

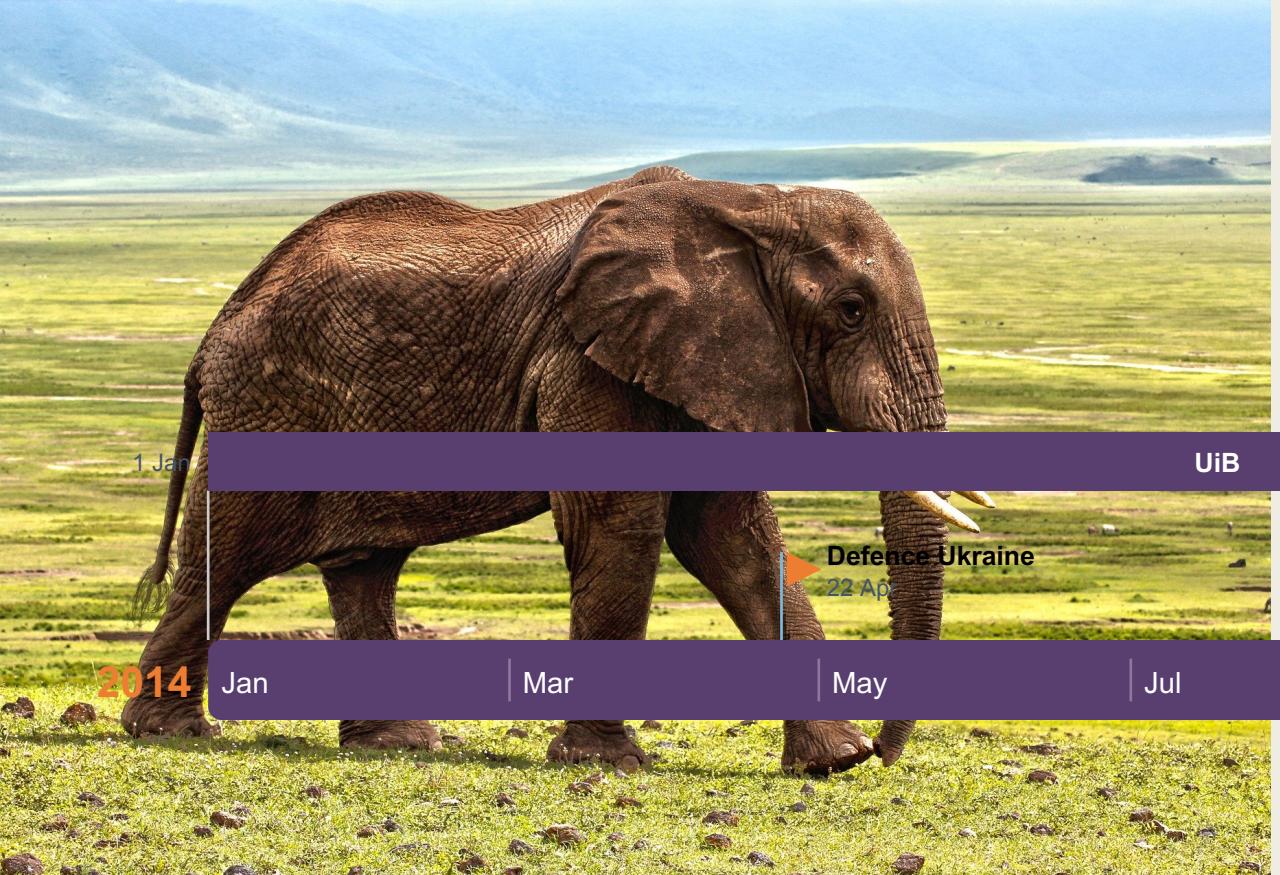
# TIME-LAPSE IN INDUSTRY: 5 YEARS IN 40 MINUTES

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

Defence Ukraine  
22 Apr

2014

Jan

Mar

May

Jul

Sep

Nov

2015

2015

DEFENSE



# GRADUATION

# Live in EVRY



# 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 (XXE)
- A5 – Broken Access Control**
- A6 – Security Misconfigurations
- A7 – Cross Site Scripting (XSS)**
- A8 – Insecure Deserialization
- A9 – Using components with Known Vulnerabilities
- A10 – Insufficient logging and monitoring



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





Welcome Administrator

Last 10 years

Monday, Nov 02, 2015  
16,095,476 total matches

Start Search | Summary Report

**Summary**

- 15,776,265 matches in 13 targets
- 319,864 matches with prohibited data
- 11,394 matches with test data

**Target Types**

Target Type	Count
dropbox	11,128,089
file	4,956,635
memory	10,576

**File Formats**

File Format	Count
ZIP Archive	71,533
Microsoft Office Document	71,050
Microsoft Access Database	68,798
MIME Email	9,487
Adobe Portable Document	6,940
Outlook Mail Database	4,239
JPG Image	750
SQLite Database	582
DBase Database	572
7Zip intermediate stream	164
UNIX Tape Archive	148
GZip Archive	103
WAV Media	49
Outlook Express Database	39

