



TIME-LAPSE IN INDUSTRY: 5 YEARS IN 40 MINUTES

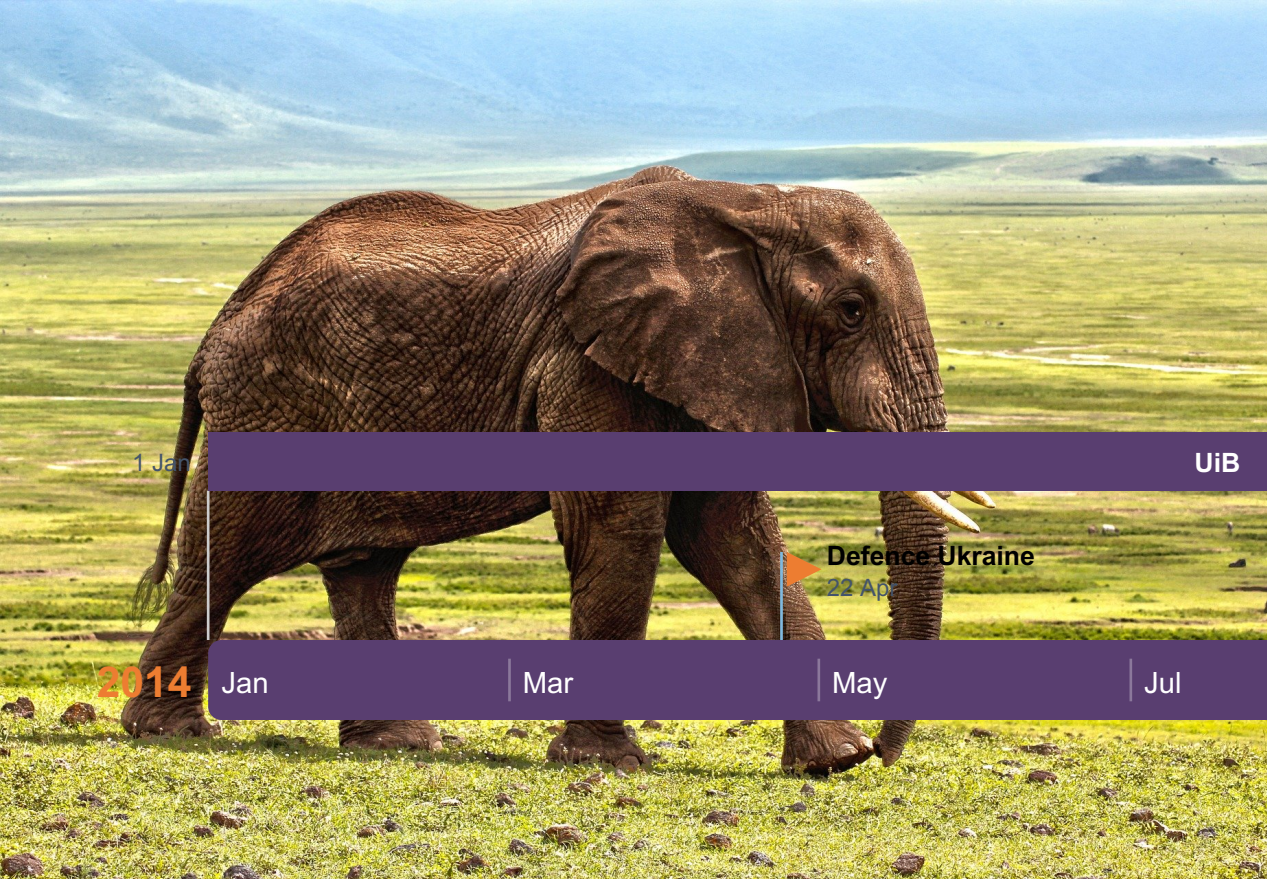
Oleksandr Kazymyrov



whoami

I received a Ph.D. degree in Information Security, and I am co-author of Ukrainian national standards for block cipher and hash function (DSTU 7624:2014 and DSTU 7564:2014). I am an expert in network security with several certifications such as CISSP, E|CEH (Certified Ethical Hacker) and E|CES (Certified Encryption Specialist). In addition, as a technical test manager / test analyst at EVRY, I have gained expertise in various areas of information security (i.e., security and risk management, network security, penetration testing, and operation of critical and security systems). My current position is Information Security Manager with the overall responsibility of information security in G2 Ocean, Grieg Star and Gearbulk.





1 Jan

UiB

31 Jan

2014

Jan

Mar

May

Jul

Sep

Nov

2015

2015

Defence Ukraine
22 Apr

Defence Norway
Dec

DEFENSE



GRADUATION

Live in EVERY



2015

2015

2016

2017

2018

2018

OWASP TOP TEN

THEN 2013

- A1 – SQL injection
- A2 – Broken Authentication and Session Management
- A3 – Cross Site Scripting (XSS)
- A4 – Insecure Direct Object references
- A5 – Security Misconfigurations
- A6 – Sensitive Data exposure
- A7 – Missing Function Level Access Control
- ⊗ A8 – Cross-Site Request Forgery (CSRF)
- ⊗ A9 – Using components with Known Vulnerabilities
- A10 – Unvalidated Redirects and Forwards



NOW 2017

- A1 – Injection
- A2 – Broken Authentication
- A3 – Sensitive Data Exposure ↑
- A4 – XML External Entities (XEE) **New!**
- A5 – Broken Access Control
- A6 – Security Misconfigurations ↓
- A7 – Cross Site Scripting (XSS)
- New!** A8 – Insecure Deserialization
- A9 – Using components with Known Vulnerabilities
- A10 – Insufficient logging and monitoring **New!**

	Applicability	Building			Building, Configuration, Deployment Assurance and Verification			Assurance and Verification	
Level 1	All apps		Secure Coding	Standards and checklists	Secure & Peer Code Review	DevSecOps	Unit and Integration Tests	Penetration Testing	DAST
Level 2	All apps	Security Architecture and Reviews	Secure Coding	Standards and checklists	Secure & Peer Code Review	DevSecOps	Unit and Integration Tests	Hybrid Reviews	SAST
Level 3	High Assurance	Security Architecture and Reviews	Secure Coding	Standards and checklists	Secure & Peer Code Review	DevSecOps	Unit and Integration Tests	Hybrid Reviews	SAST
Legend		Acceptable	Suitable						



