Cyber Security in Travel

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My message to companies that think they haven't been attacked is: 'You're not looking hard enough'

UK Department for Science, Innovation and Technology

Cybercrime global impact

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\$10.5Tn

Cybercrime Worldwide annual cost by 2025 (3tn \$ in 2015) (INTZ, 2020)2

93%

of company networks can be accessed by cybercriminals 201, 605645 277776,750007,132, 61

.9221

OSK

Contended of the state of the s

+15% avg growth/y

+60% extortion groups

Sophistication & Professionalization of cybercriminals "Cybercrime as a Service"

(CyberSecurity report, 2022)¹

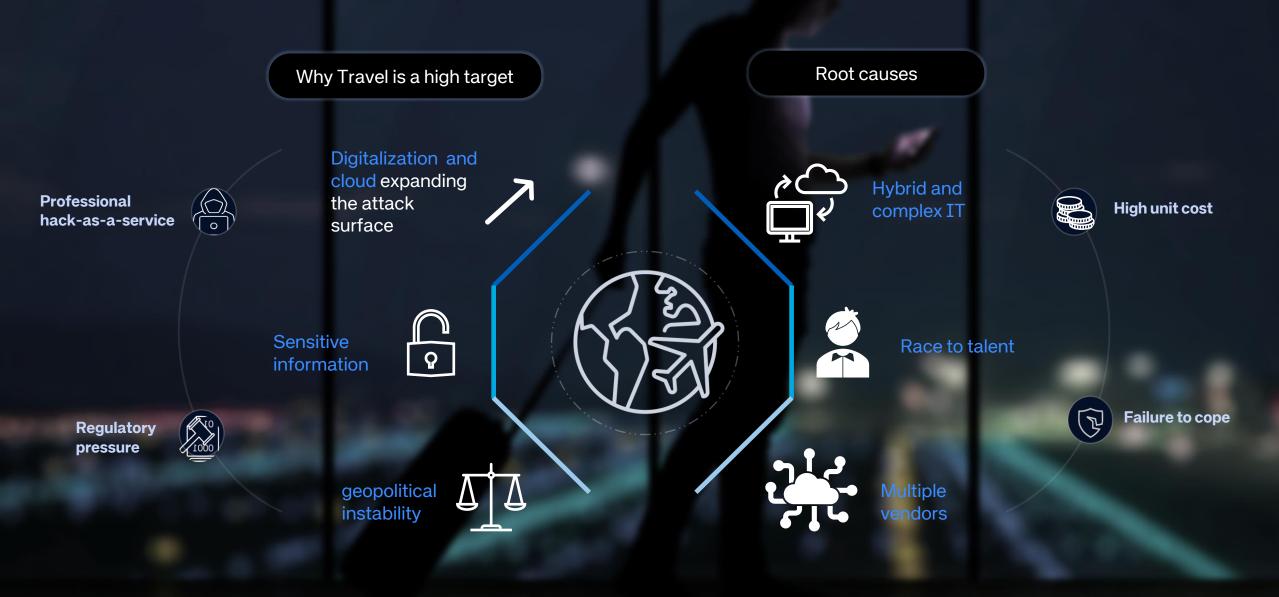
09 06 82 0 000 206

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+358%

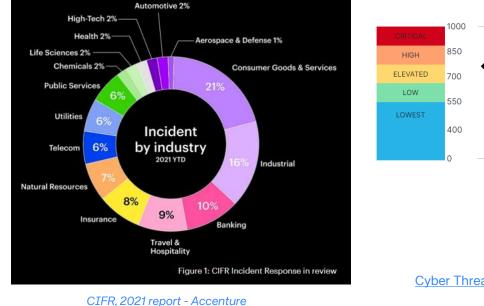
Increase of malware attacks compared to 2019 (Global Risks Report, 2022)⁵

Travel is a high target for sophisticated attacks



Travel is a key target for cybercriminals

Cybercriminals are increasingly taking advantage of vulnerabilities within the travel industry, given the substantial value and sensitivity of the data stored for each traveler.