Dashboard | All Groups | All Targets | All Types

Targets

Groups

5 TOTAL

13 TOTAL

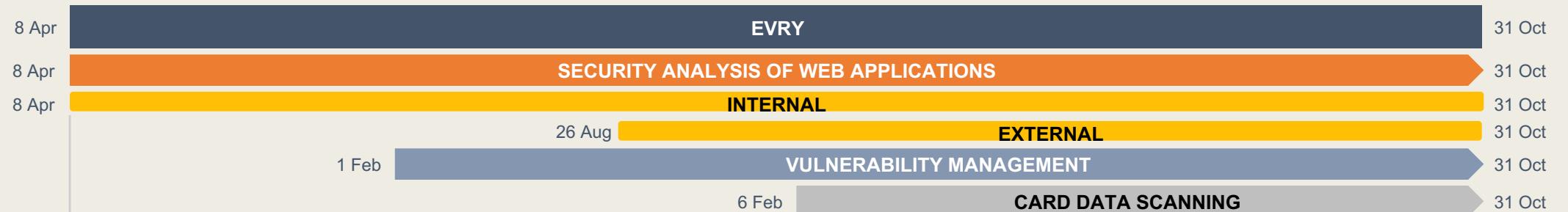
Compliant

Not Scanned

Non-compliant

Logout

# 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?

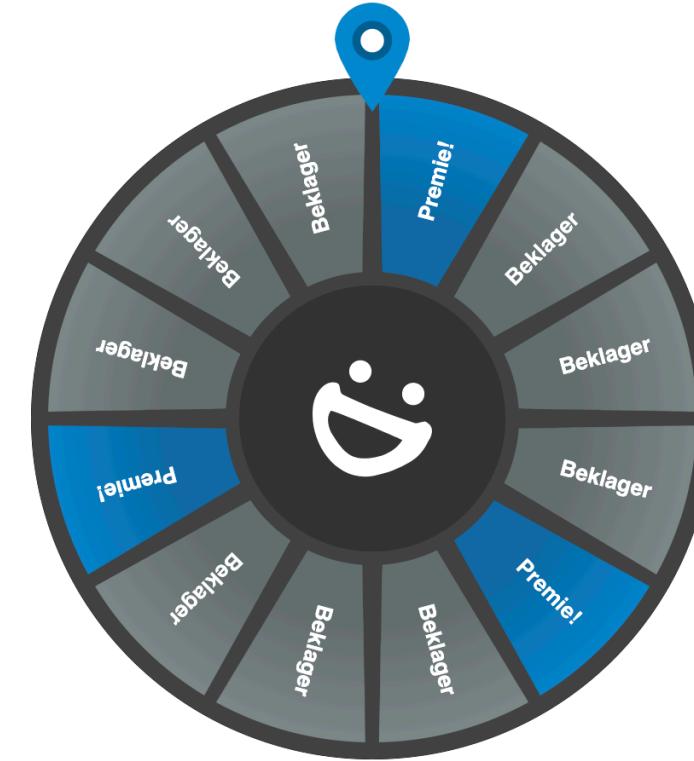
Irrelevant spørsmål? Bare trykk

**SEND**



**Spinn & Vinn**

Kontakt Restaurantlederen for premie



**NEI TAKK**

**SPINN!**

denial of service  
financial institutions  
cipherspace  
anonymous  
adwares  
porn  
trojan  
bitcoin  
dark web  
servers  
corporations  
internet  
remote administration tools  
backdoor  
wikileaks  
ssl  
government  
root  
data  
spoofing  
data dump  
keylogger  
antivirus  
blackhat  
whitehat  
database  
firewall  
worms  
script kids  
stuxnet  
encryption  
warez  
malwares  
distributed denial of service  
defacement  
surveillance  
world wide web  
activism  
access  
activism