Measure Cyber Exposure and benchmark against peers

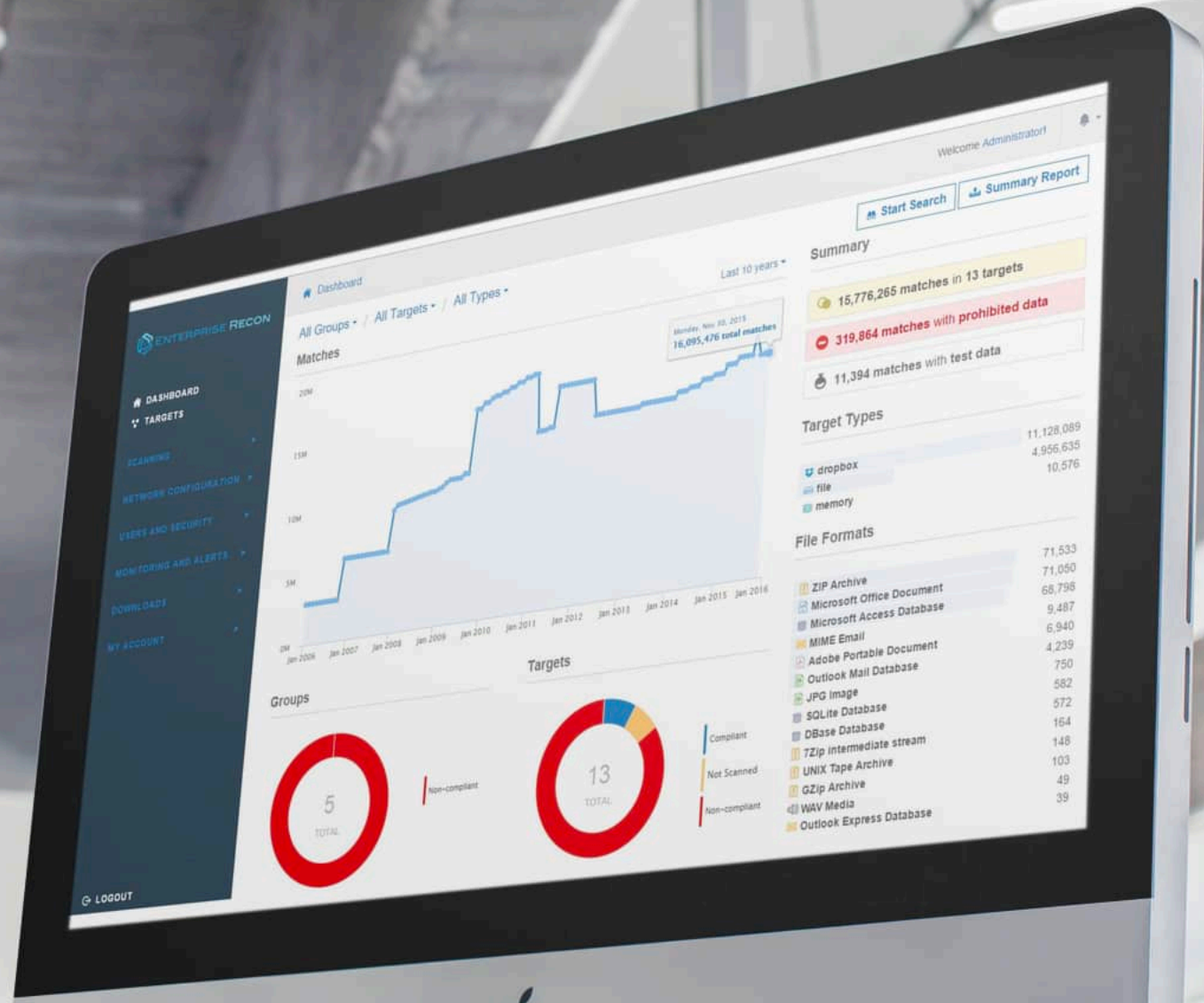


Vulnerability Management On-Prem

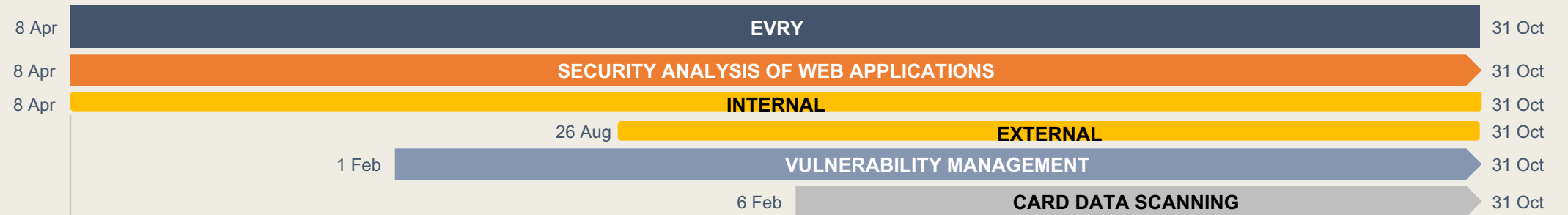


Vulnerability Management in the Cloud





Live in EVRY



2015

2015

2016

2017

2018

2018

HVOR FORNØYD ER DU MED...

Totalopplevelsen hos oss i dag



Rekkefølgen i oppsvaskområdet



Renhold av fat, bestikk, glass og brett



Hvordan vi tok i mot deg



Variasjonen i salatbaren



Kommentar

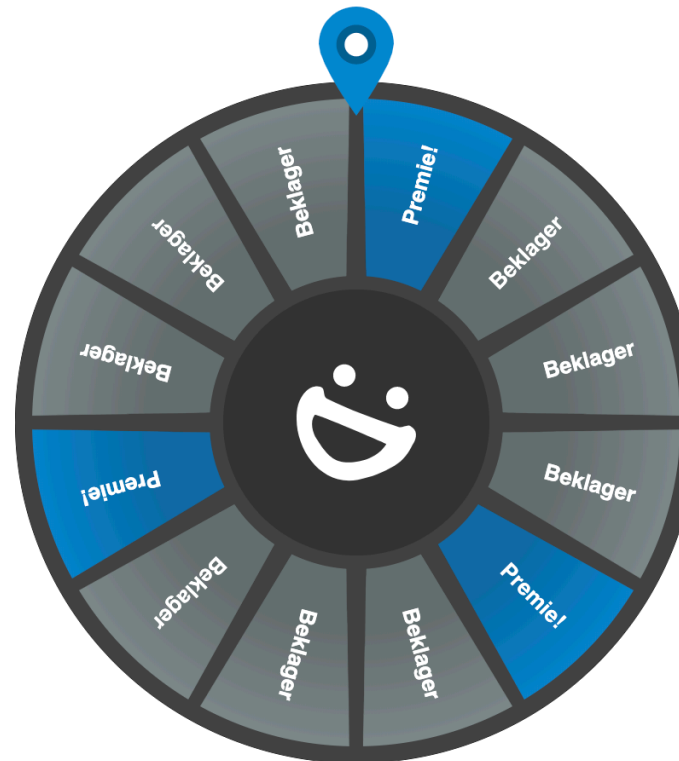
Noe annet du ønsker å fortelle oss?

Irrelevant spørsmål? Bare trykk X

SEND

Spinn & Vinn

Kontakt Restaurantlederen for premie



NEI TAKK

SPINN!



