Thomas Murray

The Threat Landscape: Cyber Risk in the Greek Market

October 2024

Thomas Murray Cyber

11 November 2024

TLP: AMBER

Introduction

Presenter

Ben Hawkins
Senior Consultant – Threat Simulation

Ben is a CISSP and Crest certified Senior Consultant in Thomas Murray's cyber security advisory practice.

While he has spent the last 7 years working in cyber security, he started his career in Financial Services, before joining IBM as a business consultant in their big data consultancy practice. Ben has worked across many cyber security domains, including Incident Response, Digital Forensics, SOC analysis, eDiscovery and Litigation Support, GRC, Penetration testing, and Red/Purple Teaming. Prior to Thomas Murray he worked at Kroll, where he was a managing consultant in the Proactive Security practice.

About us

Thomas Murray has worked with financial institutions, governments and corporates for 30 years to improve their security and reduce their risk profile. This is a snapshot of those we are allowed to disclose.

Global Banks

BNP PARIBAS
BNY MELLON
BANK OF AMERICA
FAB First Abu Dhabi Bank
Morgan Stanley
BARCLAYS
QNB
UniCredit Bank
NOMURA
Standard Chartered
SOCIETE GENERALE
HSBC
SEB
usbank
dwpbank
citibank
17 96 LOMBARD ODIER
Rothschild Martin Maurel
RBC
EDMOND DE ROTHSCHILD
NatWest Markets

Stock Exchanges & Capital Market Infrastructures

EURONEXT
nuam exchange
BOLSA NACIONAL DE VALORES
KUWAIT CLEARING COMPANY K.S.C
JAMAICA STOCK EXCHANGE
QKB
DEPOZITARUL CENTRAL CSD ROMANIA
ATHEX Athens Stock Exchange

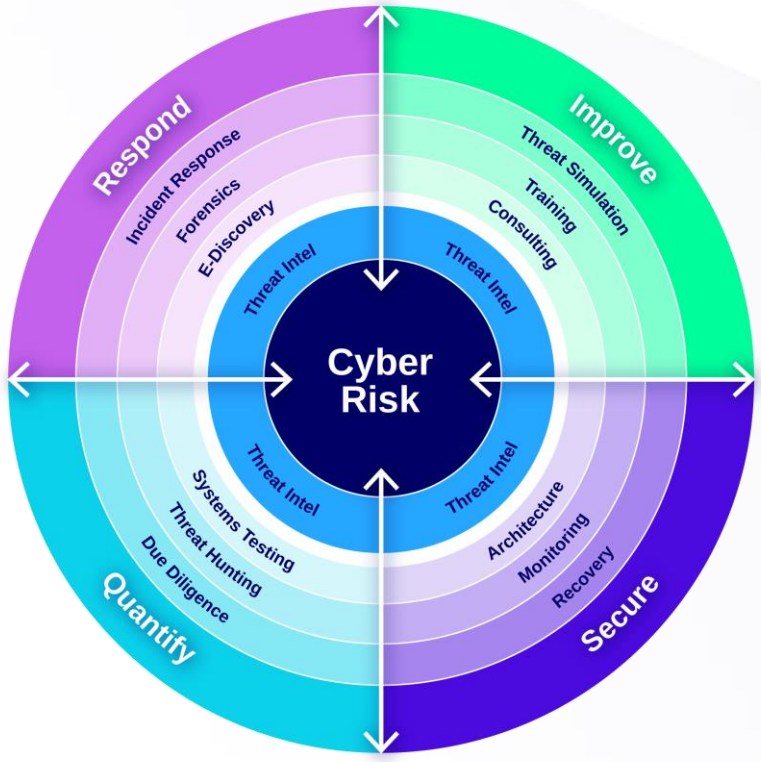
Leading Asset Managers & Administrators

NORTHERN TRUST
Oman Investment Authority
PICTET
SARASIN & PARTNERS
Danske Invest
BRITISH AIRWAYS PENSIONS
ONTARIO TEACHERS' PENSION PLAN

Other Institutions

KING'S College LONDON
THE UNIVERSITY OF SYDNEY
Stone Forest IT
S&P Global

Thomas Murray's Cyber Advisory Practice



The Thomas Murray Cyber Advisory Practice is a team of security practitioners with extensive experience of public and private sector organisations.

Our four services are pillars of consulting excellence that enable us to align clients with experts in each discipline as their needs evolve and requirements grow.

We proudly embed threat intelligence in everything we do, so that we can provide actionable data and apply the latest response methods to best protect our clients and their communities.

