

# Data Day 2017

## Research Data Risk of Cyber-Attack

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# Cyber Threats and Risks

## The adversaries:

- Organized Crime seek financial opportunities
- State / Corporate Espionage look for economic or political advantage
- Hacktivists want to influence change in business practices or political/social change
- Insiders desire personal or monetary gain, professional revenge, bribery/extortion

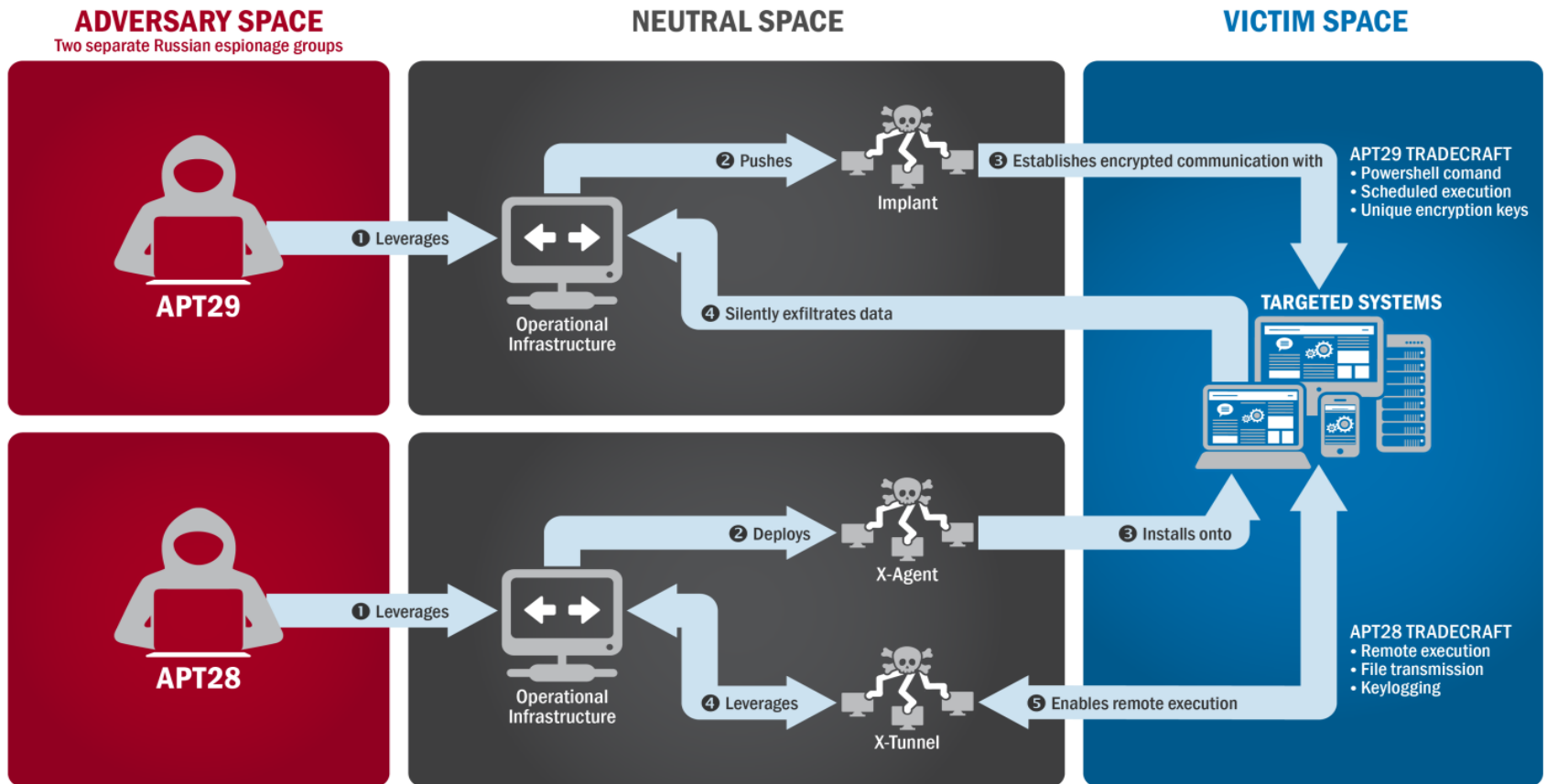
## Key cyber risks:

- IT Hijack
- Reputational Attack
- Unauthorized/illegal use of IT
- Data Breach

## Grizzly Steppe – Russian attack

The following slides reference information disclosed by the US Department of Homeland Security, December 2016

- Two Russian groups known as Advanced Persistent Threat (APT) 29 and 28 targeted government organizations, think tanks, **universities**, and corporations around the world.
- Motive – to gain intelligence value
- Use infrastructure around the world to obfuscate their source operations, host domains and malware used to target organizations



## The Human Shield

1. Think before you click. Be suspicious.
2. Report oddities.
3. Ensure important information is centrally backed up.
4. Install system updates in a timely manner.
5. Keep anti-virus active at all times. Use a reputable virus solution.
6. Follow security alerts, share experiences.

**Queen's is making changes to improve its cybersecurity practices.**