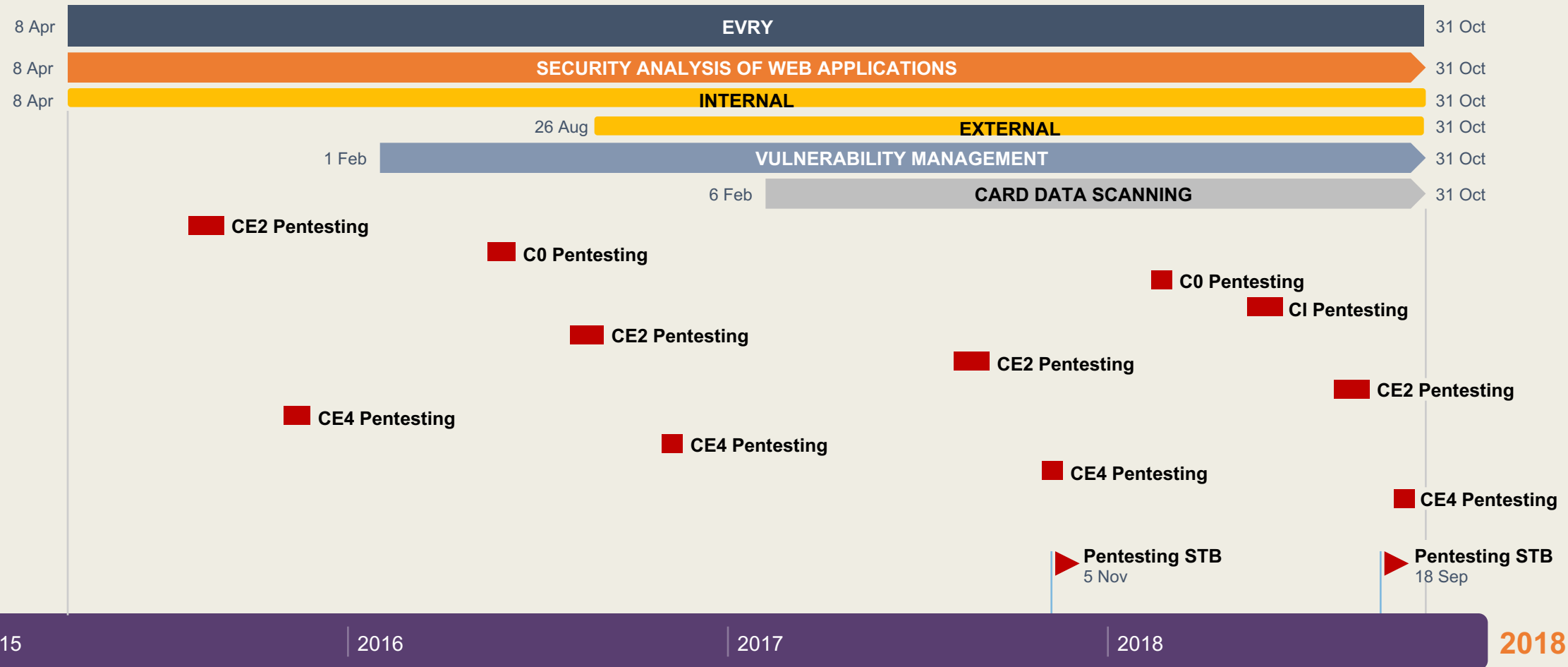


HACKED





Live in EVRY



2015

2015

2016

2017

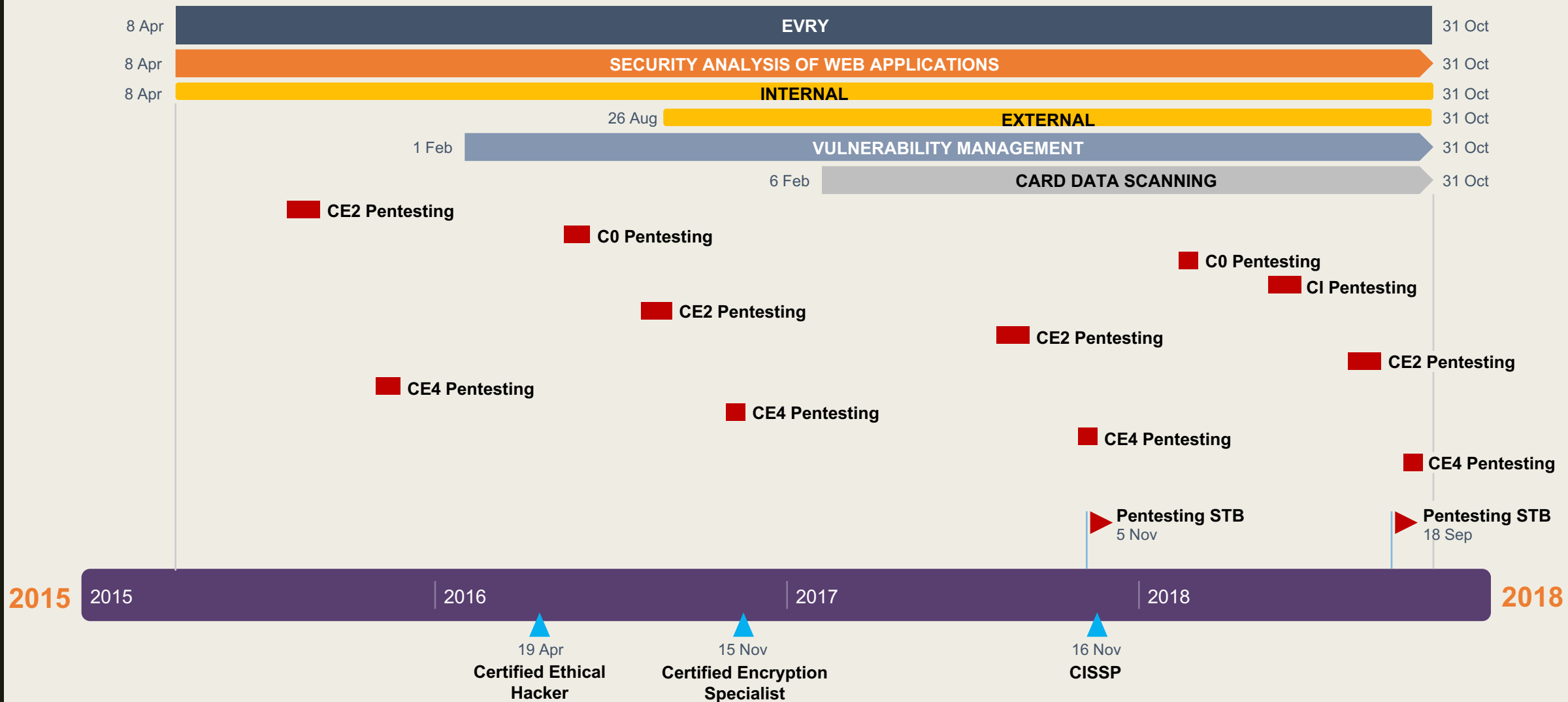
2018

2018



CERTIFICATIONS

Live in EVRY



Talks

- **EHiN 2018**

Kan krypto gjøre at hvor data lagres blir uvesentlig?

- **NDC Oslo 2018**

Getting benefits of OWASP ASVS at initial phases

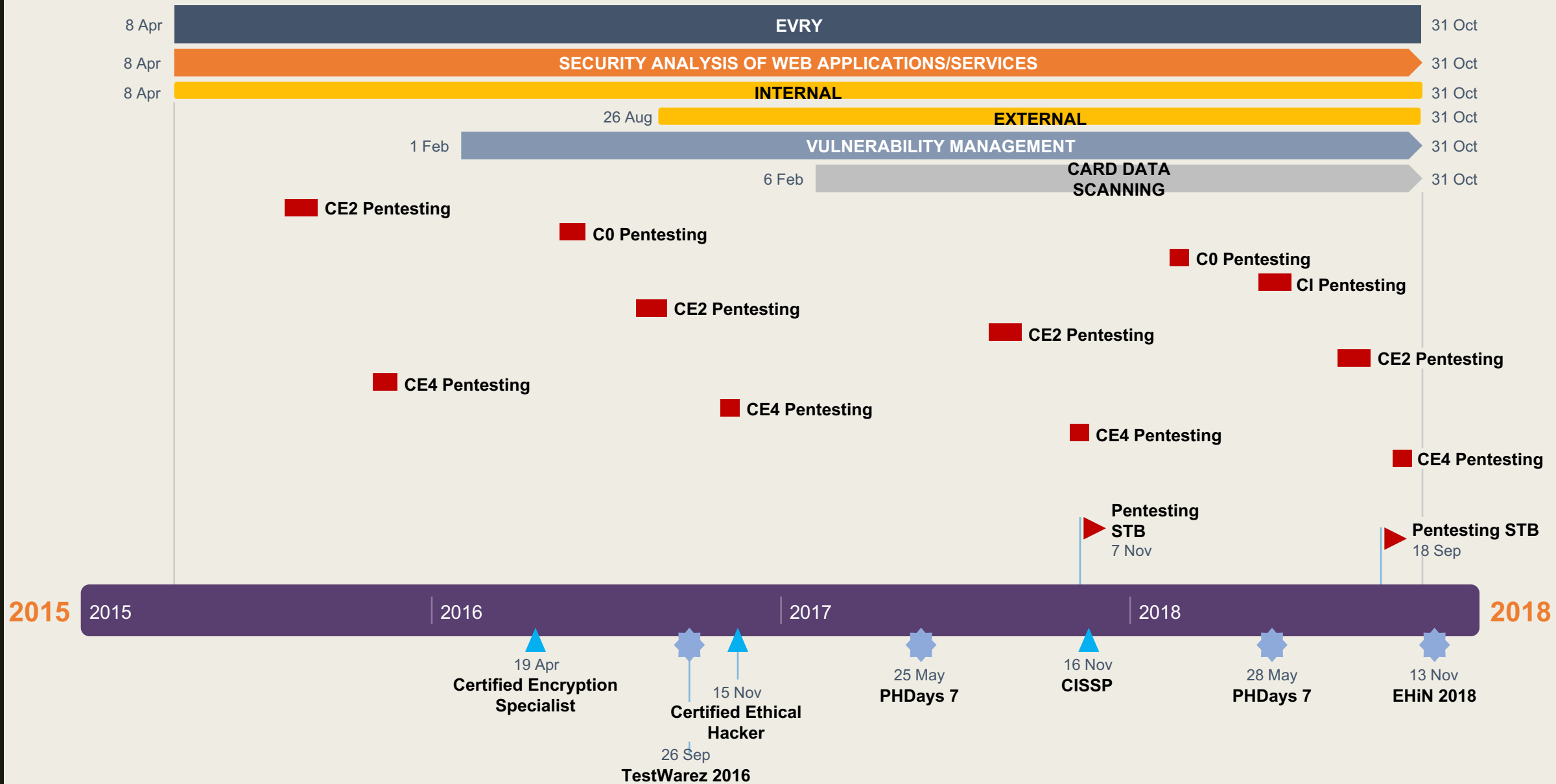
- **PHDays 7**

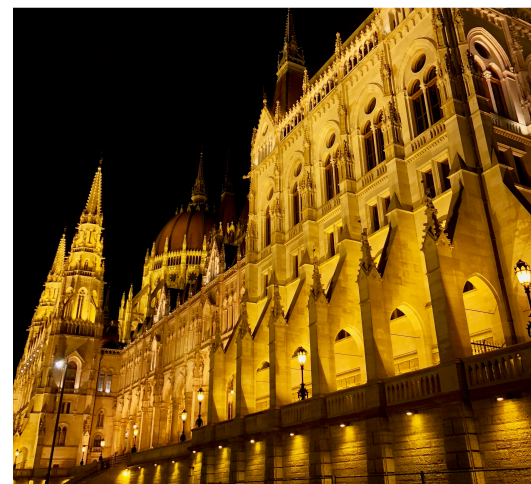
Jumping from Tenable's SecurityCenter CV to production environments