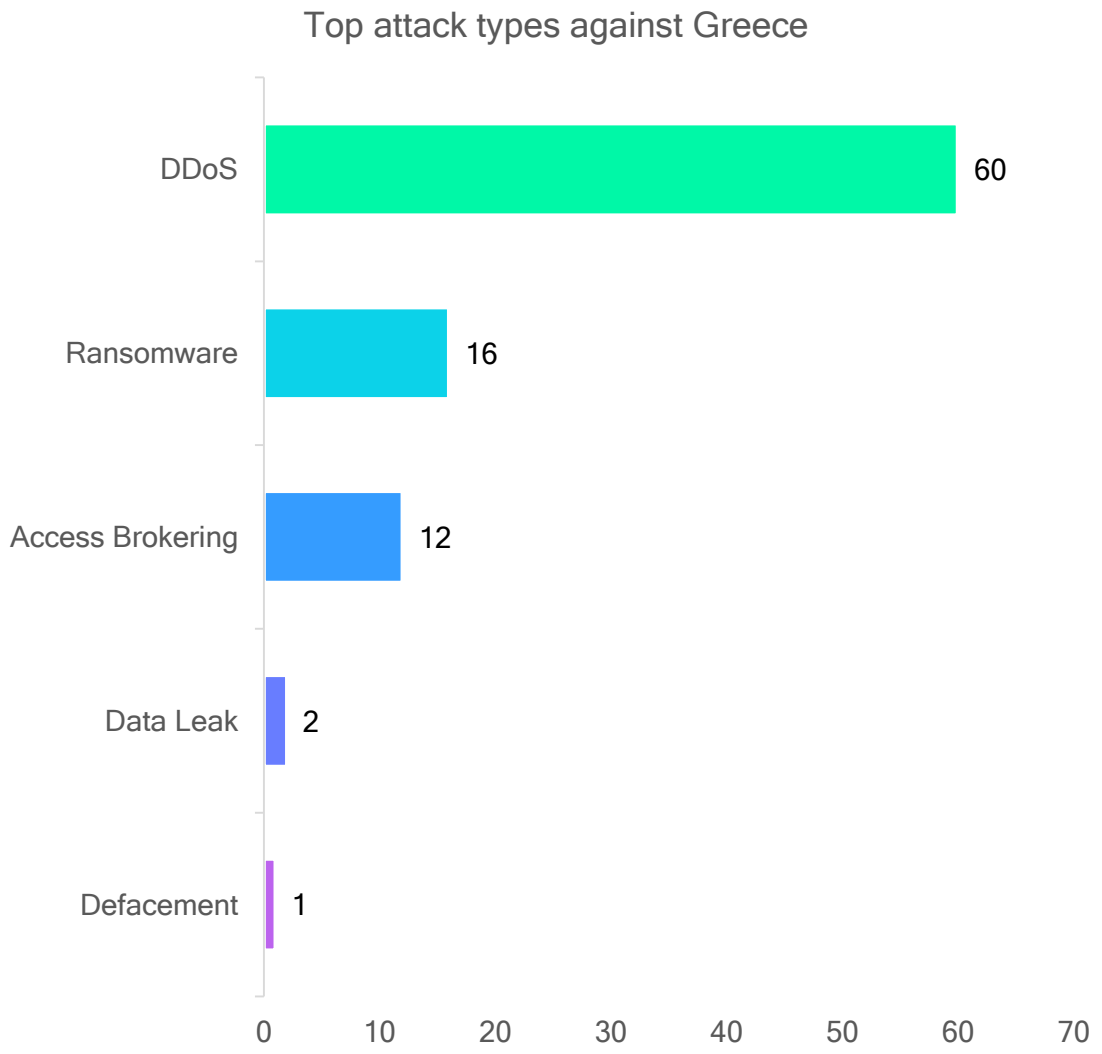
Our insights and relentless focus on threat intelligence allow us to be the first movers against the ever-changing and evolving threats in the cyber domain.