Cyber Threat Index | Cyber Security Statistics & Trends | Imperva Travel remains one of the top industries suffering from cybercriminals

Travel Cybersecurity Risks



IBM Report – Cost of a Data Breach (2023)

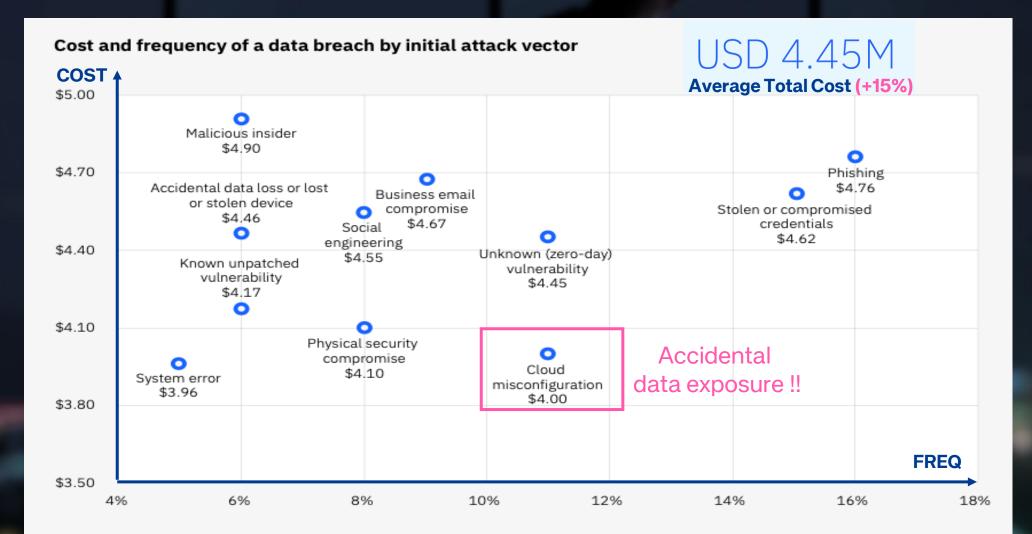
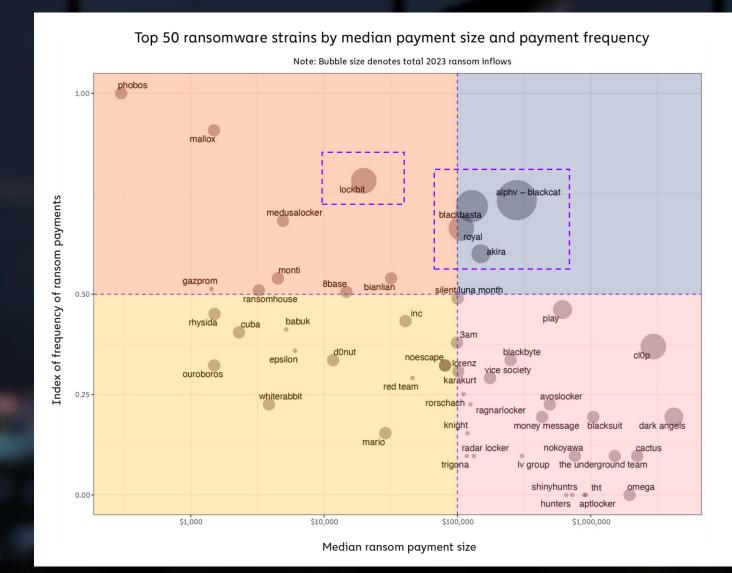