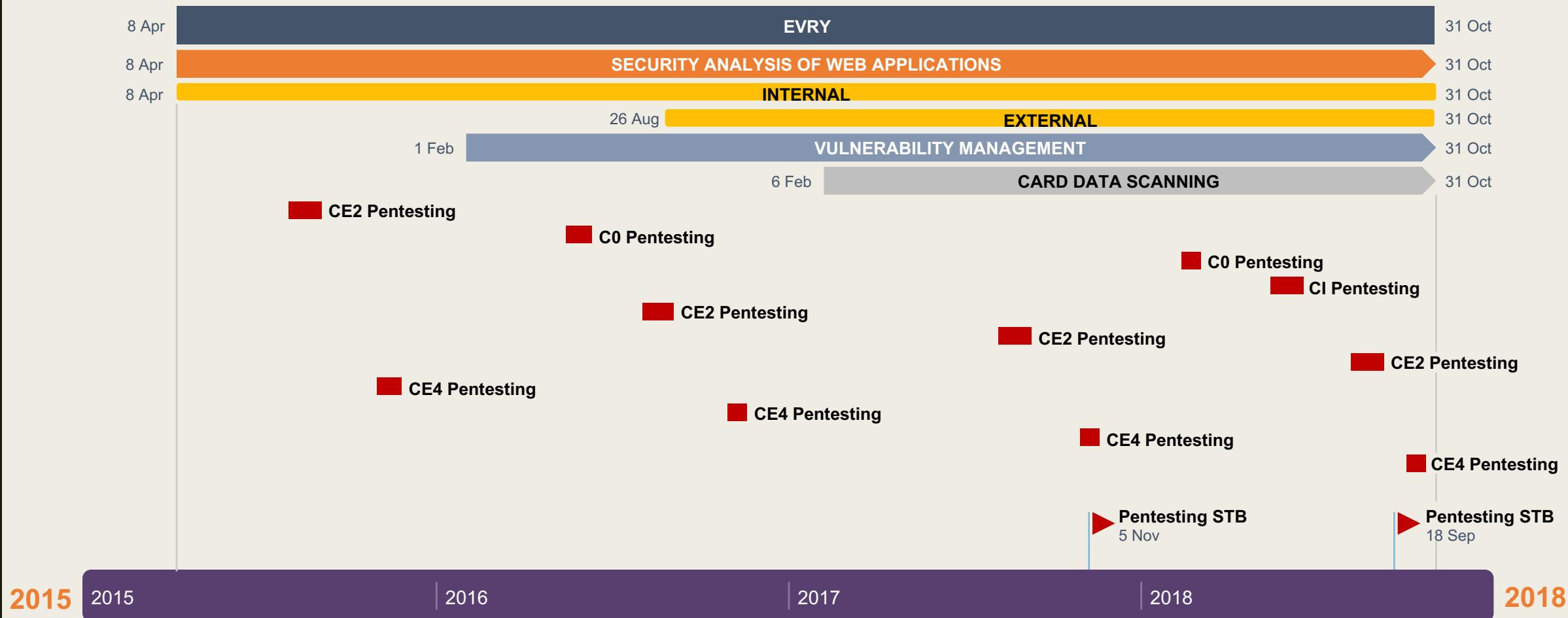








# Live in EVRY



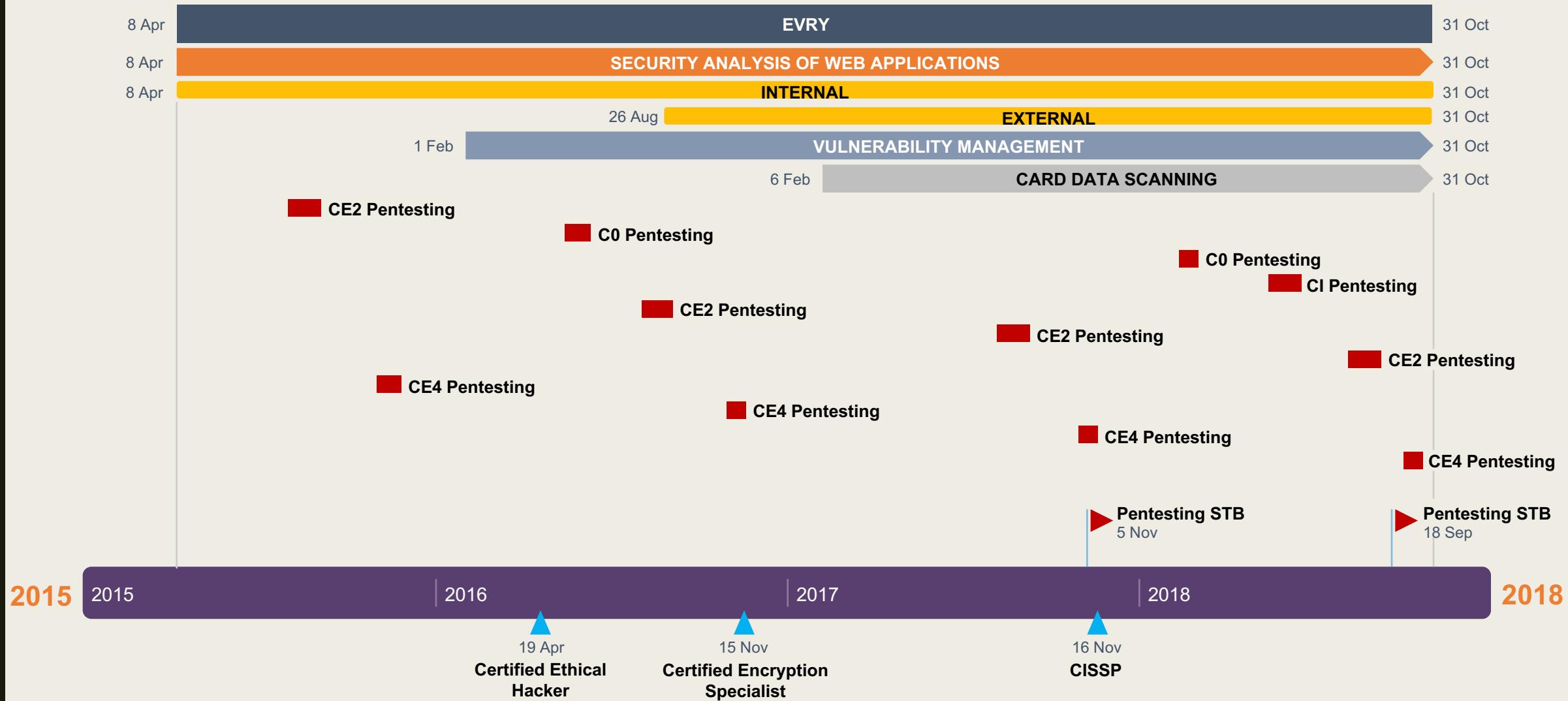


TM



# 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*

