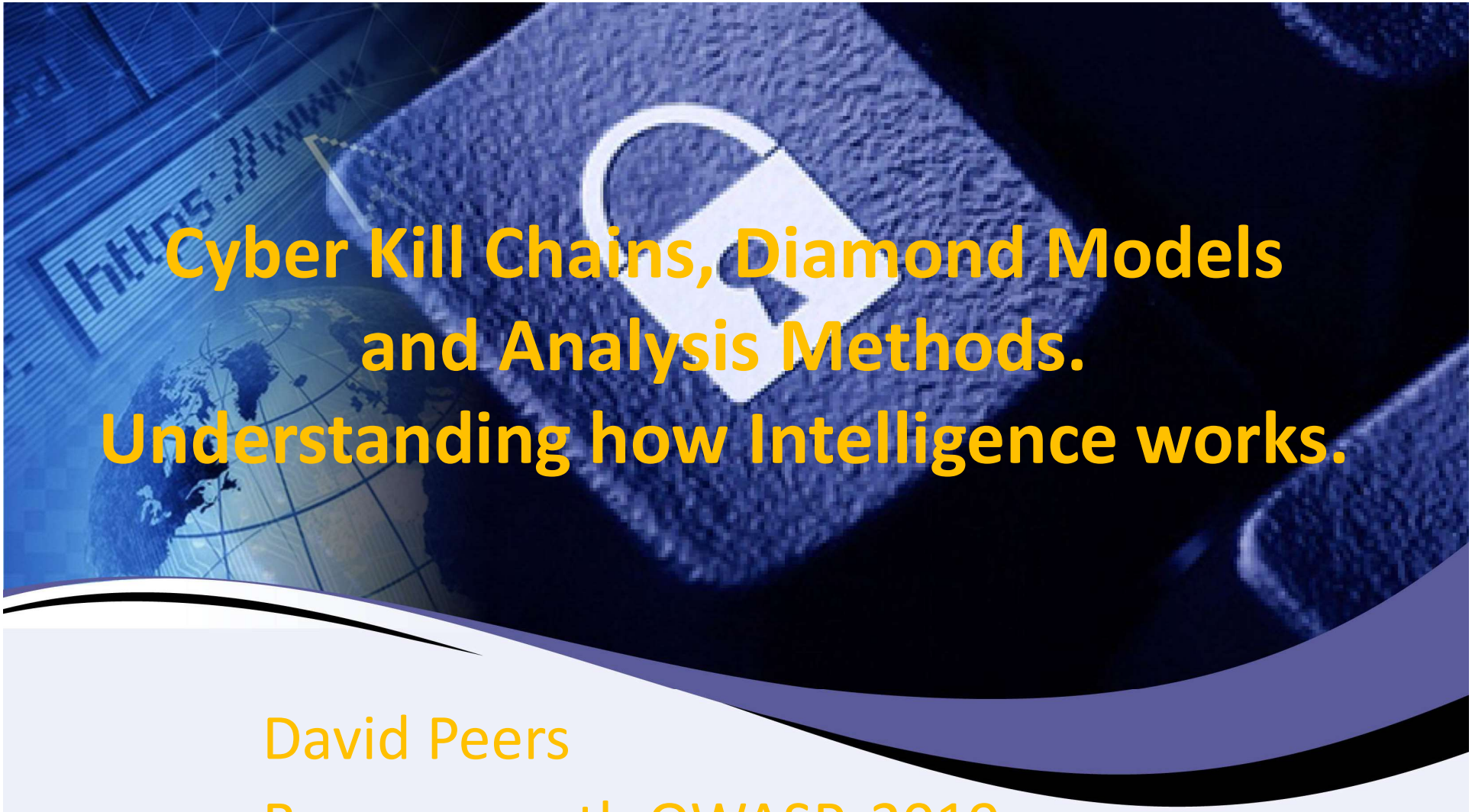

Cyber Kill Chains, Diamond Models and Analysis Methods. Understanding how Intelligence works.

David Peers

Bournemouth OWASP, 2019

OWASP

The Open Web Application Security Project

Introductions

OWASP
The Open Web Application Security Project

Who am I?

