Leveraging Threat Intelligence in the Financial Sector

Banche & Sicurezza 2021

Gabriele Zanoni

Country Manager Mandiant, Italy

Mandiant Consulting

Prevent, detect, & respond to advanced cyber-security events and protect your organization's critical assets.

Trusted by organizations worldwide – **Over 40%** of Fortune 100 companies[1]

14+ years responding to and remediating headline breaches

Mandiant DNA Pioneers in sophisticated incident response

Portfolio of services to **assess, enhance and transform** security posture and upskill internal security staff

Cutting-edge threat intelligence informed by frontline adversary exposure

Cyber security services enabled by purpose-built technology

Global workforce of over 300 consultants in 20+ countries

Global Attacker Dwell Time

24 DAYS

2020 Global Median Dwell Time

Median **5** Days

Ransomware Investigations

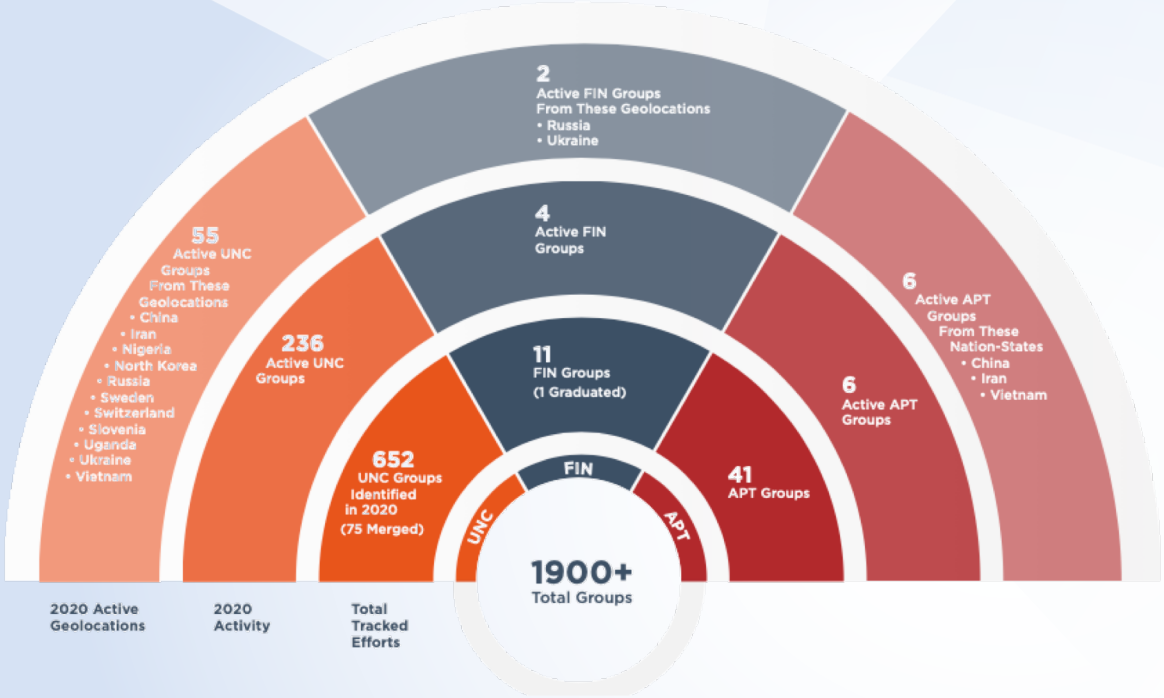
66 DAYS

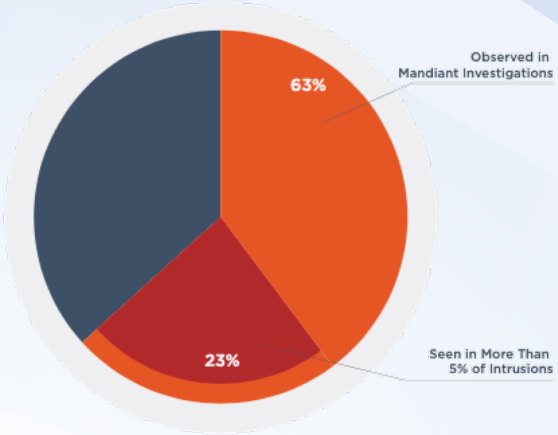
2020 EMEA Median Dwell Time

Over A Decade

Compromise Notifications	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
All	416	243	229	205	146	99	101	78	56	24