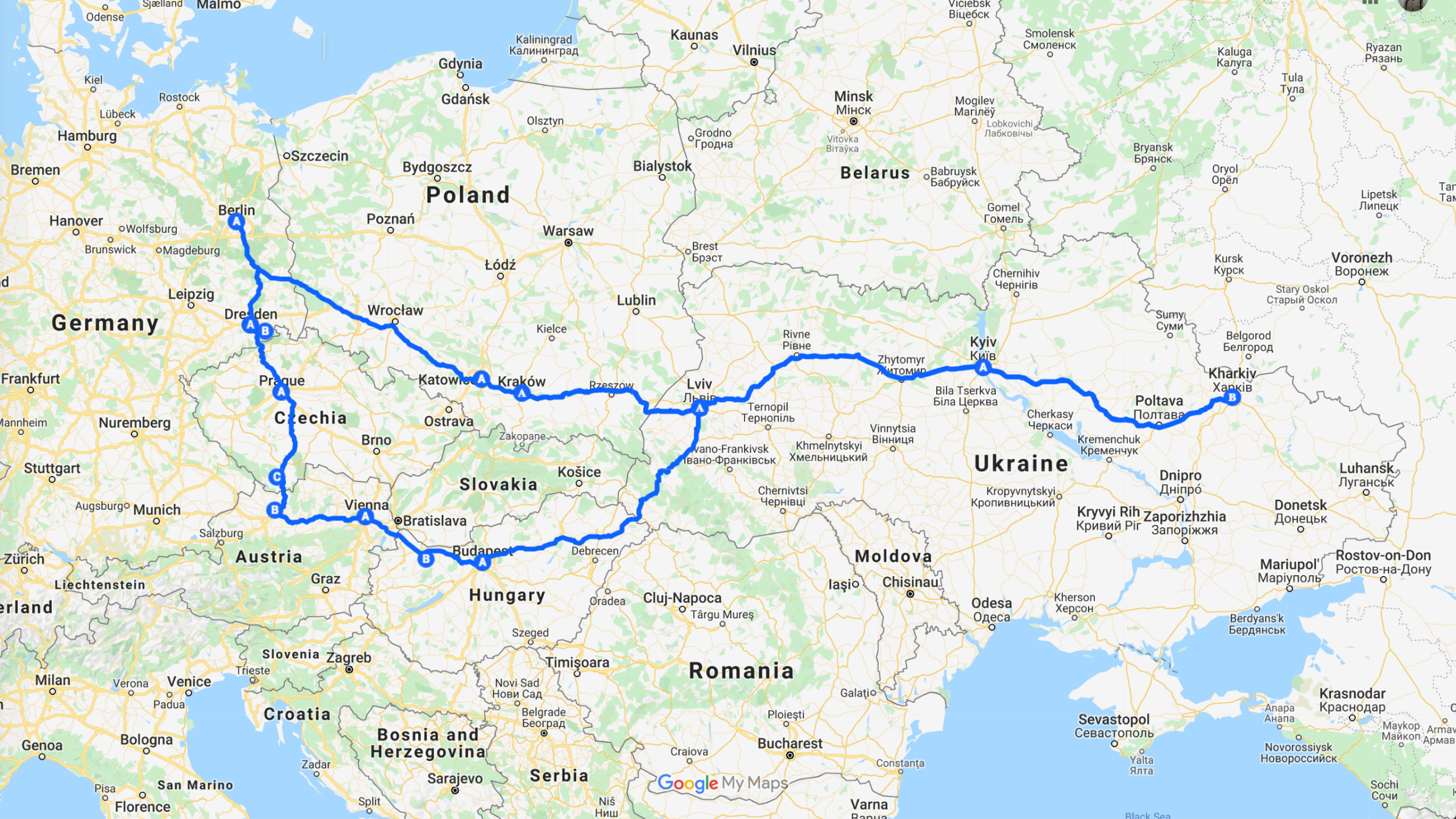
- **TestWarez 2016**

OWASP ASVS for NFTaaS in Financial Services

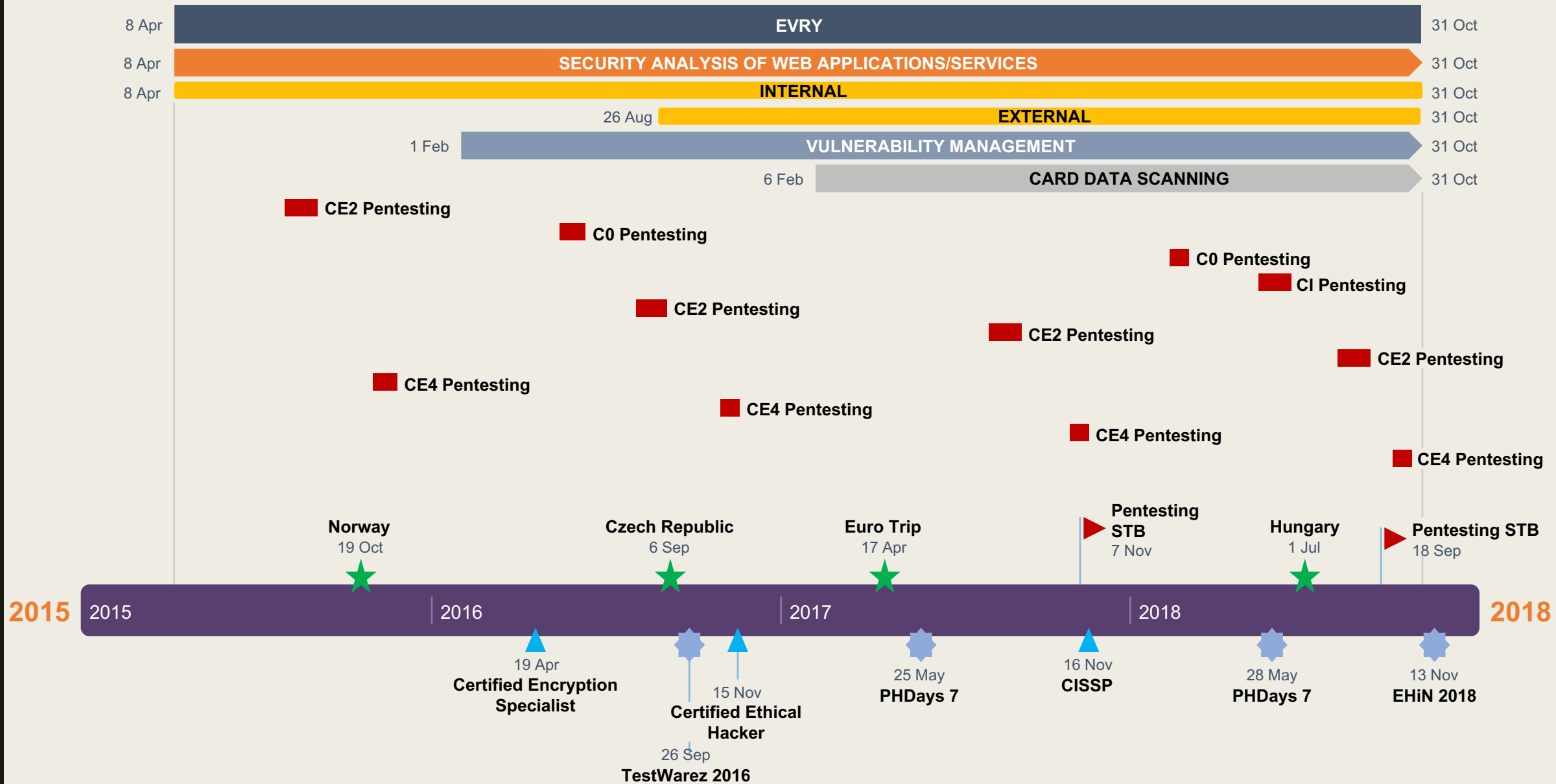
Live in EVRY







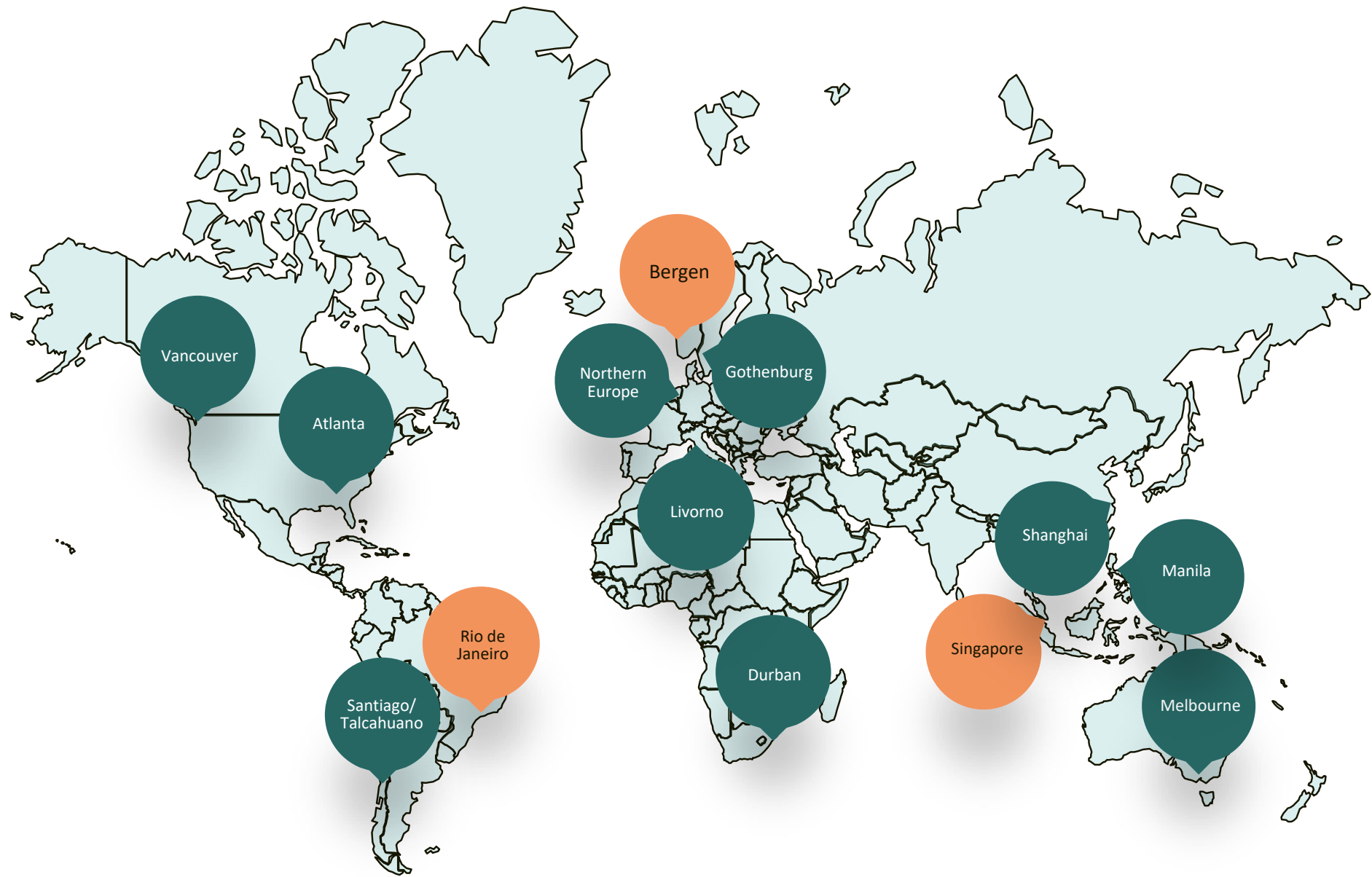
Live in EVRY



An aerial view of a large container ship, the G2 Ocean, sailing on the water. The ship has a red hull and a white superstructure. A green and yellow helicopter landing pad is