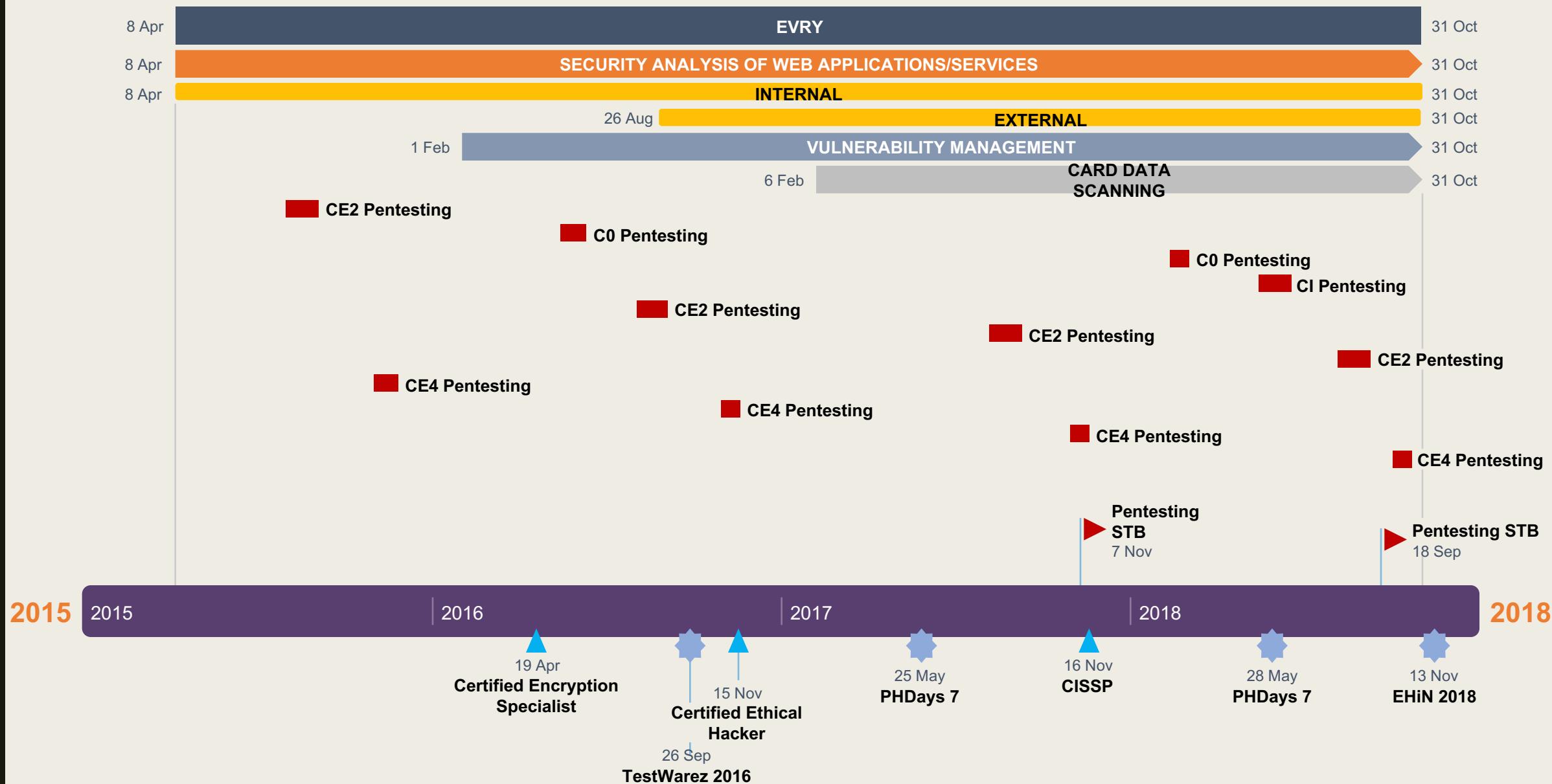
- **PHDays 7**

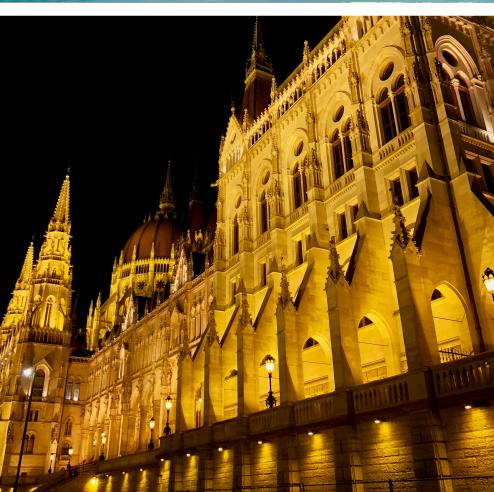
*Jumping from Tenable's SecurityCenter CV to production environments*