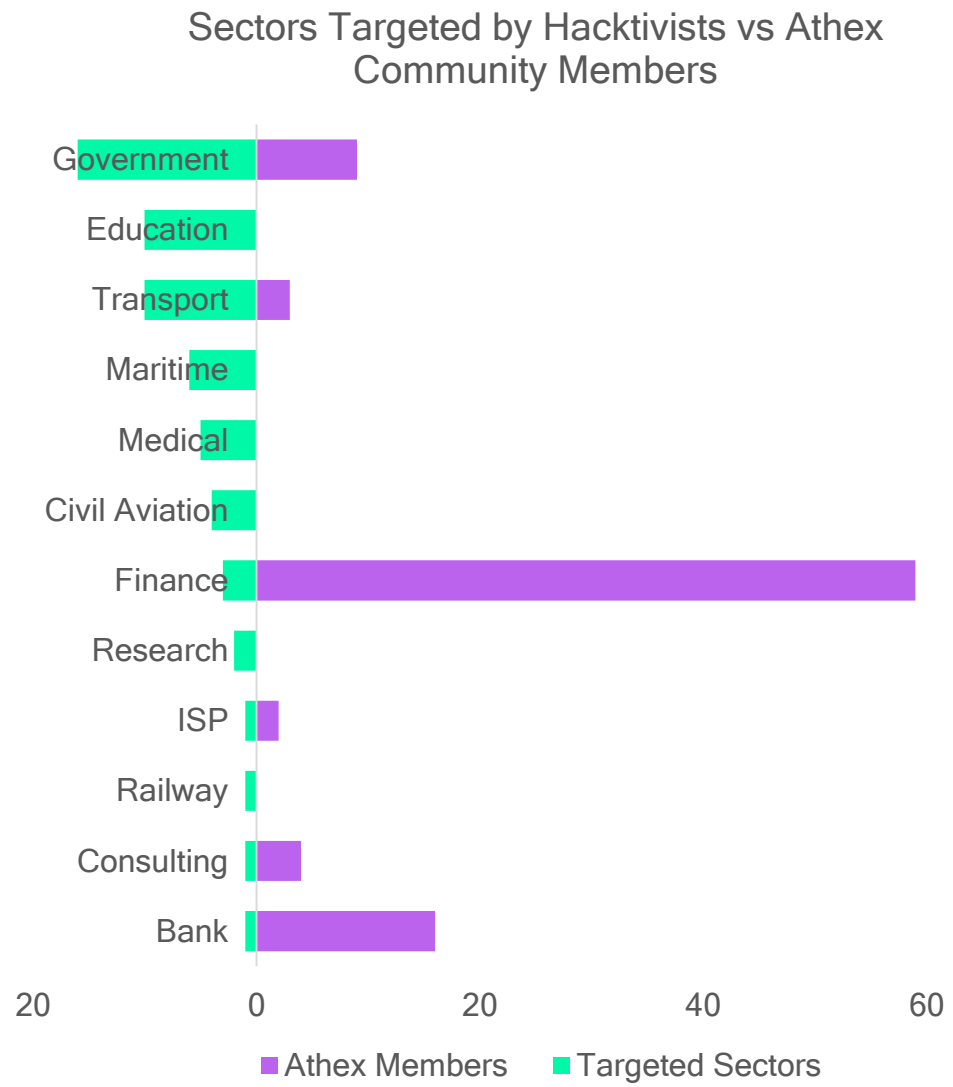
AIRBUS ROYAL AIR FORCE CGI

HM Government pwc KROLL EY

Greek Threat Landscape

Threat Landscape - Attack Types





Orbit Security Analysis

Orbit Security

How it works

Provide Thomas Murray with your root domain

Discover your exposed attack surface

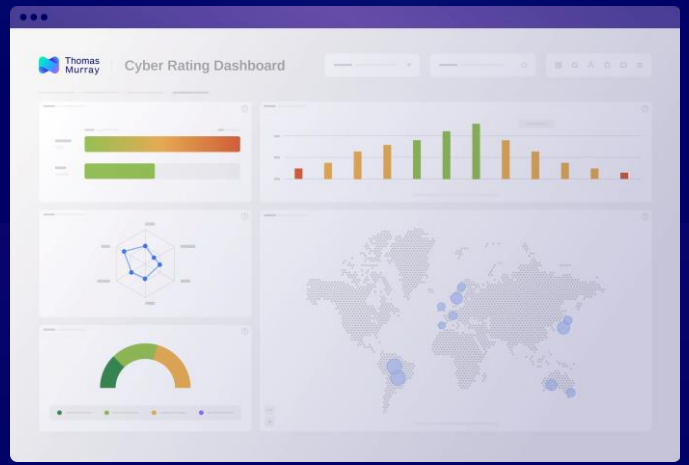
Continuously monitor the risks and vulnerabilities within your network

Review your ratings, analytics, and actionable remediation data

Conducts unintrusive scans on externally visible infrastructure.

Uncovers breached email accounts and passwords that are associated with the organisation.

Identifies “high risk” activity associated with technology assets and provides context.