visible on the deck. The ship's name "G2 OCEAN" is printed on the side. The image is framed by a white L-shaped graphic element.

G2 OCEAN

PIONEERING SUSTAINABLE SHIPPING SOLUTIONS



Vancouver

Atlanta

Santiago/
Talcahuano

Rio de
Janeiro

Northern
Europe

Bergen

Livorno

Durban

Gothenburg

Singapore

Shanghai

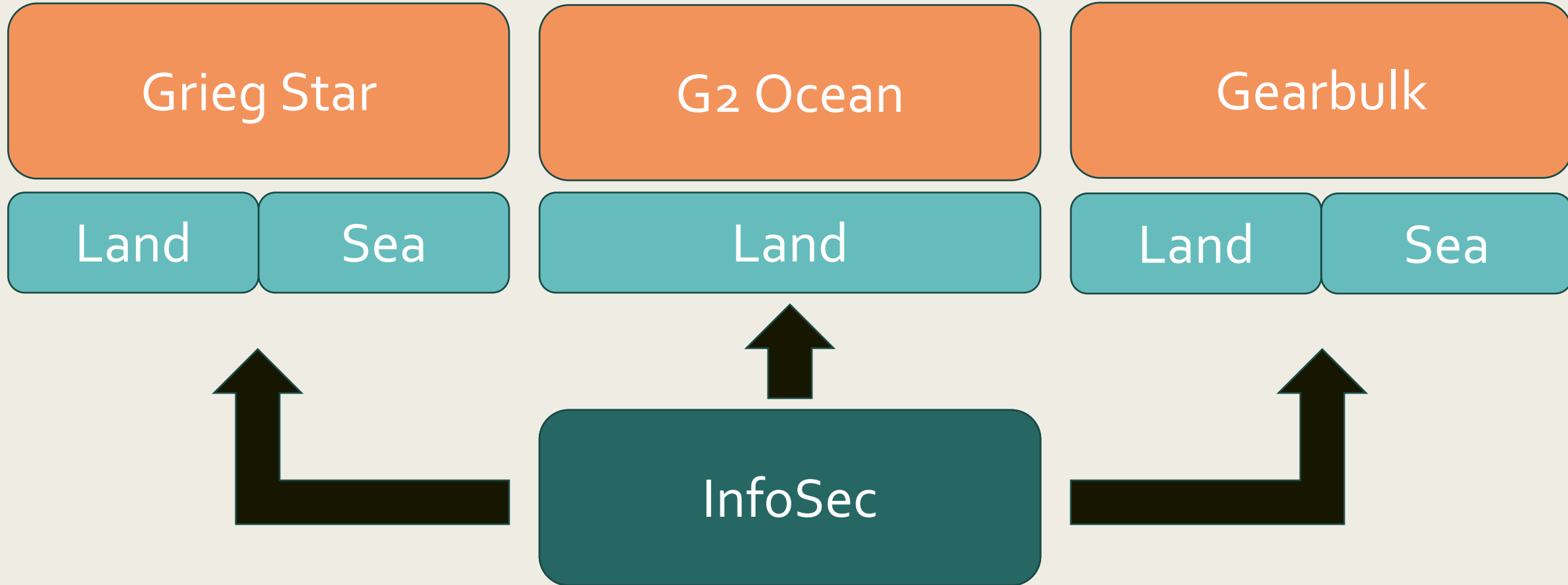
Melbourne

Manila



Unity

What is UnITy?

