



# The Cyber Threat Landscape

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Sandbags Piled in Front of AT&T Building, San Francisco, 12/15/1941

## Introduction



Me

- 16 years in Information Security at AT&T
- Currently Support 8000+ Retail Locations



- World's largest communications company (by REV)
- **137 Petabytes/day**
- Largest Pay TV Provider in US (25M subs)
- **134M Wireless Subscribers in US / 12M in Mexico**
- 13<sup>th</sup> Most Valuable Brand\*
- **12<sup>th</sup> Largest Company in the world\***

\*SOURCE: <https://www.forbes.com/companies/att/>

# Current Threats

**Who / Why / How?**



## Threat 1/3

WHO?

**Hactivists**

WHY?

**For a Cause**

HOW?

**Destructive Attacks**

- On-line “dating” site

**Denial of Service**

- Anonymous

**Trusted Insiders**

- Snowden



**Threat 2/3**



WHO?

**Criminals**

WHY?

**For Profit** (organized crime)

HOW?

**APT (Data Theft)**

- Retail: Credit Cards
- Media: Intellectual Prop

**Destructive Attacks**

- Ransomware

**Denial of Service**

- DDOS for Hire



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**Threat 3/3**

WHO?

**Nation States**

WHY?

**For Country**

HOW?

**APT (Data Theft)**

- OPM/Health insurer
  - Political Party
- Destructive Attacks**
- Stuxnet / National Oil Co.

**Denial of Service**

- Major Code Repository



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30<sup>th</sup> Annual Technology Law Conference session

"The Cyber Threat Landscape"