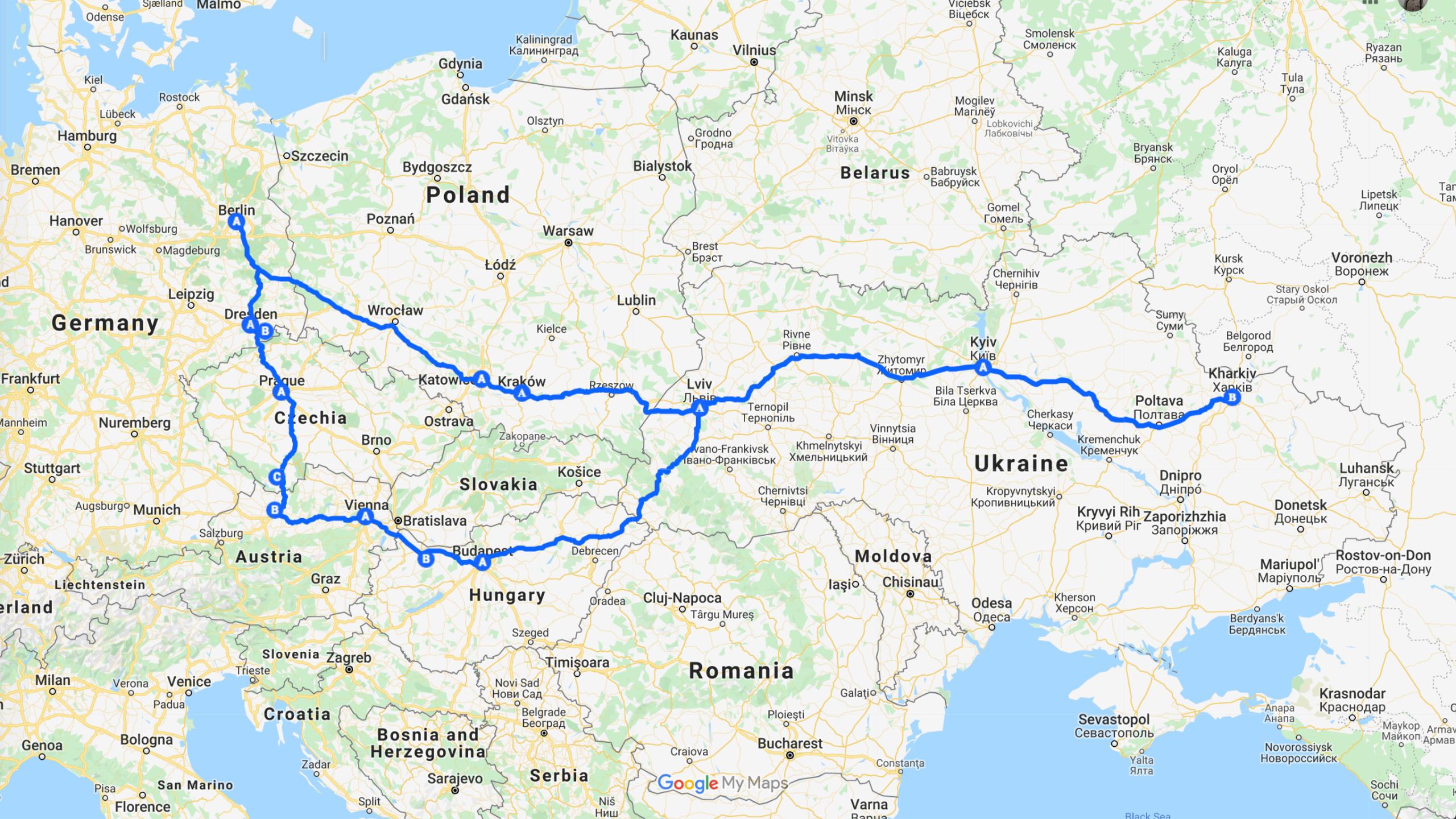
- **TestWarez 2016**

*OWASP ASVS for NFTaaS in Financial Services*

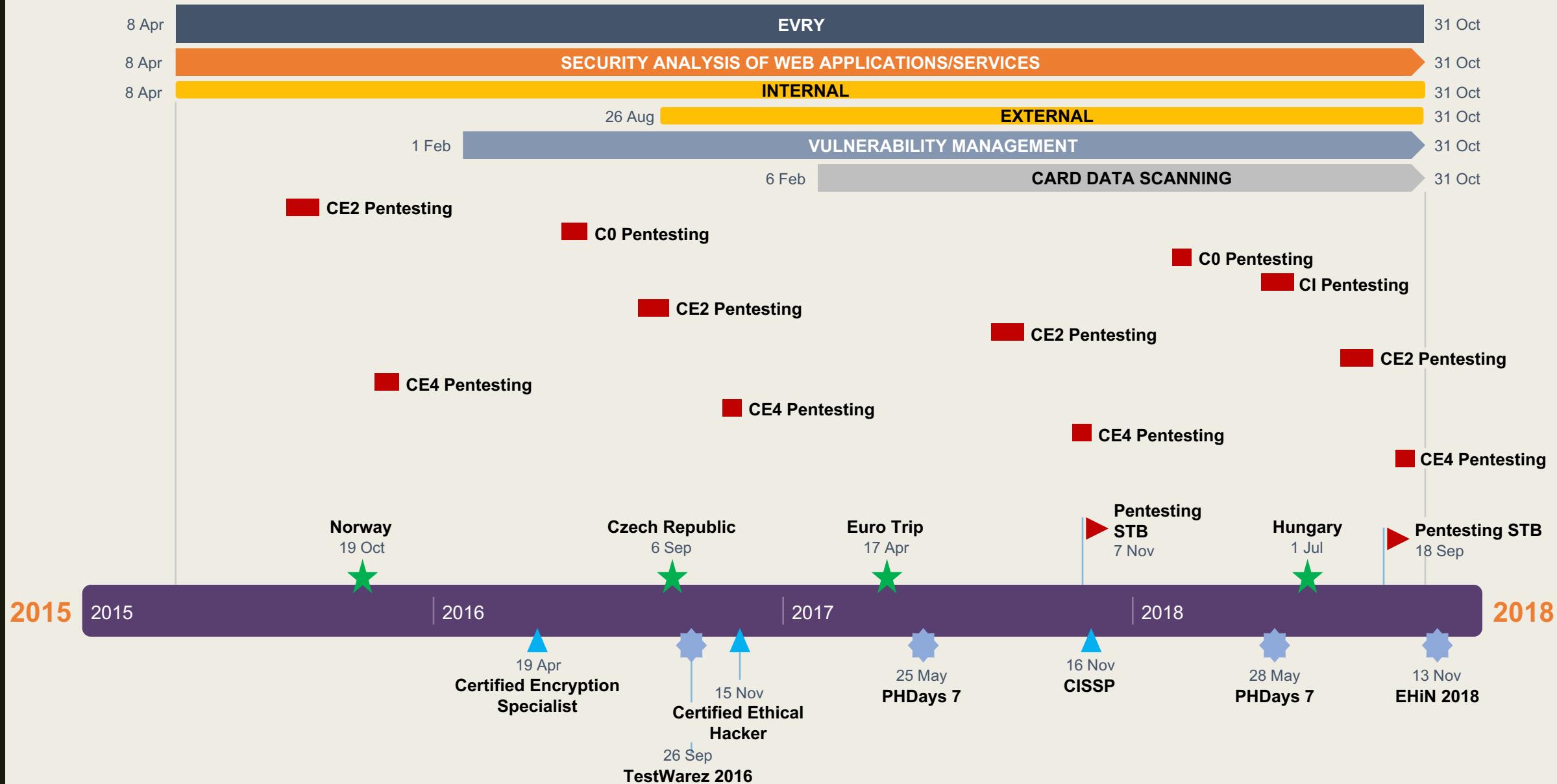
# Live in EVRY