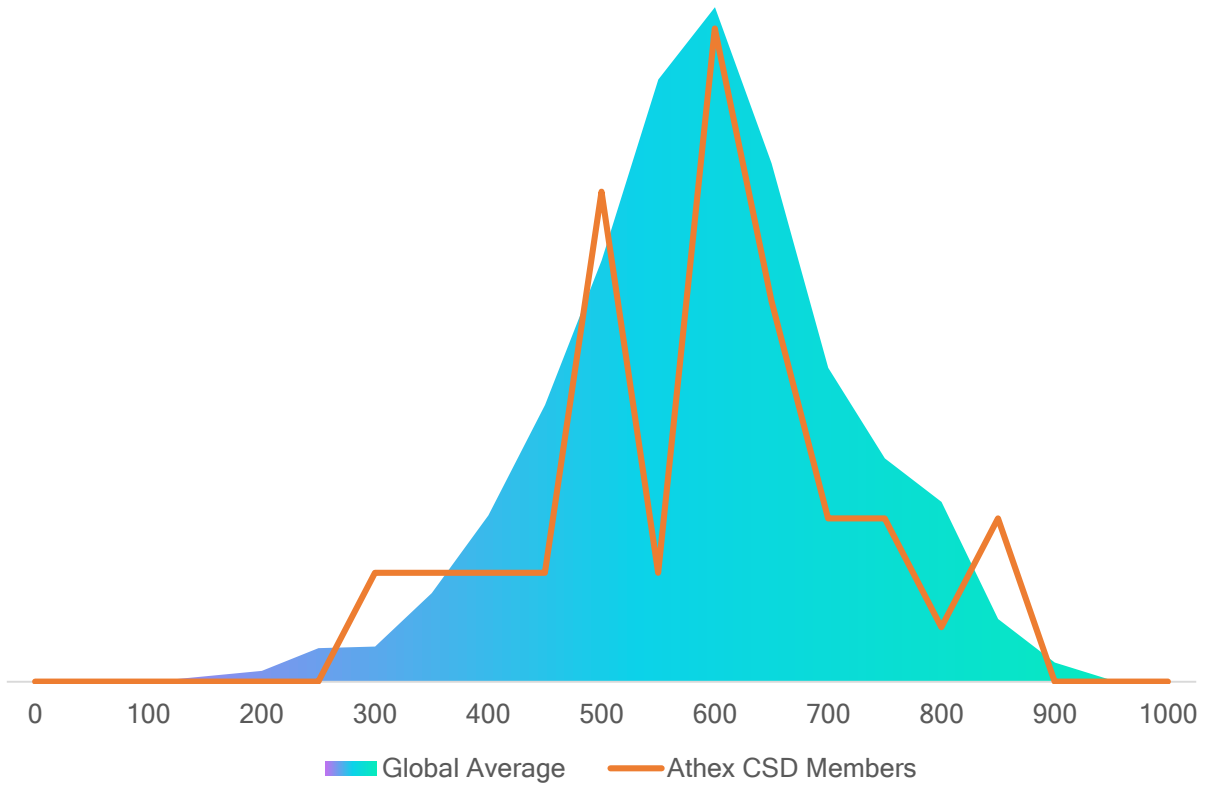


0 Poor Excellent 1000

TLP: AMBER

Orbit Security Scores

These are scores from Thomas Murrays Orbit Risk tool. The distribution shows the number of companies at each Orbit Risk score level. The filled area represents the Global distribution of scores across all entities monitored by Thomas Murray, and the orange line indicates the scores in the Athex Community



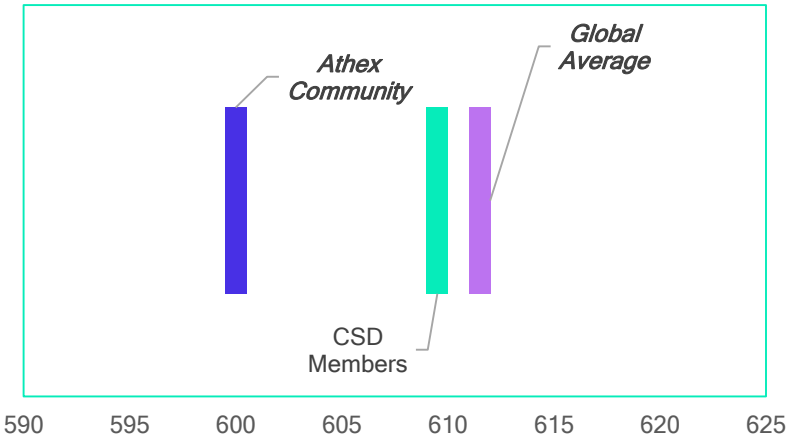
Key Takeaways:

CSD Members Average: 609
Athex Community Average: 600
Global Average: 611

- *Generally, the CSD Scores are in line with expectations*

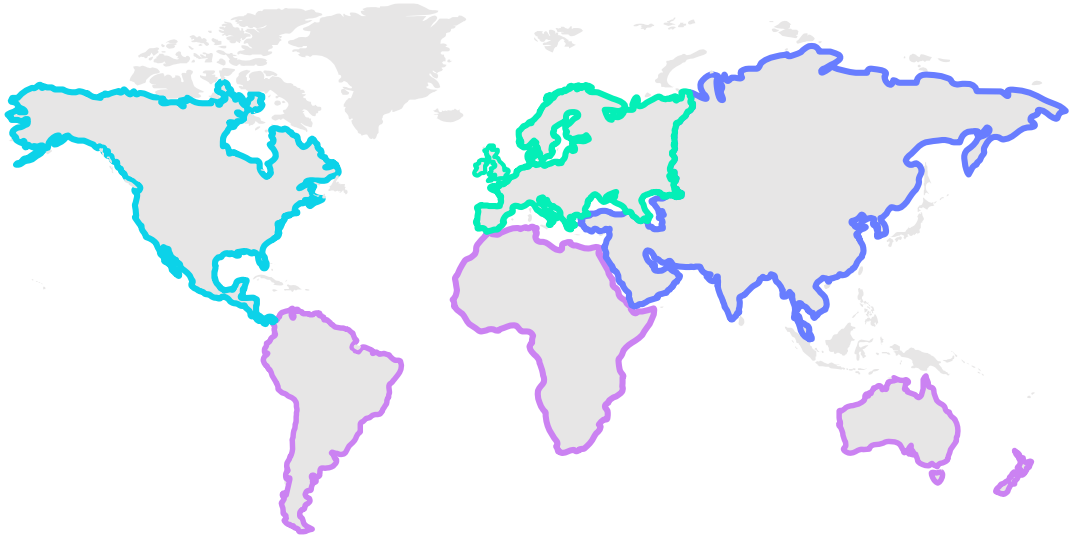
- Four entities score less than 400
- 16% of entities score less than 500