Royal Corps of Signals

Microsoft

CREST

GCHQ

What am I?

dpeers@protonmail.com

Covered tonight…

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- Jargon
- Intelligence Cycle
- Typical installation of malware
- Cyber Kill Chains
- Diamond Model
- Threat actor types
- 3 Scenarios

Jargon

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- Events and Incidents
- IoA
- IoC
- IoT
- TTP
- Bias
- Risk
- Black Swan
- Hypothesis
- APT
- Assets
- Asset
- Adversary
- Adversary Operator
- Adversary Customer
- Attack
- Campaign
- Cyber (enabled) crime

Intelligence Cycle

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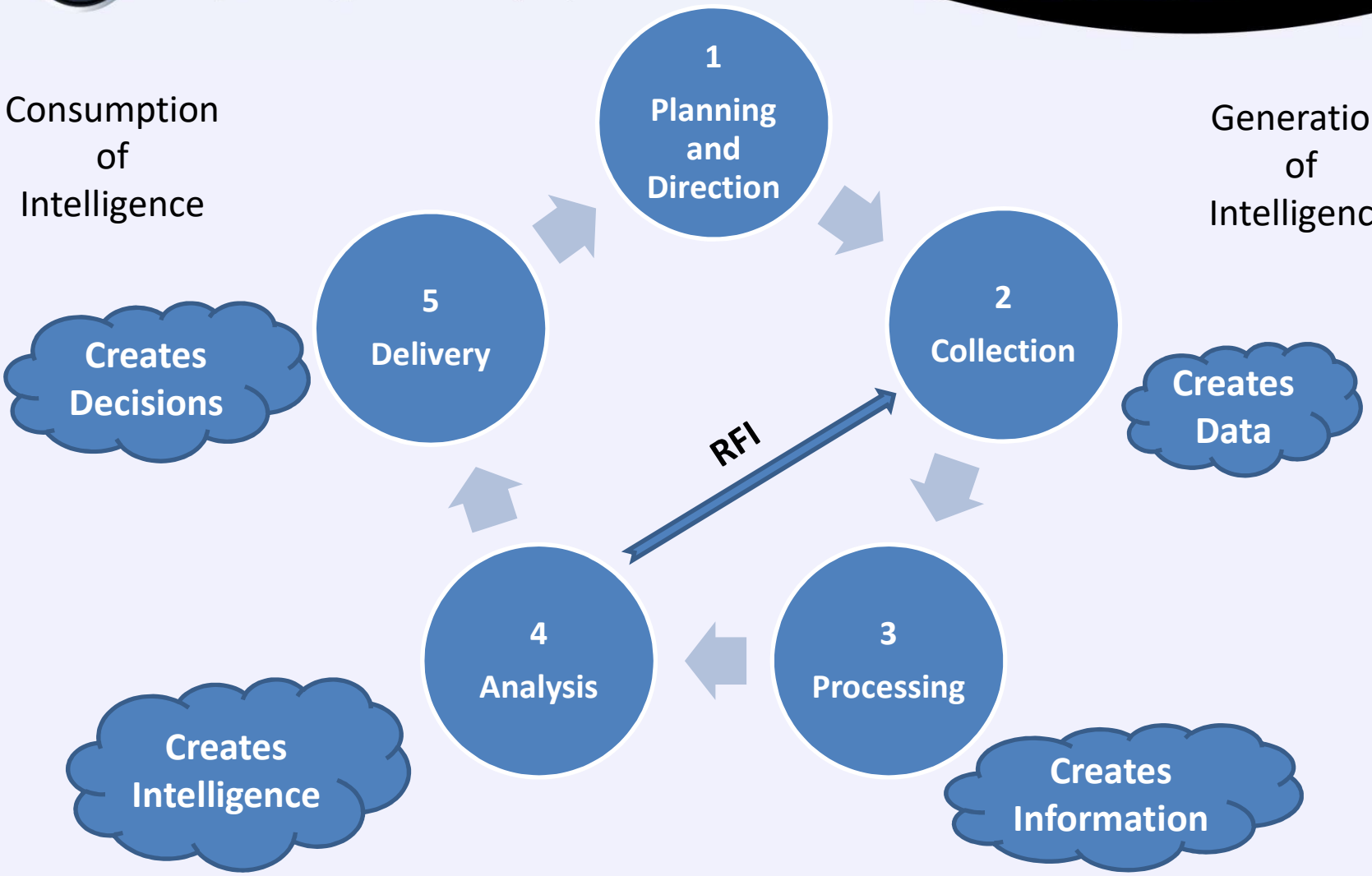

Typical Installation of Malware

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Cyber Kill Chain

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7 step process, developed by Lockheed Martin, to breakdown the process of intrusion and compromise.