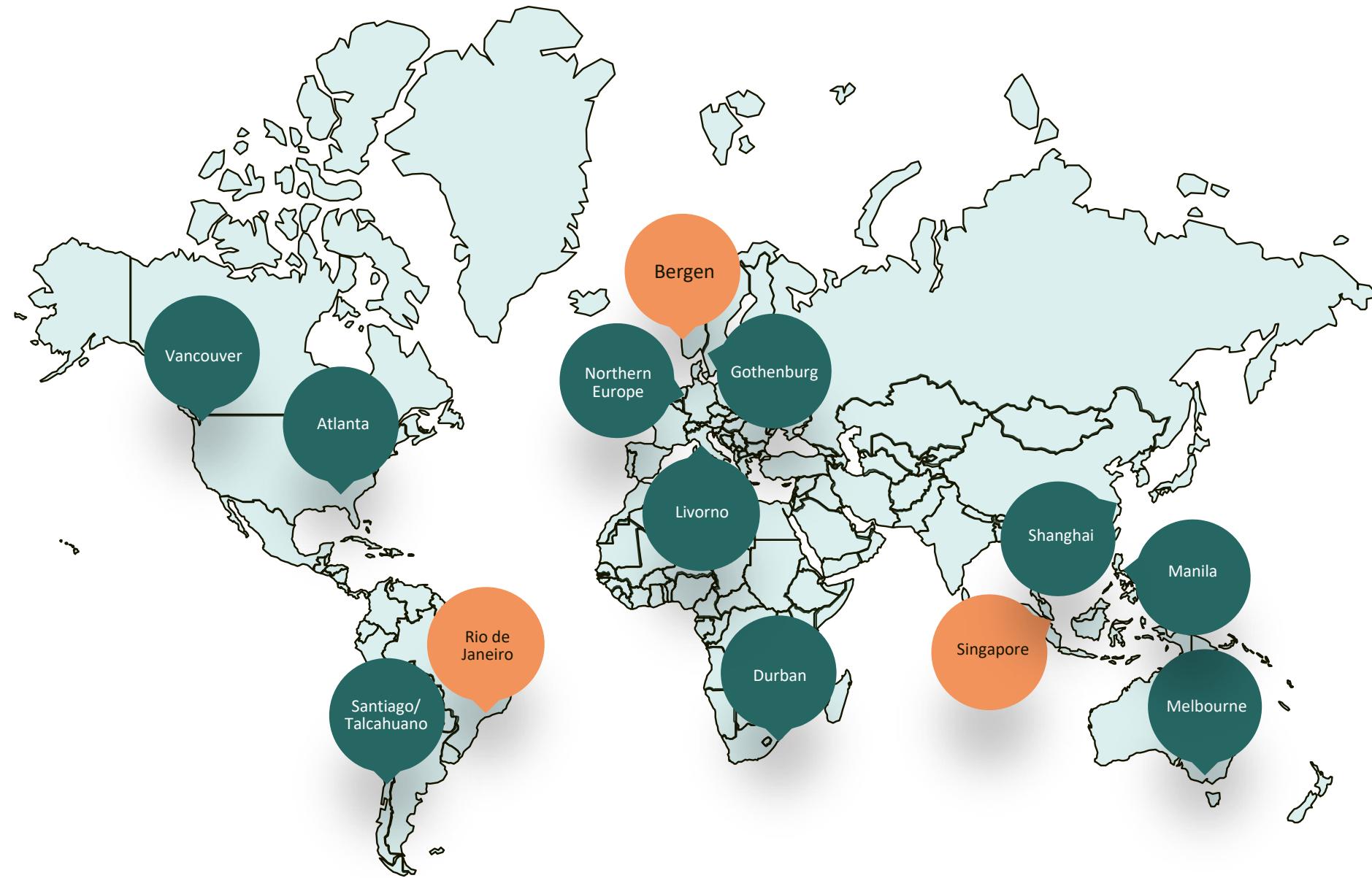
# Live in EVRY





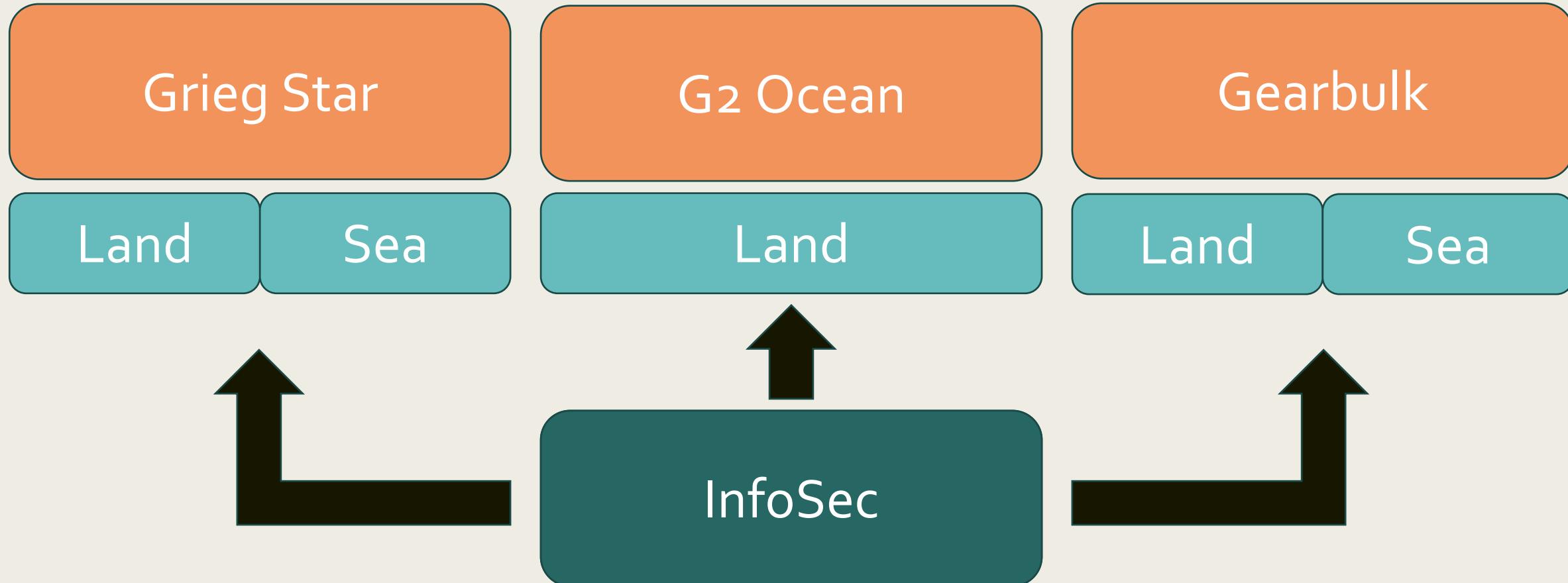
# G2 OCEAN

PIONEERING SUSTAINABLE SHIPPING SOLUTIONS

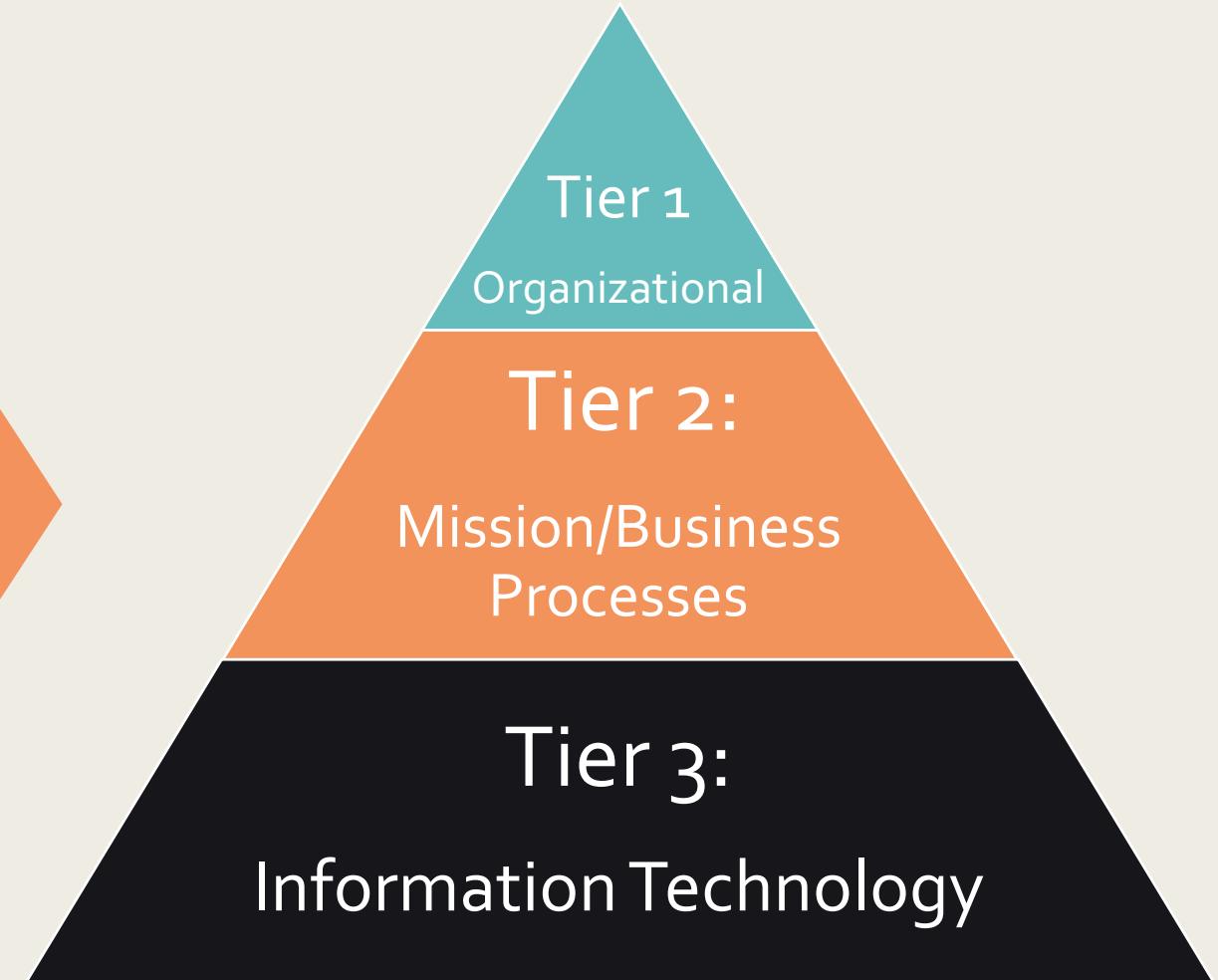