Threat Groups

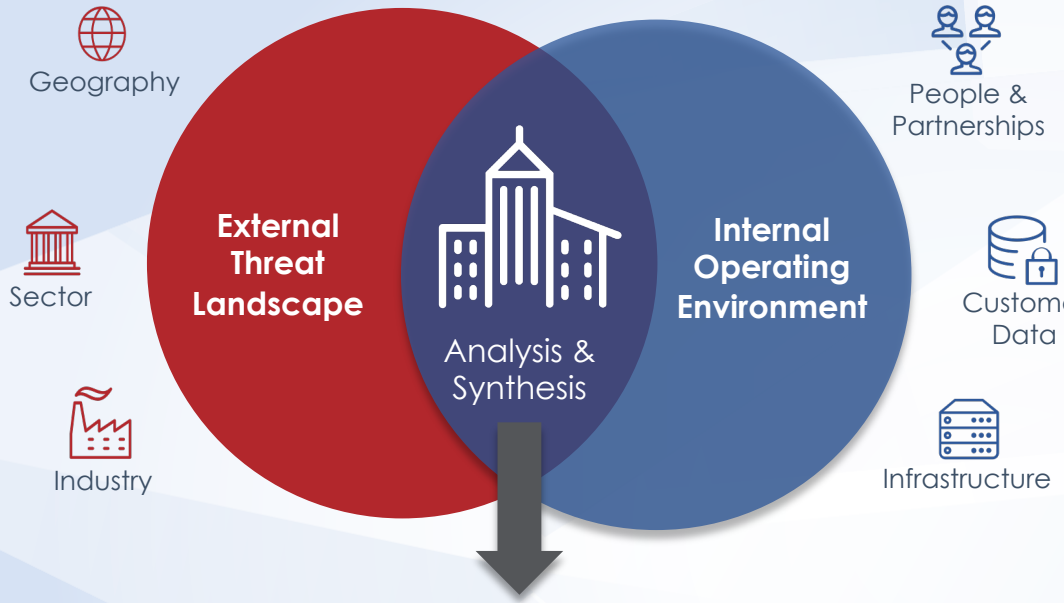




MITRE ATT&CK TECHNIQUES USED MOST FREQUENTLY

- 63% of MITRE ATT&CK techniques observed
- **Only 37% of the techniques observed were seen in more than 5% of intrusions.**
- 81% of newly tracked malware families were non-public

Developing a Cyber Threat Profile



External threat landscape knowledge, coupled with a **clear understanding** of your **current security posture** and your ability to **anticipate, mitigate and respond** are key to success.

A Tailored Threat Profile should:

Outline the **relevant threats** you need to **prepare for**

Incorporate **evidence-based analysis techniques** to drive **threat prioritization**

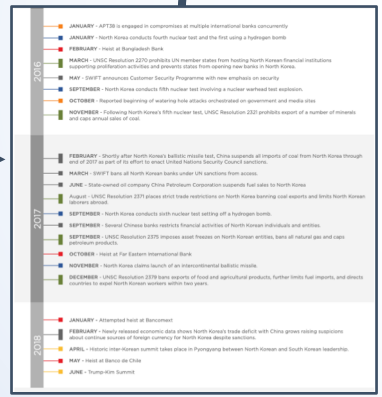
Capture **key business services, critical infrastructure, operating environment** knowledge