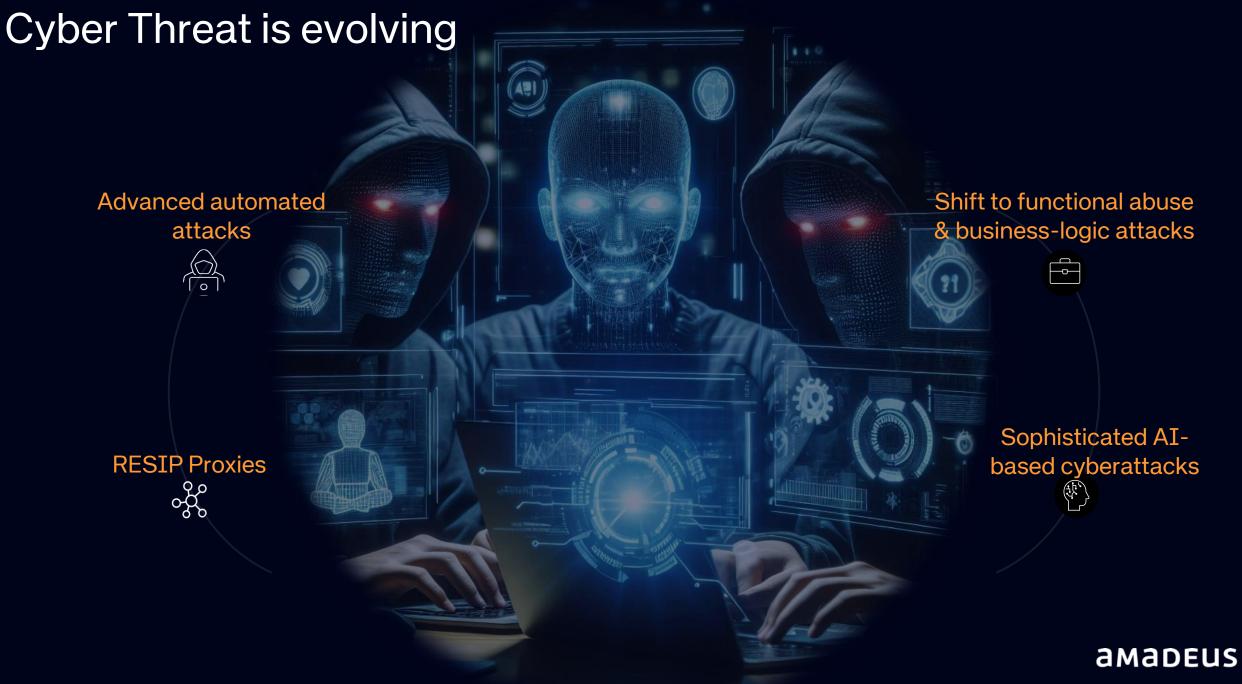
Figure 10. Measured in USD millions

7

Ransomware Payments Exceed \$1 Billion in 2023 hitting a new record



Source: https://www.chainalysis.com/blog/ransomware-2024/



Social Engineering is evolving



Can not trust what you see! Digital image manipulation with deep fake



AI Deepfake Teams Meeting Results in Over \$25 Million Loss

February 6, 2024



The Hong Kong branch of a multinational company has lost \$25.6 million (HK\$200 million) after scammers using deepfake technology posed as the firm's chief financial officer (CFO) in a video conference call and ordered money transfers

The path to Cyber-resiliency

Cyber security strategy based on business risks Defense-in-Depth

CYBER-ATTACK

RESILIENCY

Sero Trust Approach

Constantly review your cyber security capability

Rely on a network of experts & partners

Protect from

fast-evolving threats

Amadeus Cyber

Prevent adversary's success. Continue delivering expected outcome.

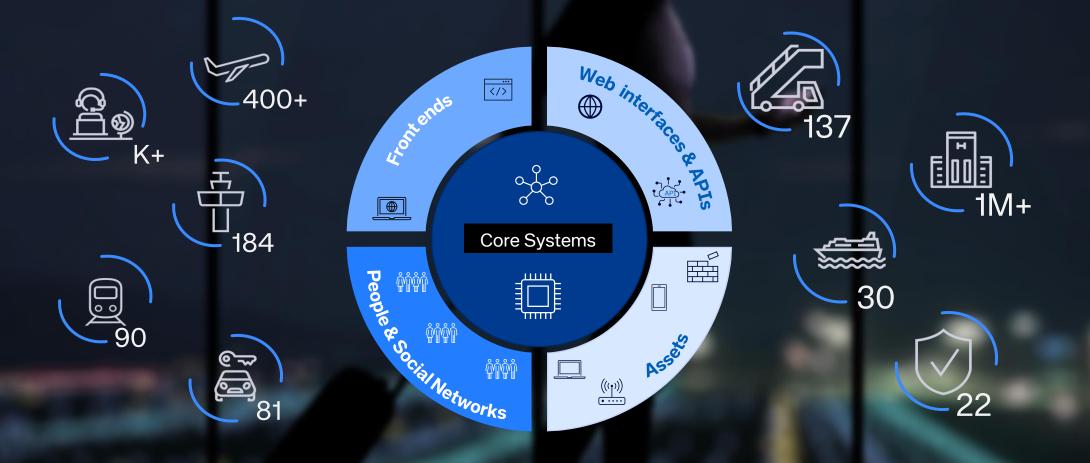


AMADEUS Global Security Operations

Amadeus. It's how travel works more securely.