unity

# What is UnIty?

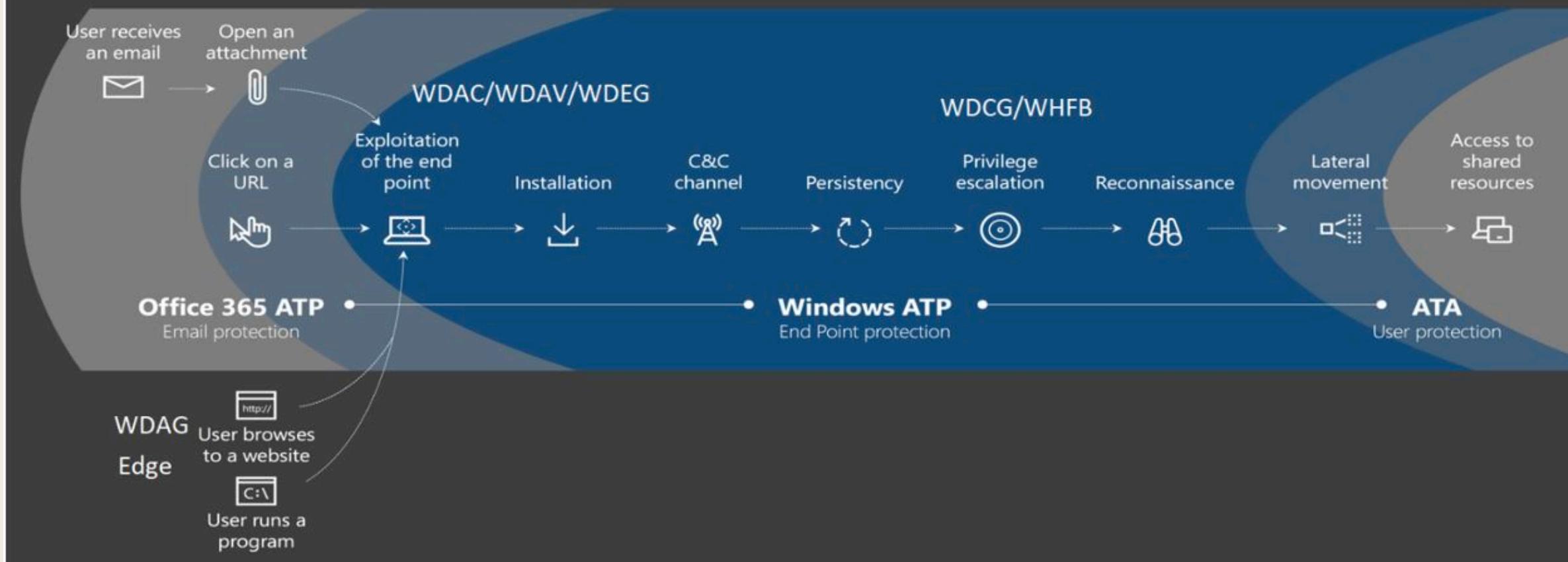


# Metamorphosis



# The Cyber Kill Chain

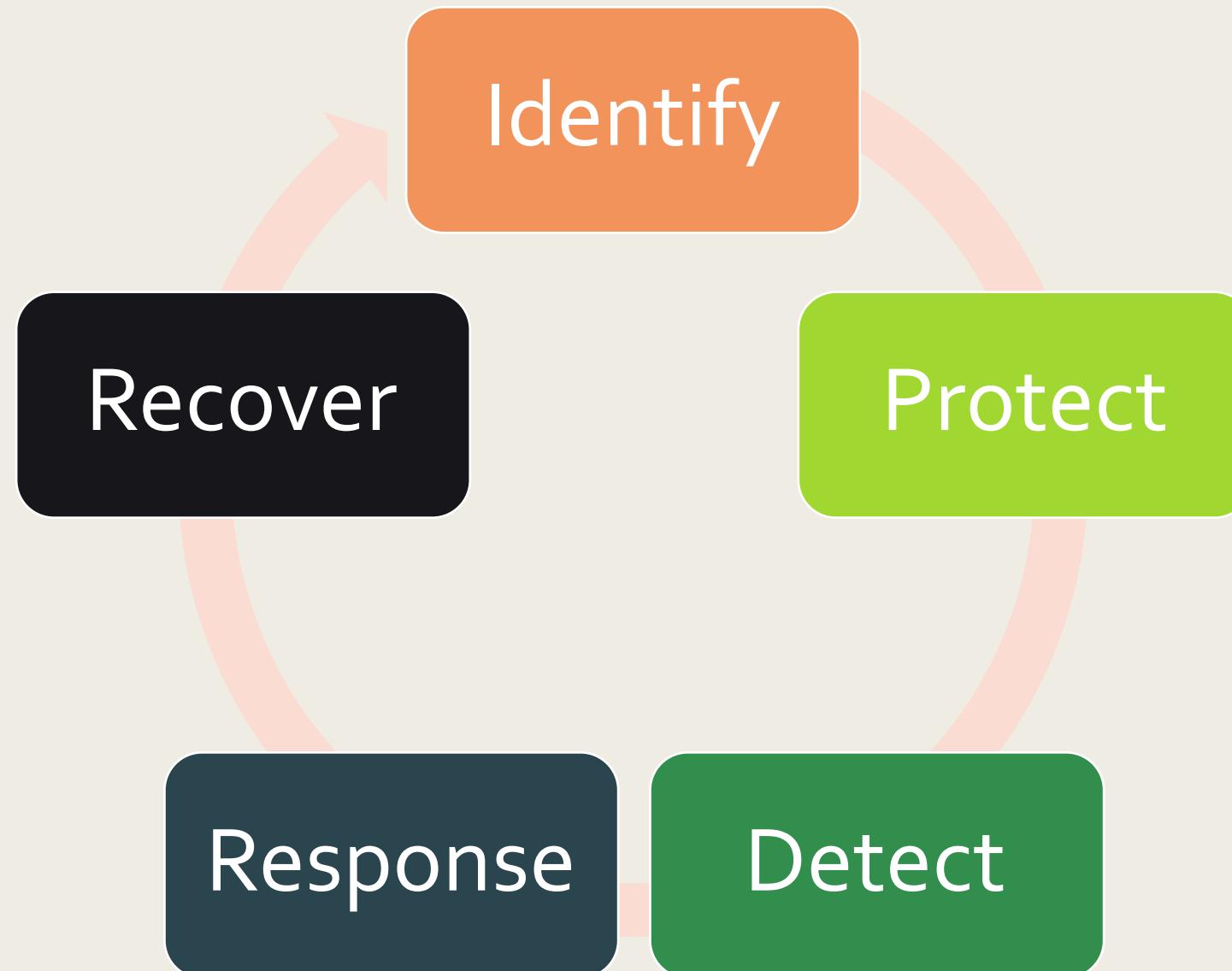
Combined Microsoft Stack:



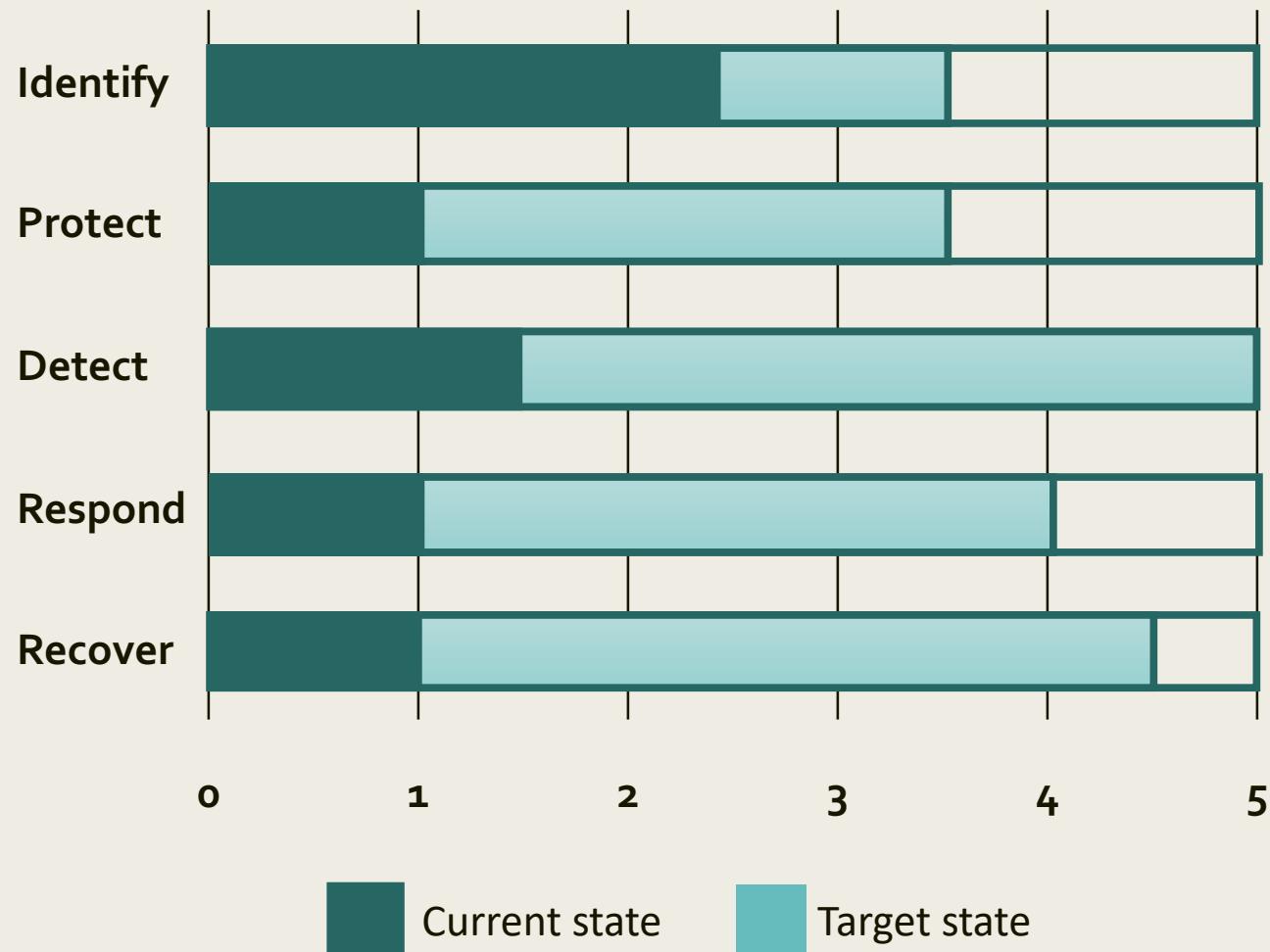
# MITRE ATT&CK

Enterprise Techniques: 244  
Mobile Techniques: 67  
PRE-ATT&CK Techniques: 174

# NIST Cybersecurity Framework

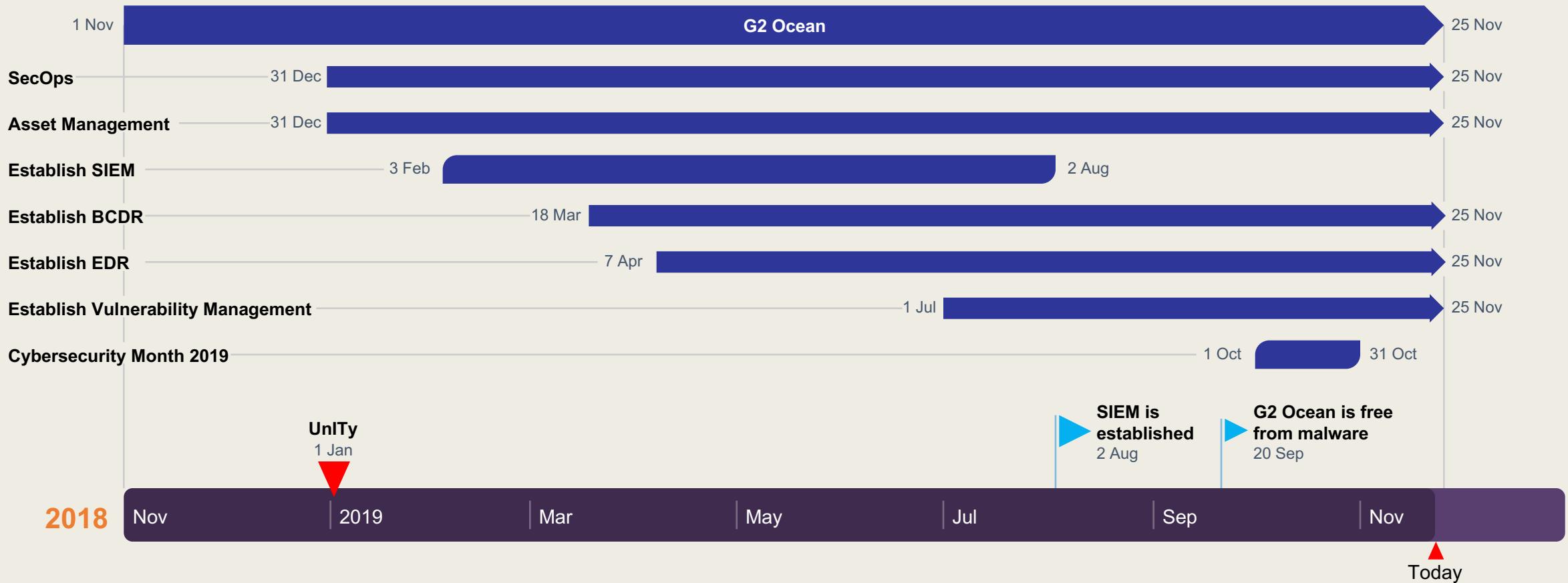


# Maturity of Information Security



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**

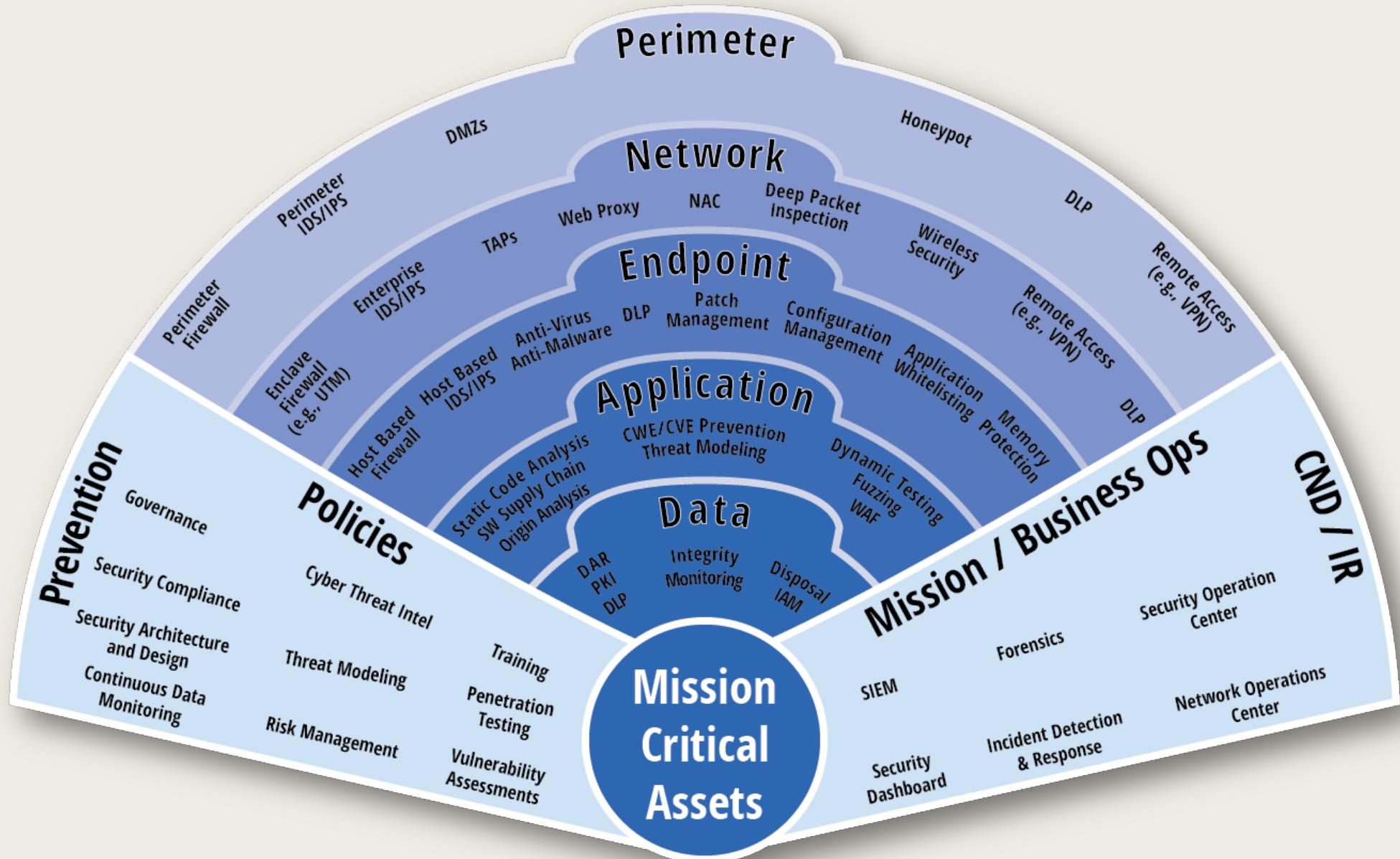
**Information  
Security  
Services**

**Protection & Prevention**

**Prediction & Detection**

**Verification & Exercise**

# Layered Security (Defence in Depth)



# 5 Years in 40 Minutes