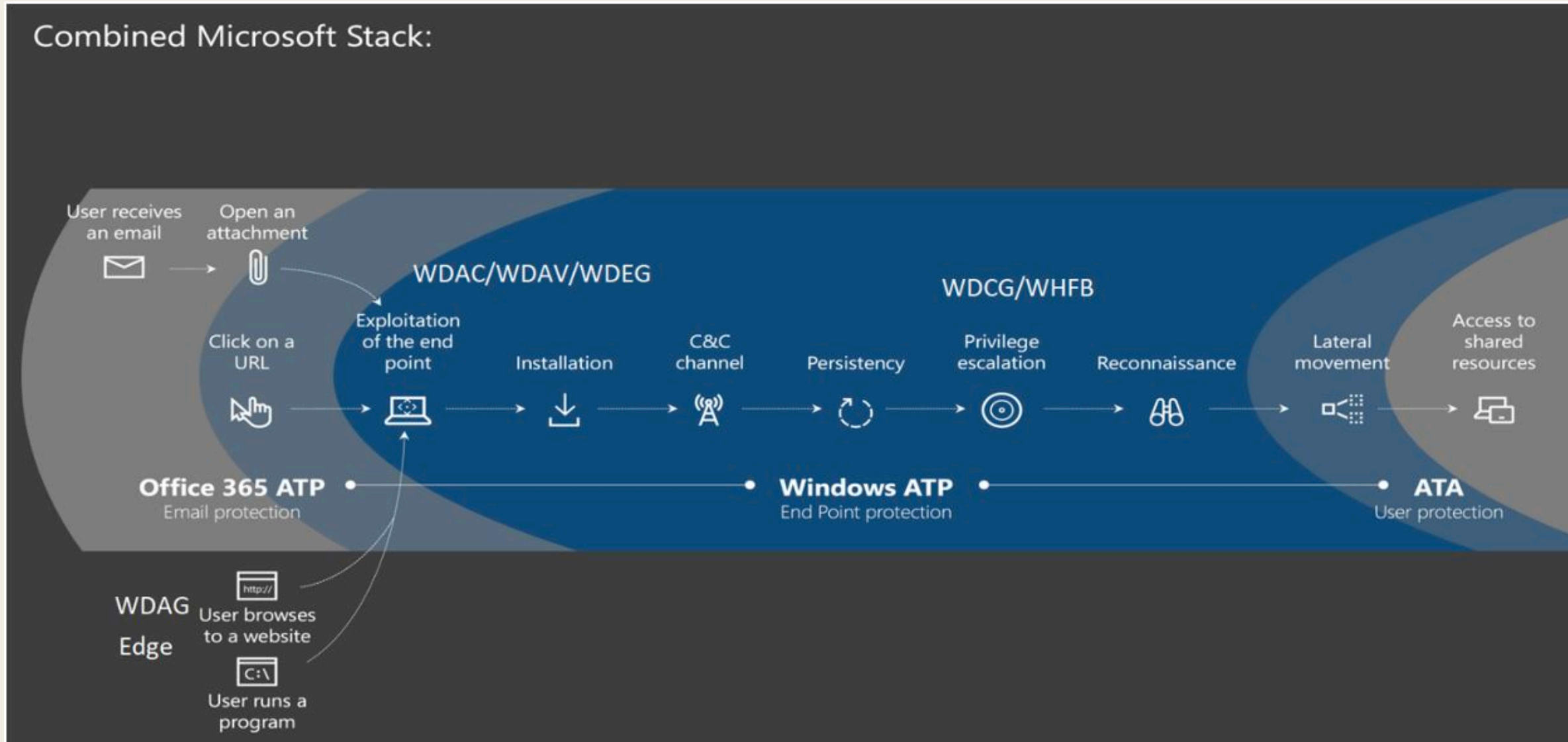


Metamorphosis

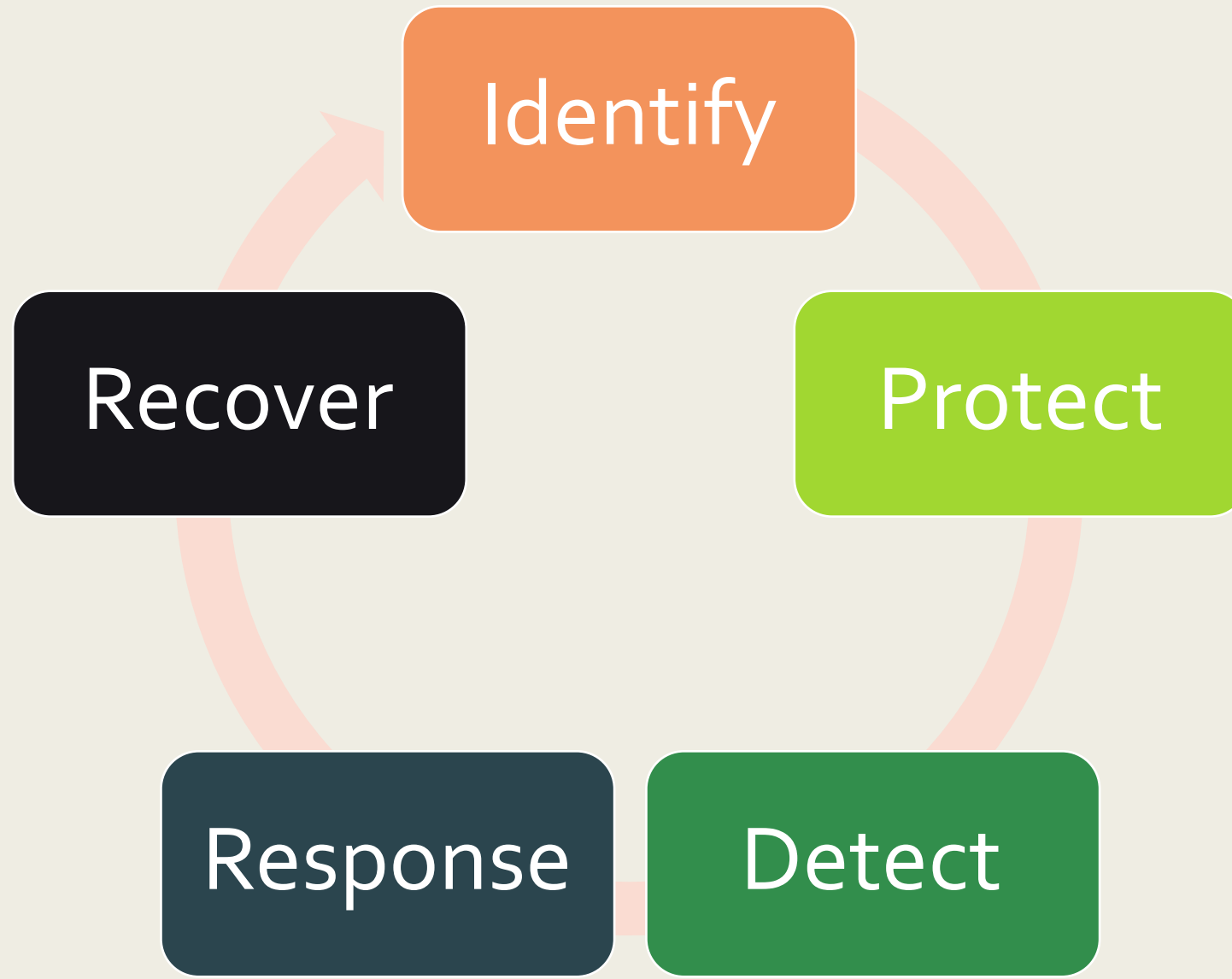


The Cyber Kill Chain

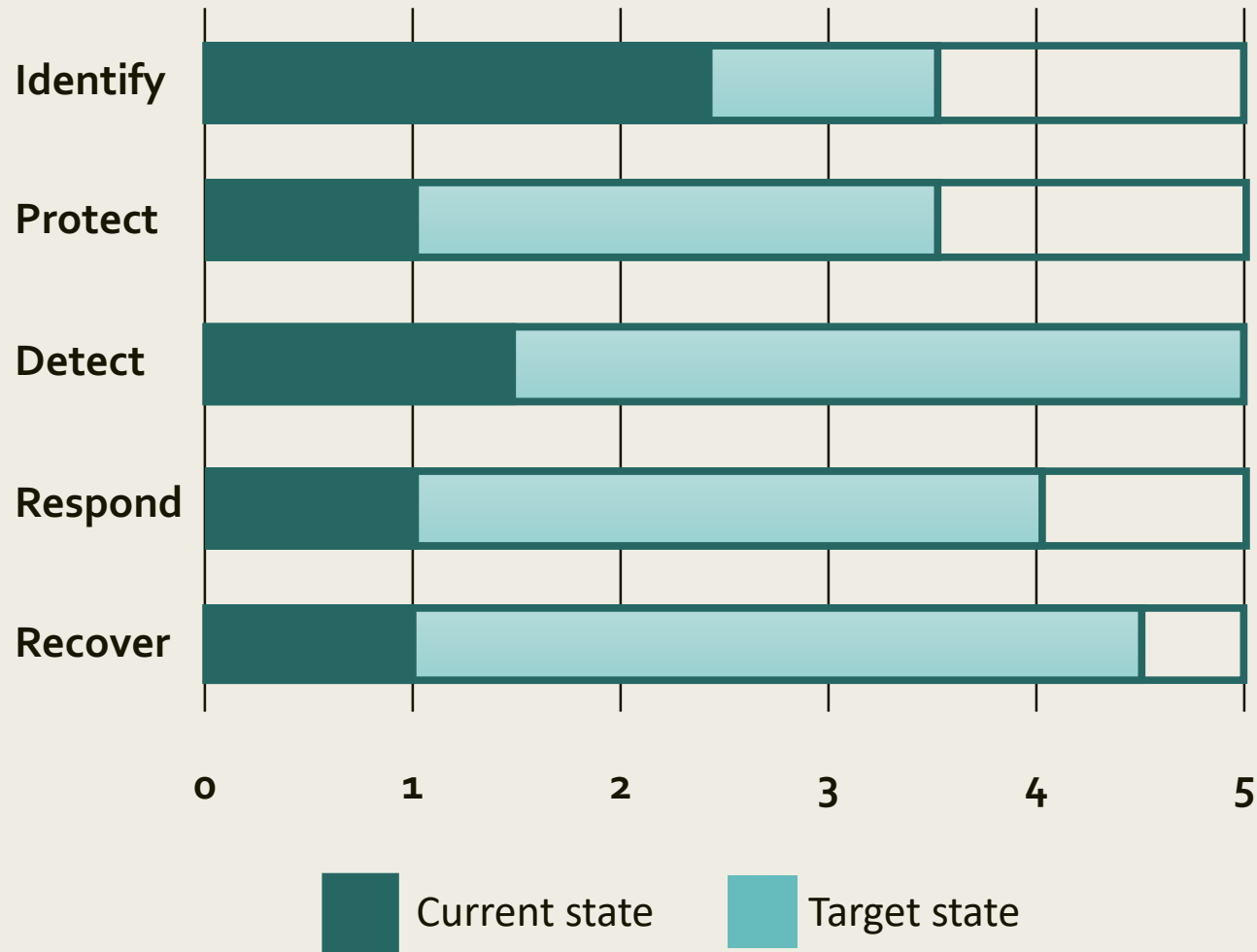
Combined Microsoft Stack:



NIST Cybersecurity Framework

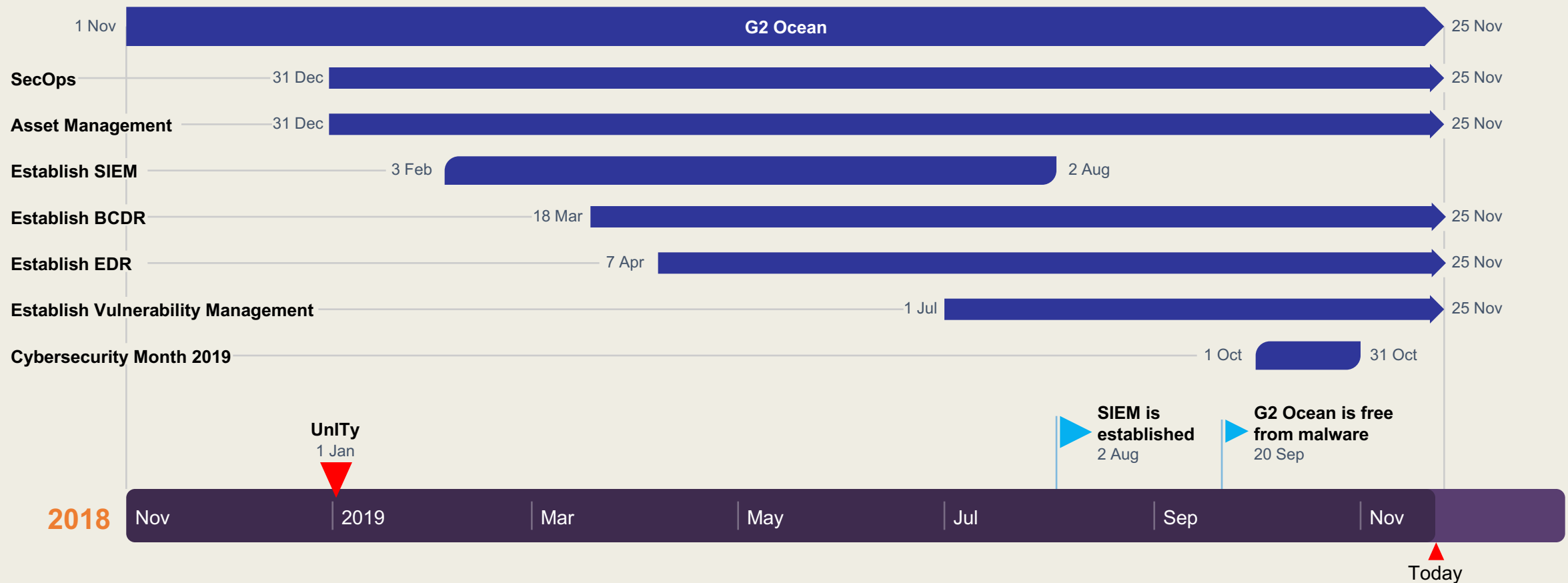


Maturity of Information Security



FUNCTION	CATEGORY	CIS CONTROL
Identify	Asset Management	CIS Control 1, 2
	Business Environment	
	Governance	
	Risk Assessment	CIS Control 3
	Risk Management Strategy	
	Supply Chain Risk Management	
Protect	Identity Management, Authentication, and Access Control	CIS Control 4, 9, 11, 12, 13, 14, 16
	Awareness and Training	CIS Control 4, 17
	Data Security	CIS Control 1, 2, 13, 14, 18
	Information Protection Processes and Procedures	CIS Control 3, 5, 7, 10, 11
	Maintenance	CIS Control 4, 12
	Protective Technology	CIS Control 4, 6, 8, 11, 13, 14, 16
Detect	Anomalies and Events	CIS Control 6, 9, 12, 19
	Security Continuous Monitoring	CIS Control 3, 8, 19
	Detection Processes	CIS Control 6
Respond	Response Planning	CIS Control 19
	Communications	CIS Control 19
	Analysis	CIS Control 3, 19
	Mitigation	CIS Control 3, 19
	Improvements	CIS Control 19
Recover	Recovery Planning	CIS Control 19
	Improvements	CIS Control 19
	Communications	CIS Control 19