Community Average Scores



TLP: AMBER

Geolocation of Infrastructure

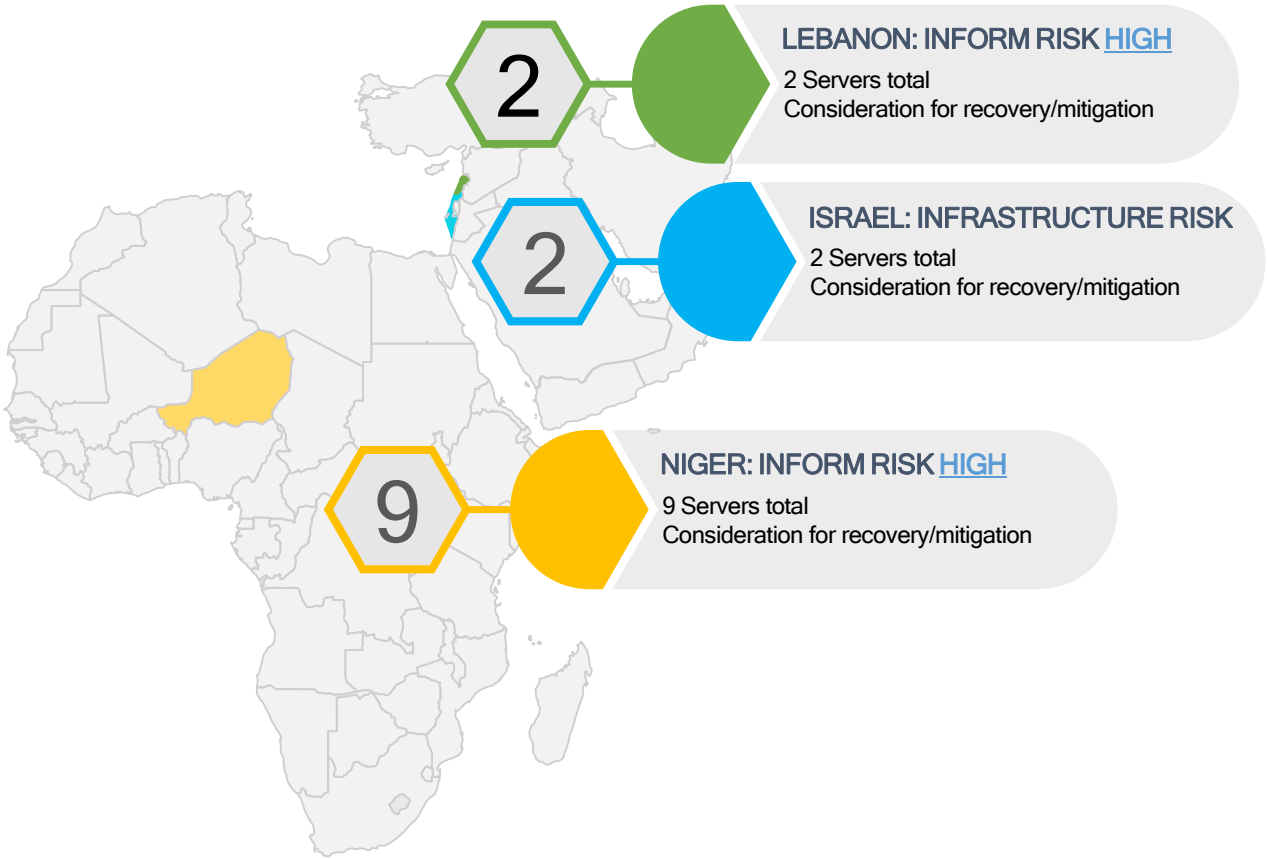


47% Europe

44% North America

6% Asia + ME

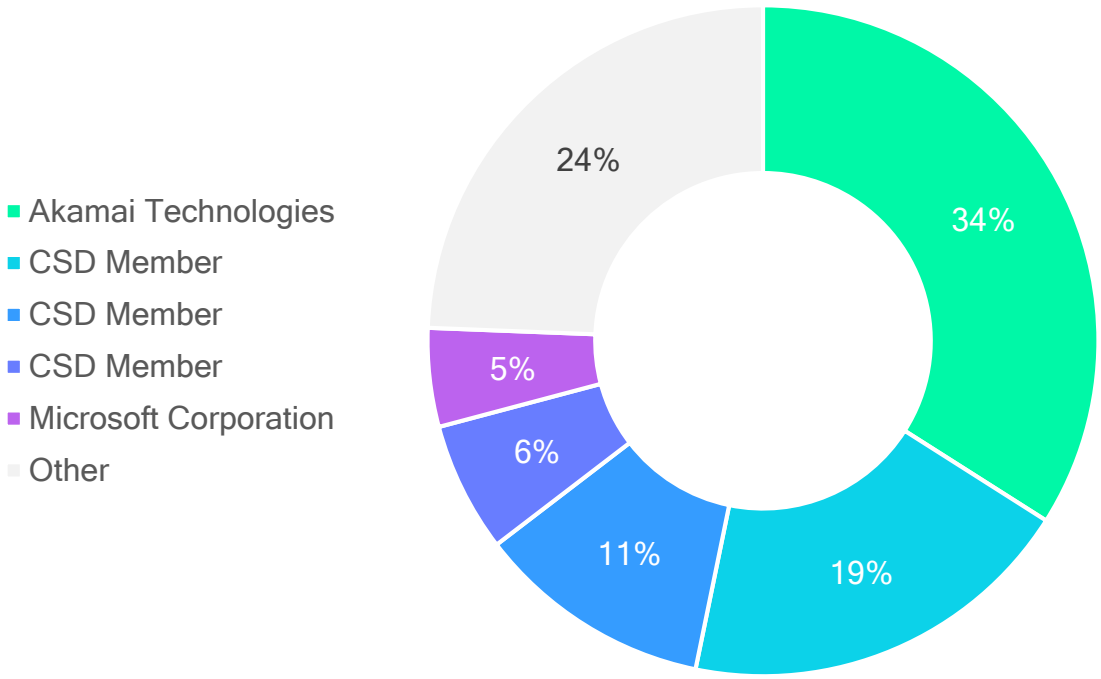
2% Other



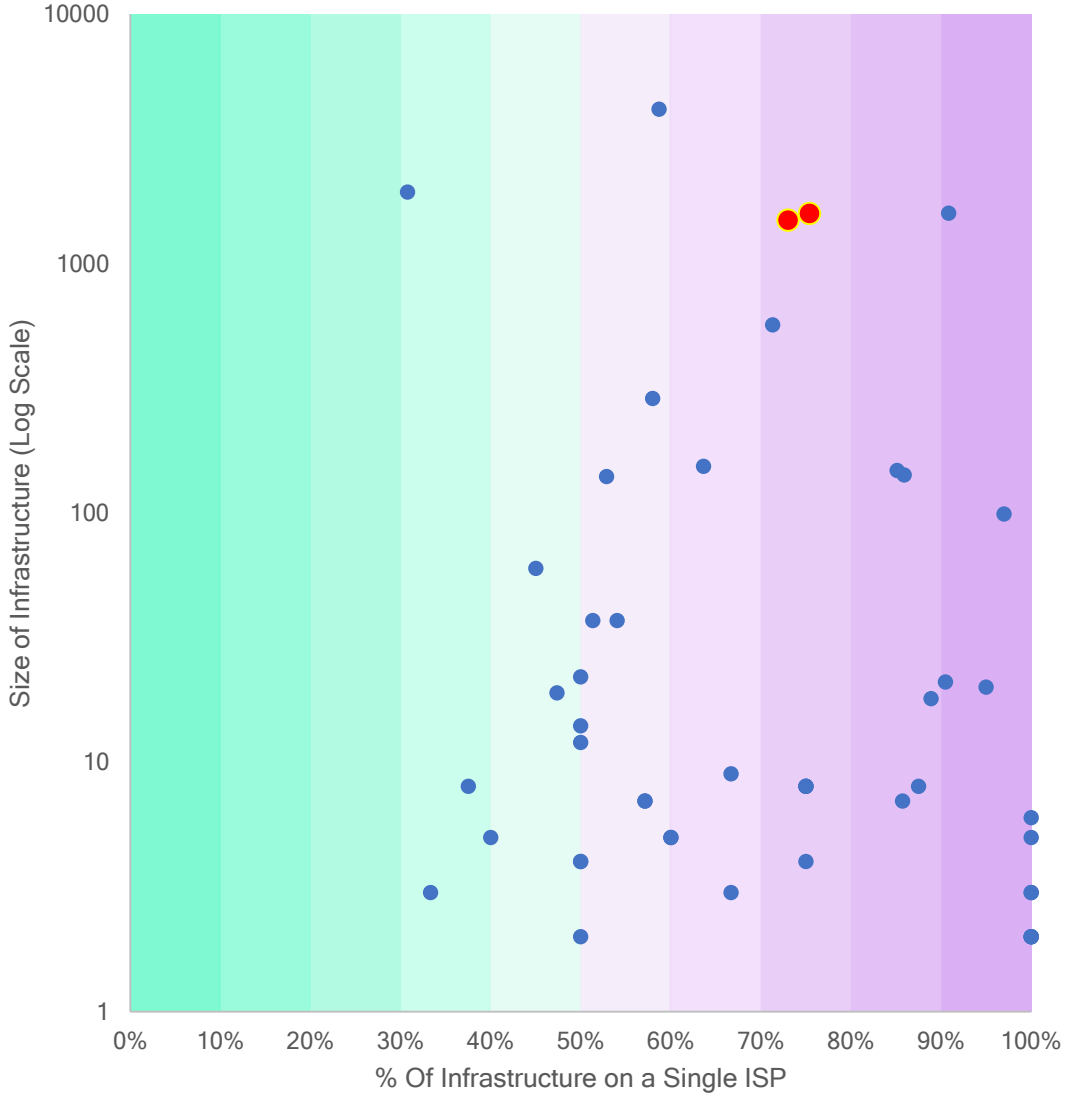
Thomas Murray

ISP Concentration Risk

Proportion of total Infrastructure by ISP



Size of Infrastructure vs. % Hosted on a single ISP



TLP: AMBER

High Risk Issues

336

Open Service

Services likely to not be purposely exposed

204

Vulnerable Service

Services out of date and may require patching

61

Stolen Credentials

Stolen credentials may highlight password re-use and could be used for initial access

13

Compromised Server

Servers may be port-scanning or part of a botnet - **Further investigation required**

The reality is that everyone is a target

What assets could be attacked?