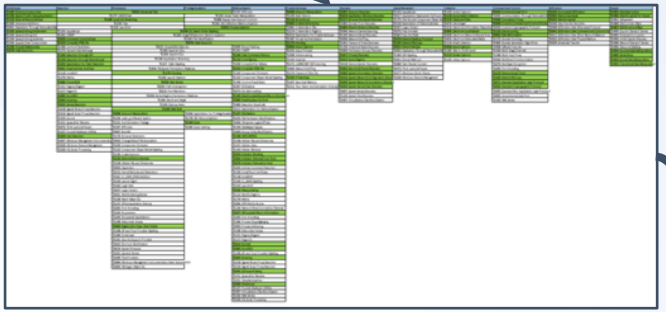
Provide **inputs to leadership, cyber defense & risk functions**

Be a **core intelligence product** that is **updated at regular intervals** (i.e. every 6mths or annually)

Threat Identification

From the Strategic Perspective…



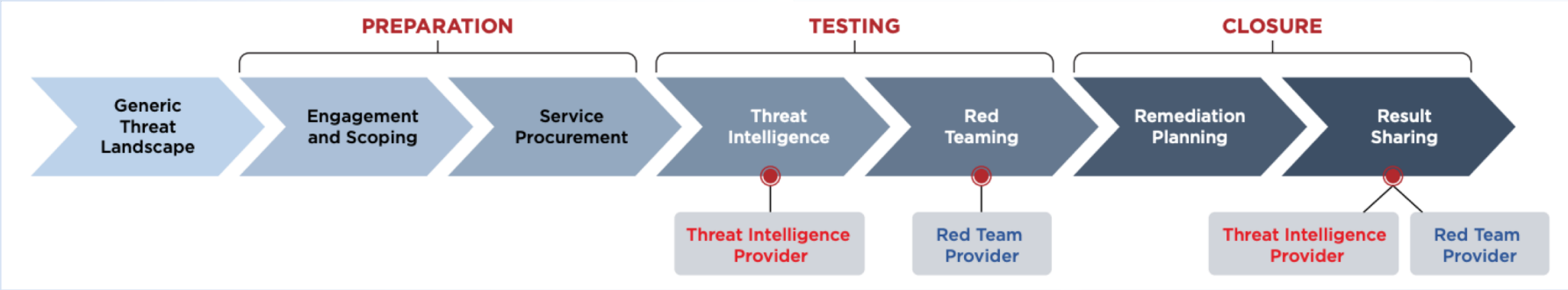


…To Attack Specifics

…			
2 - Execution	Rundll32	**HOTWAX** has been launched using rundll32	**Example:** rundll32.exe c:\windows\system32\msv2_0.dll SpLsaRunInitialize
…			
3 - Persistence	Registry Run Keys / Start Folder	**NESTEGG's** parent binary creates the registry keys to allow the service to run in safe mode, creating a default value the data of which is set to "Service"	HKLM\SYSTEM\CurrentControlSet\Control\SafeBoot\Minimal\<ServiceName> HKLM\SYSTEM\CurrentControlSet\Control\SafeBoot\Network\<ServiceName>
…			
5 - Defense Evasion	Disabling Security Tools	**NESTEGG** runs the a command to open the Windows firewall port	netsh firewall add portopening TCP <port> "Microsoft Update"
…			

Cyber Resilience for Financial Institutions with TIBER-EU

- The Threat Intelligence Based Ethical Red Teaming (TIBER) EU is a framework published by the European Central Bank for delivering "a controlled, bespoke, intelligence-led red team test of entities' critical live production systems."
- **Threat Intelligence** provider collects, analyses, and disseminate intelligence from other sources about relevant threat actors and probable threat scenarios for the institution.
- **Red Team** provider will execute an intelligence-led test of specified critical live production systems, people and processes that underpin the institution's critical functions.