Diamond Model #1

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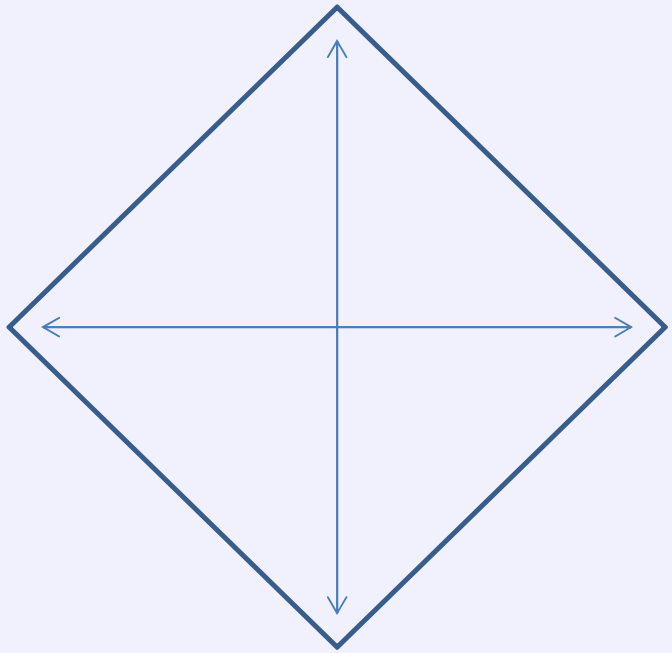

Diamond Model #2

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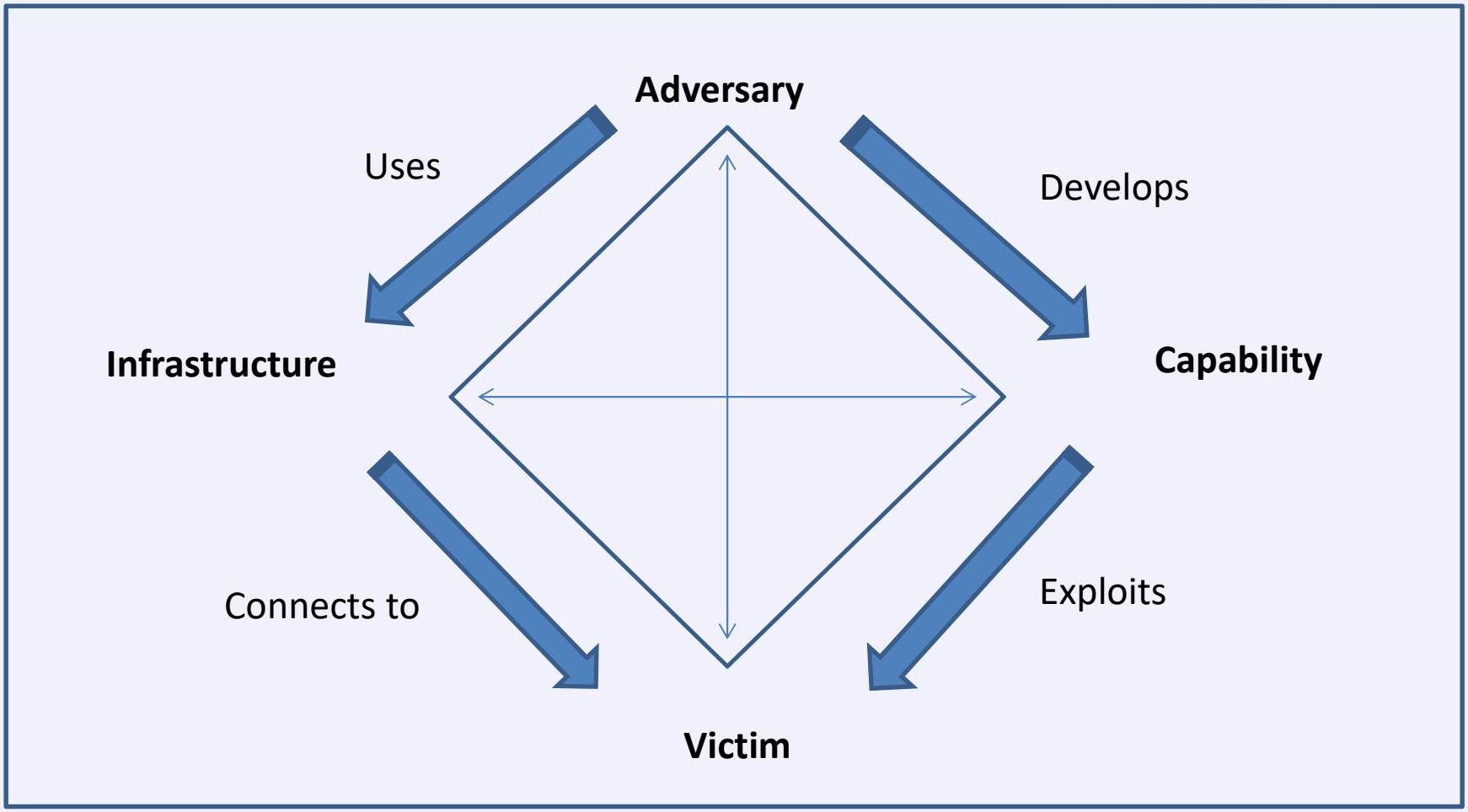