Do we have a clear outline of which of our assets could be attacked – See Orbit Security?

- Websites
- Applications
- Infrastructure

And how?

What defences do we have in place?

- People
- Processes
- Technologies

How confident are we in our existing controls?

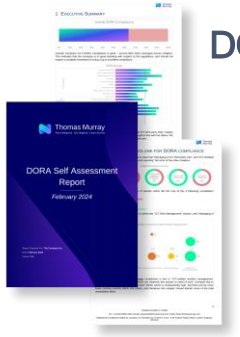
- Proactive testing and threat emulation, including TLPT?
- What about phishing exercises?

How would we respond to an attack?

- Do we have an incident response plan?
- Have we tested it as per DORA reporting requirements?

The Thomas Murray team can support your organisation with all of the above

DORA and Thomas Murray



DORA HEALTHCHECK QUESTIONNAIRE

Taking the Self Assessment with Thomas Murray helps indicate where the gaps in your compliance are.
https://thomasmurray.com/insights/dora-compliance-progress-check

CURRENT STATE

Unknown compliance, existing controls and documentation but no clear direction to achieve DORA compliance

COMPLIANCE

Get to a position of comfortable compliance with the DORA regulations, ahead of the deadline

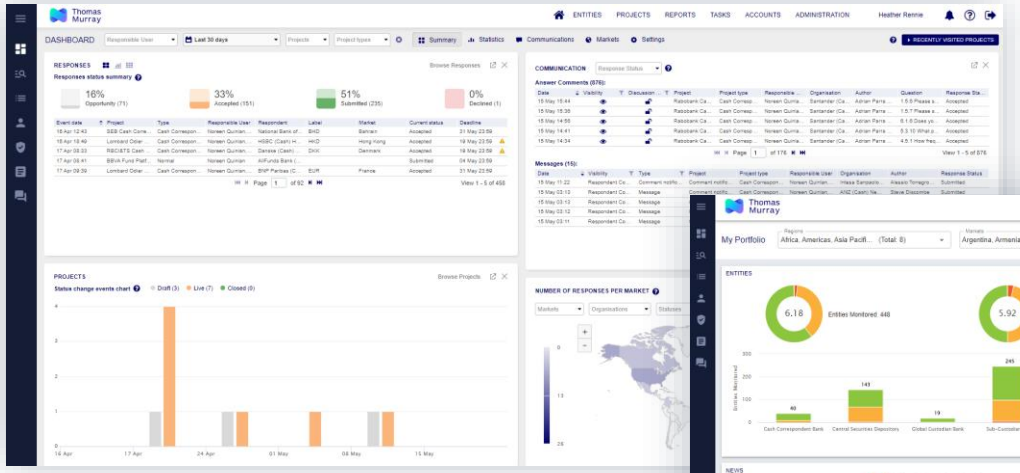
TM CONSULTING SERVICES

Thomas Murray can run Executive Readiness Workshops and / or help define a strategic roadmap for achieving compliance, or just assist in understanding and confirming the results of the Self Assessment Questionnaire

