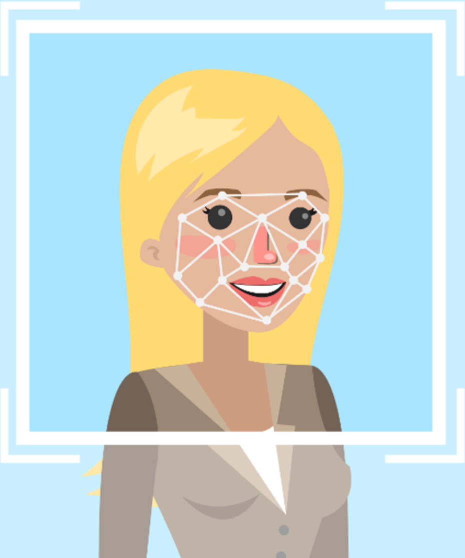

But Ancestry DNA testing isn't really a threat

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- Conclusion: On it’s own no. But as part of a possible dataset combined with other metadata?

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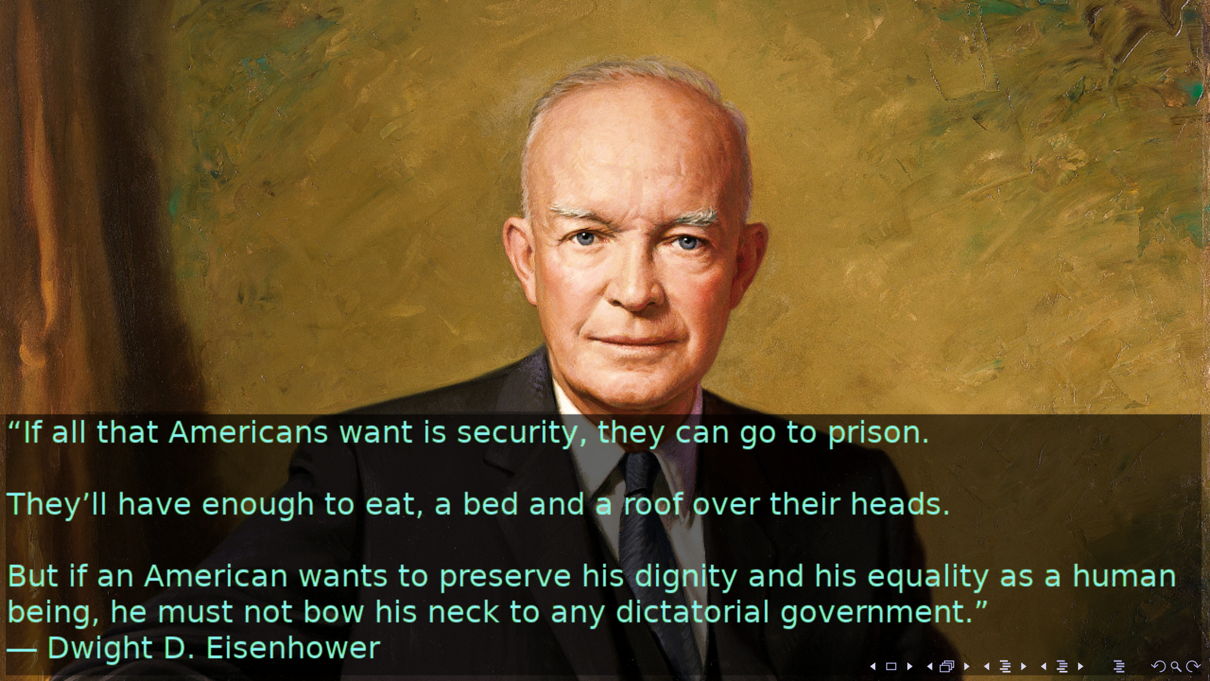

“If all that Americans want is security, they can go to prison.

They’ll have enough to eat, a bed and a roof over their heads.

But if an American wants to preserve his dignity and his equality as a human being, he must not bow his neck to any dictatorial government.”
— Dwight D. Eisenhower

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- Even teenagers don't care. Not true, teenagers are private.
- We need to give up a little privacy for our security. What defines our Security?

Is there hope ?

- Mainstream Press starting to publish the dangers

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- Mainstream Press starting to publish the dangers
- Certain Cities in the US banning facial recognition
- Conferences like Linux.Conf.Au

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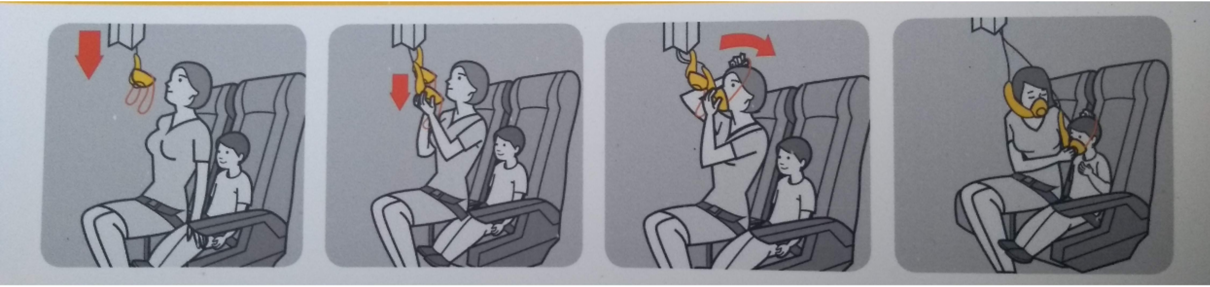

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- Protect your own privacy.

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- Build in privacy.
- Follow privacy focused organisations and people online.
- Protect your own privacy.
- Join decentralised networks like Mastodon and Diaspora.

What can we do?

Use stories to help people to empathise and understand.

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- Use stories to help people to empathise and understand.
- Focus on Io, not Argus Panoptes.

Final thoughts

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- Contact your political representatives
- Encourage friends and family to contact their representatives

Final thoughts

- Human rights violations are here now.

Final thoughts

- Human rights violations are here now.
- It’s important to not normalise the virtual panopticon

Use the hashtag #RFC1984

Questions?

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