MANDIANT®

Prioritize Cyber Risks with Threat Intelligence

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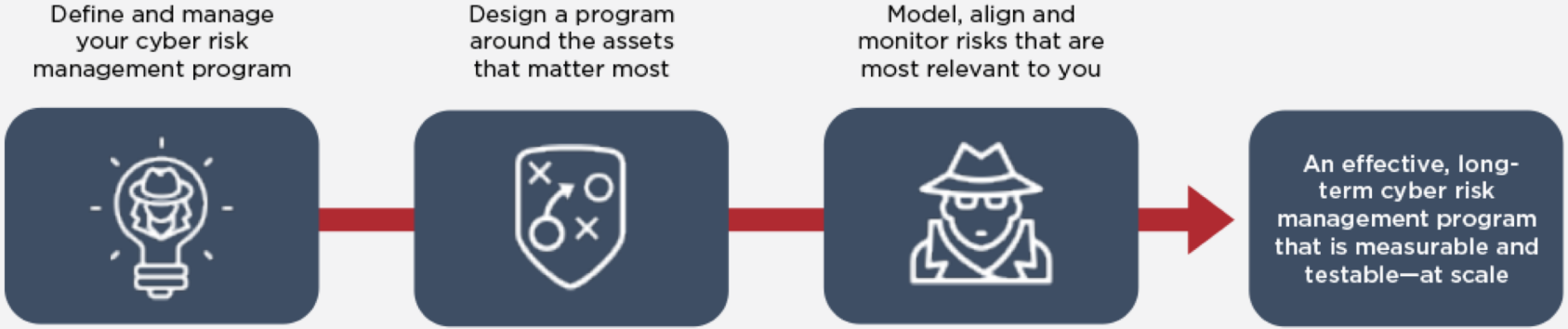
Executives are more focused on cyber resilience

- Are critical digital assets protected?
- Are we susceptible to the attack that just happened to company X?
- Can we minimize the impact of a Ransomware attack?
- Could actor group (XYZ) compromise us?
- Can we be compromised by a malicious insider or accidental loss?

Can you prioritize your cyber resilience?

Mandiant Cyber Risk Management Implementation Journey

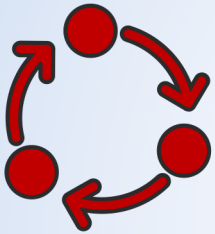


https://www.fireeye.com/mandiant/cyber-risk-management-services.html

Mandiant Services 2021

Ransomware Resilience Review (R3)

Ransomware is a BUSINESS issue and companies needs to verify their resilience from a Strategic and Technical point of view.



Cloud Assessment

In-depth security assessments of client environments across popular cloud platforms.

Elevate security issues and justify further security investments

Crown Jewels Assessment

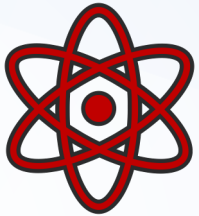
Identify most critical information assets, define and assess threat profile, and develop strategies for effective protection

Threat Modeling

Interactive workshops to uncover unidentified risks and consider both current and future state risks [software, acquisition, complex business processes]

Cyber Due Diligence

Mitigate security challenges inherited via a merger/acquisition; or position your client's company as a seller for purchase with proper security controls



Active Directory Security Assessment

During an ADSA, Mandiant helps your organization improve the key processes, configuration standards, security and monitoring controls required to effectively secure an Active Directory environment and its supporting infrastructure.

Address the Cyber Risks that matter to you

Uplift Risk Strategies: Improve your risk management functional capabilities with corrective program actions and risk-based decision-making.

Increase Business Value: Properly balance your business innovations, security safeguards, and related investment priorities.

Protect Critical Assets: Identify and align specific cyber threats to your organization with critical business assets.

Improve Decision-Making: Lead decisions with risk analysis that leverages detailed threat intelligence and attacker insights.

Enhance Risk Prioritization: Develop integration capabilities with enterprise functions to ensure the right security risk context is applied when prioritizing business efforts.