Threat Actor Types

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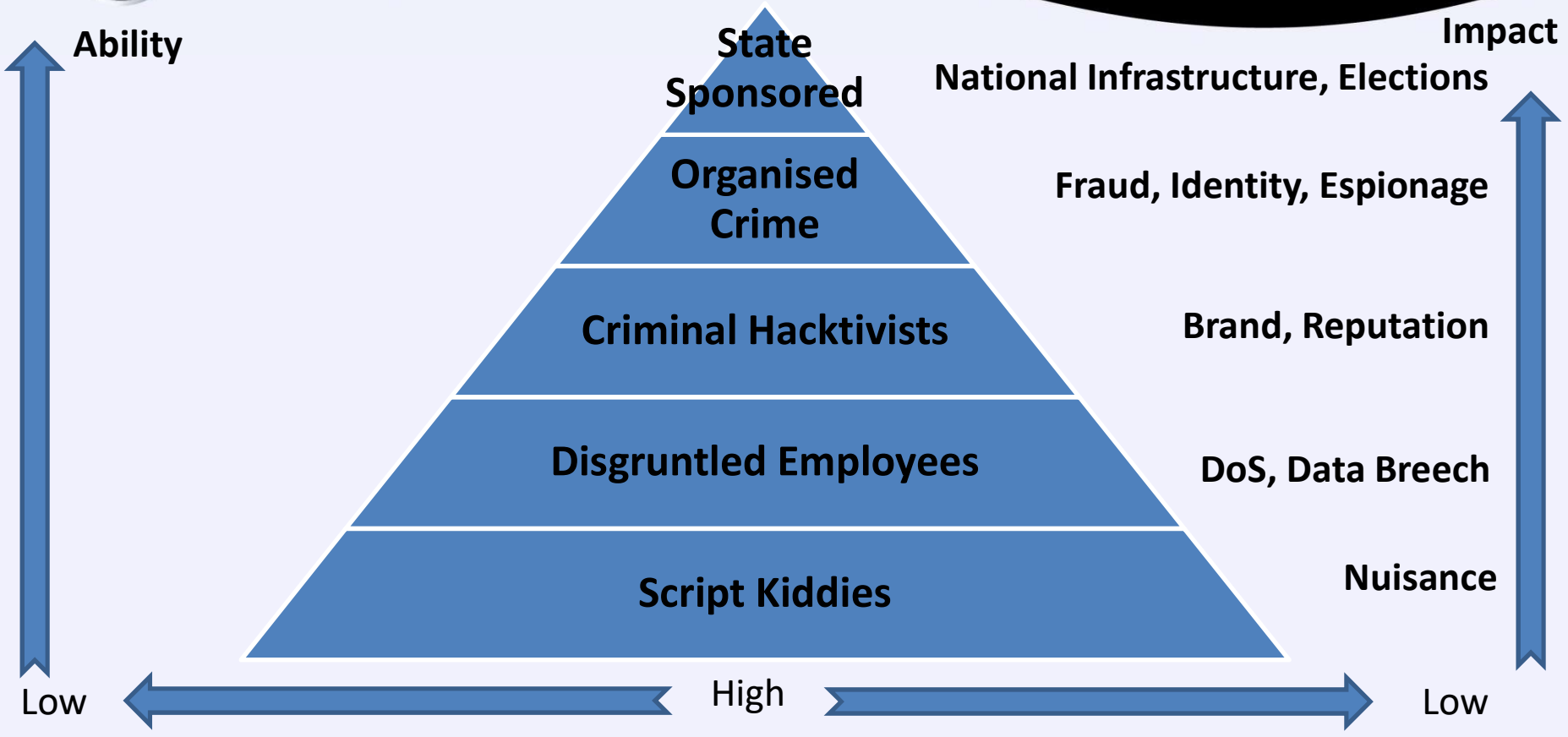

Population, Commitment, Time
Stealth, Knowledge, Funding

Scenarios 1, 2 & 3

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Let’s have some fun!

Questions?