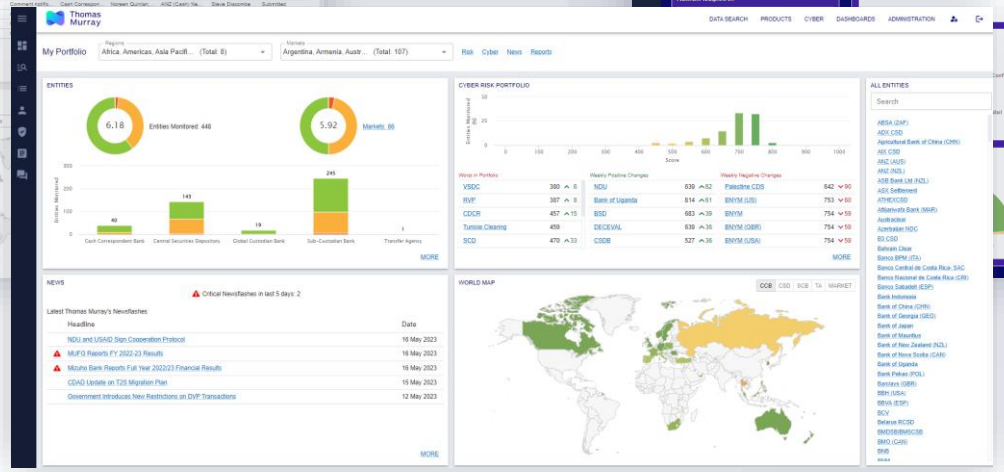
TLP: AMBER

Orbit Risk: Intelligent Risk Management

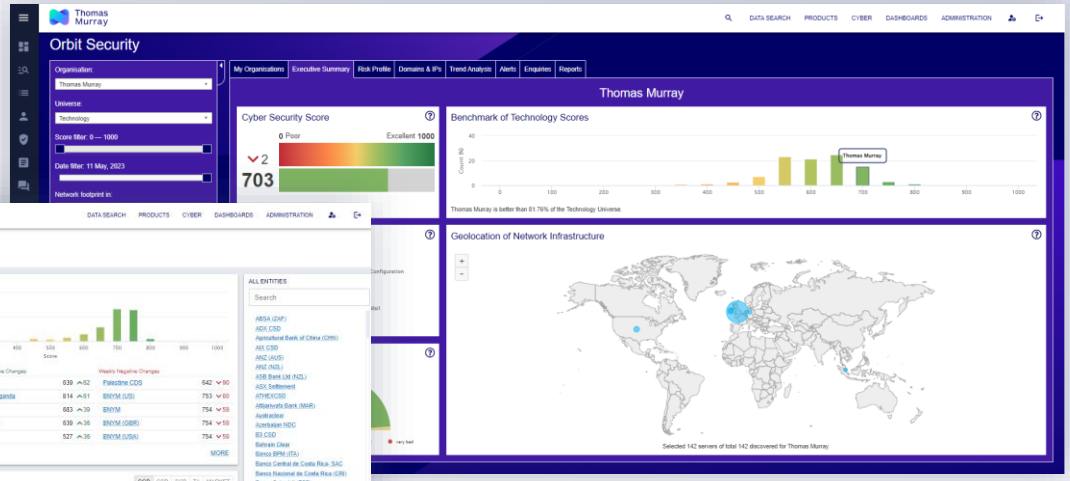
Orbit Risk is Thomas Murray's proprietary risk management platform. We use the findings from Orbit Security to analyse an organisation's public security posture – as part of the information-gathering process. We use Orbit Diligence to issue digitised questionnaires and analyse the responses from key stakeholders.



Orbit Diligence: Automated due diligence with digitised DDQs, accessing library of standard questionnaires or creating bespoke assessments.



Orbit Risk: Centralised view of the findings from Orbit Diligence and Orbit Security, providing an aggregated, prioritised roadmap for remediation.



Orbit Security: Automated cyber security ratings and assessments, analysing your public attack surface, exposed vulnerabilities and breached data.

TLP: AMBER

Thank you for attending

For additional insights, or support with your cyber security, contact:

bhawkins@thomasmurray.com or rsmith@thomasmurray.com

In the event of an incident, please contact **Kevin Groves** for support and access to industry-leading response capabilities

kgroves@thomasmurray.com

For DORA Self-Assessment visit https://thomasmurray.com/insights/dora-compliance-progress-check

The content presented was prepared from open-source intelligence available to anyone. It is prepared and presented in good faith in the context of the team's collective experience and has been produced for informational purposes only. Individuals should not attempt to recreate or reproduce this presentation, or the information contained within it, without the express permission of Thomas Murray. Individuals and organisations should not place reliance on this information.

Appendix

A team of highly qualified cyber security professionals

Our cyber risk advisory team has extensive experience across the full breadth of cyber security, with a combined knowledge of 170 years and over 4,000 client engagements.

We continue to build on our capabilities as demonstrated by the holding of industry leading cyber security certifications and memberships with key industry bodies.

Professional Memberships

CREST

Chartered Institute of Information Security

ISC2

SABSA

ISACA

Frameworks Related Certifications

Lead Auditor

Lead Implementer

PCI Forensic Investigator (PFI)

PRINCE2 FOUNDATION

PRINCE2 PRACTITIONER

TOGAF® 9 Certified

Open FAIR™ 2 Foundation

Industry Leading Cyber Security Certifications

GCTI

GDAT

GCFE

GISP

GCIH

GCFA

CISM Certified Information Security Manager

CISSP Certified Information Systems Security Professional

CEH Certified Ethical Hacker

CompTIA Security+

CISCO CCNA

OSCP

Orbit security, vulnerability scans and penetration tests

	Orbit Security	Vulnerability Assessment	Penetration Test	TLPT
Input	Domain name	IP, URL	IP, URL, application, etc	Threat Intel. IP, URL, application, etc
Scope	Discovering external known and unknown associated domains and sub-domains	Known Internal and external IP, URL	Known internal and external IP, URL, Application, etc.	Known internal and external IP, URL, Application, etc.
Assessment Type	Non-intrusive	Intrusive	Intrusive and simulated attack	Intrusive and simulated attack
Explicit Permission Required	No	Yes	Yes	Yes
Assessment rating	Based on proprietary scoring methodology (0 - 1,000)	Typically based on CVSS	Typically based on CVSS with mapping to MITRE or custom methodology	Typically based on CVSS with mapping to MITRE
Identification of stolen or leaked credentials	Yes	No	Yes	Yes
Identification of compromised server	Yes	No	No	No
Testing Cadence	Continuous	Typically, point in time activity	Typically, point in time activity	Dictated by DORA