Live in G2 Ocean



Security by Design

Response & Recover

**Information
Security
Services**

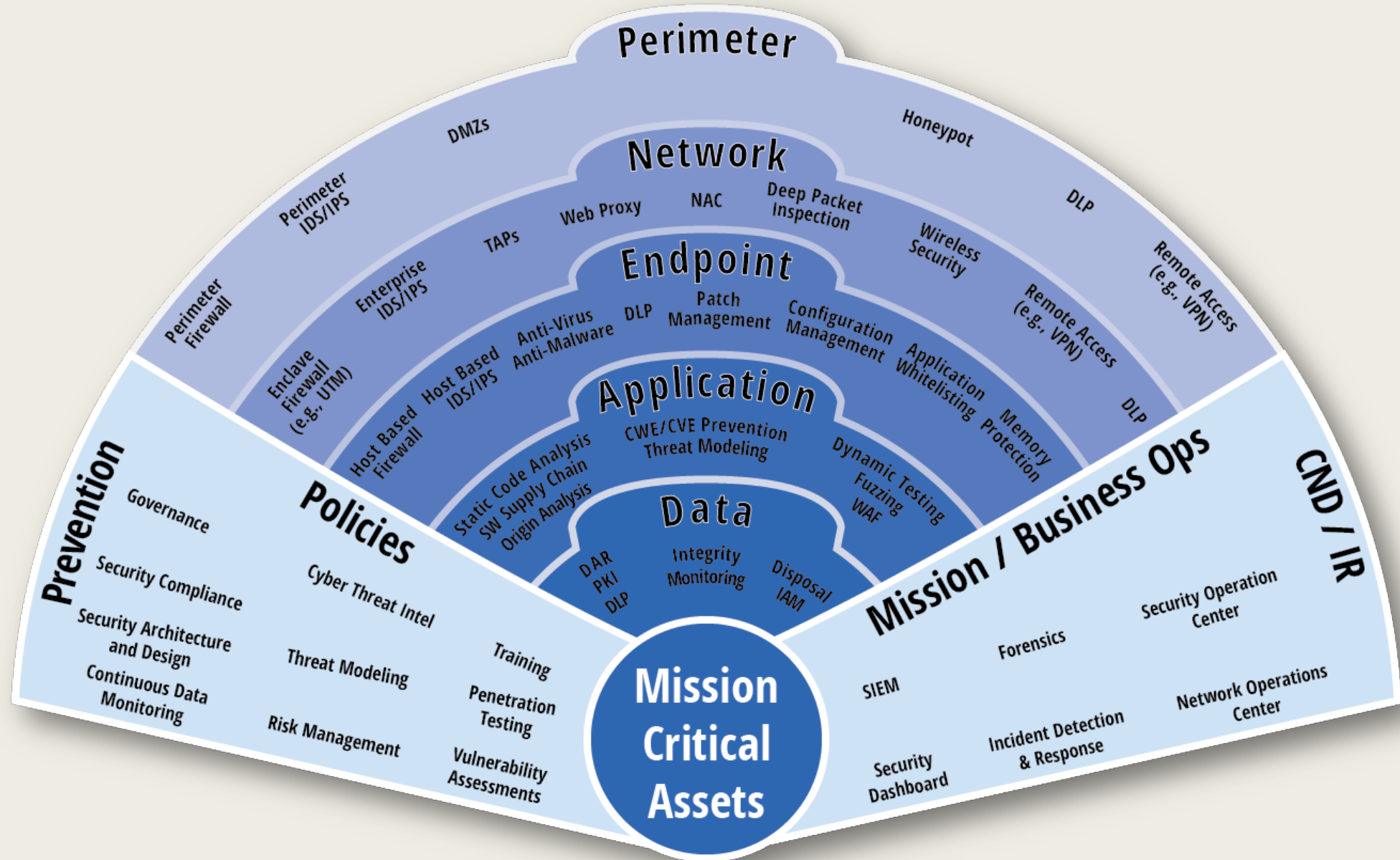
Protection & Prevention

Prediction & Detection

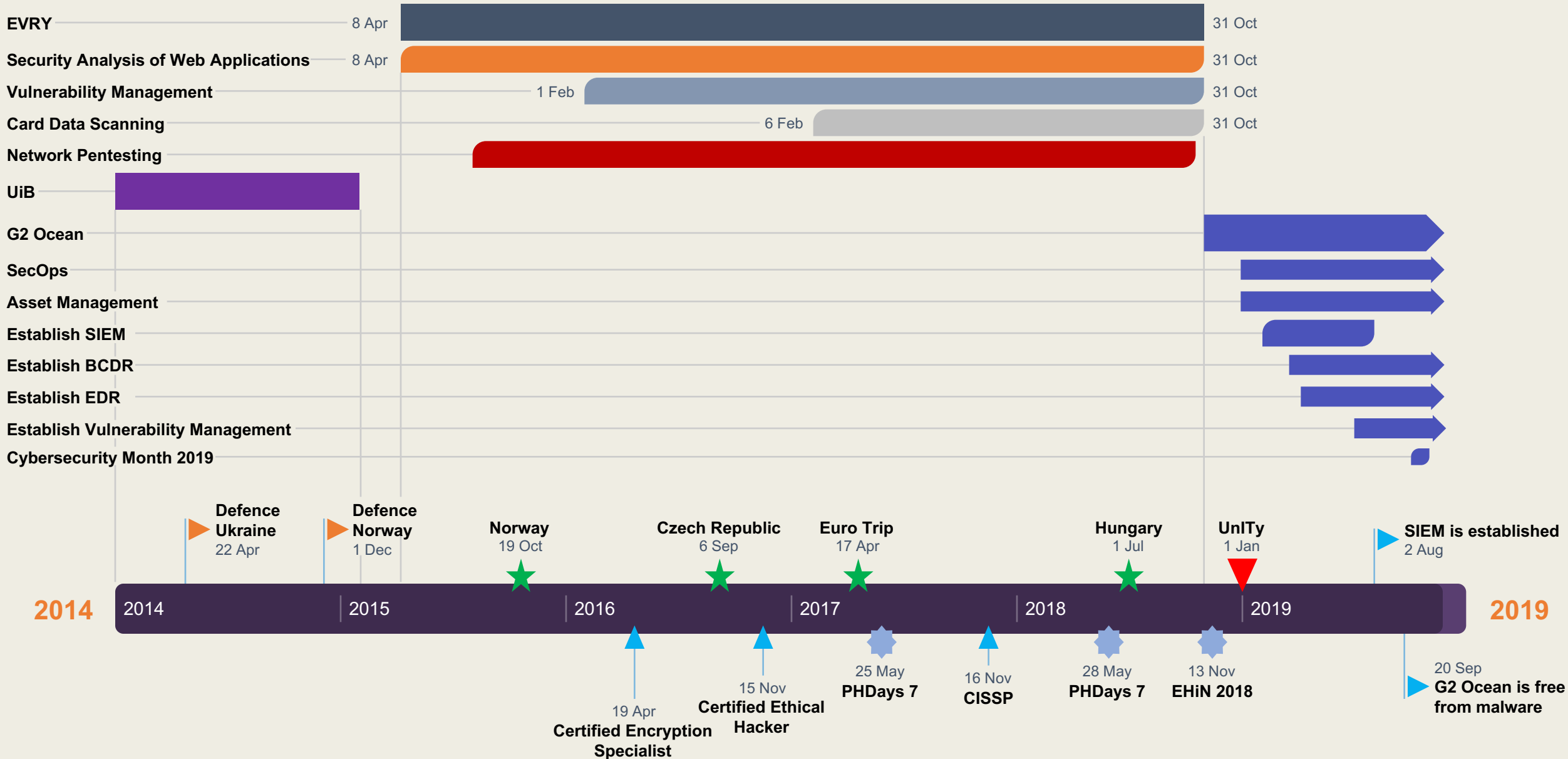
Verification & Exercise



Layered Security (Defence in Depth)



5 Years in 40 Minutes





Network & Infrastructure Security

Advanced Threat Protection, NAC, SDN, DDoS Protection, DNS Security, Network Firewall, Deception Counter, and various security solutions.

Web Security

Web Security solutions including Akamai, Cloudflare, and various web application security tools.

Endpoint Security

Endpoint Security solutions including Avast, Avira, McAfee, and Symantec.

Application Security

Application Security solutions including WAF & Application Security, and various security testing tools.

MSSP

MSSP solutions including Traditional MSSP and Advanced MSS & MDR.

Data Security

Data Security solutions including Encryption, DLP, and Data Privacy.

Mobile Security

Mobile Security solutions including BlackBerry, and various mobile security tools.

Risk & Compliance

Risk & Compliance solutions including Risk Assessment & Visibility, Security Ratings, and Pen Testing & Breach Simulation.

Security Ops & Incident Response

Security Ops & Incident Response solutions including SIEM, Incident Response, and various security tools.

Threat Intelligence

Threat Intelligence solutions including 4iQ, ANOMALI, and various threat intelligence tools.

IoT

IoT solutions including IoT Devices, Automotive, and Connected Home.

Messaging Security

Messaging Security solutions including AGARI, AREA 1, and various messaging security tools.

Identity & Access Management

Identity & Access Management solutions including Authentication, Privileged Management, and Identity Governance.

Security Analytics

Security Analytics solutions including AWAKE, Bay Dynamics, and various security analytics tools.

Digital Risk Management

Digital Risk Management solutions including OGD, crisp, and various digital risk management tools.

Blockchain

Blockchain solutions including BLOCK ARMOUR, Chain, and various blockchain security tools.

Security Consulting & Services

Security Consulting & Services solutions including accenture, DAPTURE, and various consulting firms.

Fraud & Transaction Security

Fraud & Transaction Security solutions including AU-TIX, BIOATCH, and various fraud prevention tools.

Cloud Security

Cloud Security solutions including Container, Infrastructure, and CASB.