

Threat Modeling 101

CryptoParty Sun Feb 12 2017

Best by April 2017

CryptoParties, general

- “*CryptoParty* is a decentralized, global initiative to introduce basic tools for protecting privacy, anonymity and overall security on the Internet to the general public.”
- CryptoParties are neither commercially nor politically aligned, and free and open to attend for everyone
- **Be excellent to each other & Do things**

CryptoParties, NYC

- CryptoParty Harlem – Yay matt!
- CryptoParty Brooklyn – NYC Resistor :)
- CryptoParty Venture Fund? Go Work bench!
- CryptoParty Arts Org – Yay Eyebeam!
- CryptoParty with the Society of Environmental Journalists at the Brooklyn Public Library
- CryptoParty on Full Frontal with Samantha Bee and Ashley Nicole Black *and* Talib Kweli

CryptoParties, You

- Enjoy this one.
- Go to another one.
- Teach people what you learn.

Threat Modeling

Don't stop using technology just because some bad things can happen.

A piano could fall from the sky. Mostly it doesn't.

Threat modeling can give you a way to get just a little bit safer on the internet, in the ways that matter to you.

Threat Modeling

- What do you have that you want to protect?
 - information - no one can access what you have
 - integrity of that information - no one has changed the information or destroyed it
 - integrity of your identity - no one is pretending to be you
 - location - no one knows where you have been, where you hang out or where you are going
 - friends, family and associates - no one can identify who is close to you
 - what you communicate
 - who you communicate with
 - what you are reading or researching

Threat Modeling

- Who do you want to protect it from?
 - Competitors
 - The government
 - Your employer
 - Your future employers
 - Internet trolls
 - Thieves
 - Your mom.

Threat Modeling

- How likely is it that someone will successfully target you?
 - Will they just stumble on it in the garbage/on facebook (no equivalence implied)
 - Are you a member of a group that is likely to be targeted
 - Women
 - Activists
 - Public Figures
 - Ethnic or Religious Minorities
 - What resources can your adversaries bring to bear?
 - Your nosy great uncle
 - The NSA

Threat Modeling

- What are the consequences if they are successful?
 - Who is harmed and in what way?
 - Would it be possible to make up for a loss?
 - YOLO? Even bad publicity is good publicity?

Threat Modeling

- What are you doing well now?
 - Don't abandon good processes you already have
(WhatsApp may be just fine for you)
 - Look for tweaks to current habits
(shredder in front of the recycle bin)

Threat Modeling

- What are the resources you have that you can dedicate to improvements?
 - Time
 - Education
 - Equipment - a second phone, a cheap laptop
 - Attention - making the things you do every day just a little bit harder
 - Reduction in connectivity

Threat Modeling

- The goal is to let you be effective
 - Live the life you want to live
 - Do the work you want to do
 - You may need to protect yourself or your peeps a little more than someone else has to
 - But you can do it
 - It's not that hard
 - It reduces anxiety
 - And it gives you freedom

Threat Modeling

- What do you have that needs protecting?
- Who are you protecting it from?
- How likely is it they will get it?
- What happens if they are successful?
- What are you doing well now?
- What are the resources you can dedicate to doing some things better?

Threat Modeling - Resources

- A First Look At Digital Security from Access Now [\[1\]](#)
- Surveillance Self Defense from the EFF [\[2\]](#)
- Futurography February: Cybercrime Self-Defense [\[3\]](#)
- Security In A Box [\[4\]](#)
- Data Privacy Project for Libraries and Patrons [\[5\]](#)
- 10 tech issues that will impact social justice in 2017 from Ford Foundation [\[6\]](#)

Threat Modeling - Resources

- How to give a digital security training from matt mitchell et al [[7](#)]
- Getting Started With Digital Security from Witness [[8](#)]
- Holistic Security from Tactical Tech [[9](#)]
- Integrated Security Manual from Jane Barry at Linksbridge [[10](#)]
- Something Can Be Done Guide from Without My Consent [[11](#)]

The Maslow's Hierarchy of Security Needs

/HT @qrs