Leading Cybersecurity in Aviation & Travel

Covering all assets with dedicated expertise



Amadeus sustainable investment

Best in class cybersecurity technology, vendor partnerships, research, awareness & training

Amadeus attack surface – #attacks per day

Covered Period: 1st Jan – 31st March 2024

14 network attacks 595 web attacks 99.3 % blocked automatically Web& PDIS Actwork 5 cases investigated by SOC 96,8% blocked automatically 17 cases investigated by SOC **Core Systems** Ŷ 2 fraud alerts 68.21 endpoints 3.5K mailbotes 43K phishing emails 13 malware attacks Investigated by GSOC reported by user 88% blocked automatically Host ET HADING 3 cases investigated by SOC 80% blocked automatically 98 cases investigated by SOC

CISO strategy relies on ...



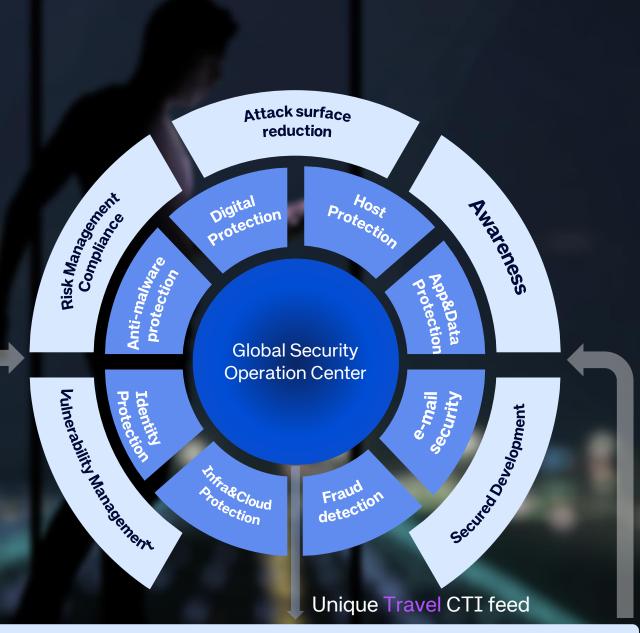
Defense-in-Depth Strategy



External CTI feeds







Cyber Threat Intelligence

"Rely not on the likelihood of the enemy's not coming, but on our own readiness to receive him"

Sun Tzu, The Art of War

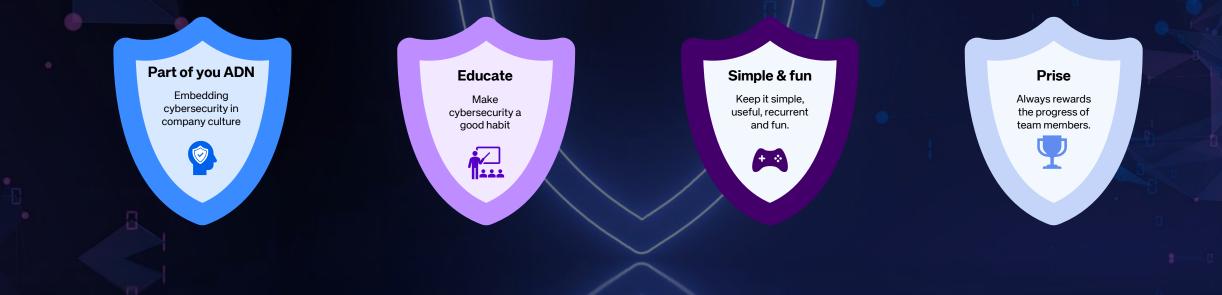
"It Only Takes One ... "

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Security Awareness Program

Not a training, it's company culture!



Security Research & Innovation

Develop the next-gen tools for cyber security

Protect Amadeus against automated threats and distributed attacks

T

Situational awareness on Threat Actors behaviors and strategies Advanced bot detection and mitigation

Cyber Threat Intelligence (CTI) for Aviation & Travel

Use of AI / ML in cyber security

Strengthen Amadeus cyber resilience across the IT continuum

Functional abuse & Business logic attack detection

Enhance our fraud detection capabilities

Advanced

anti-malware

capabilities

Enhanced malware behavior analysis sandbox ∂

RESCUE CONCORD Research

proposals

Collaborative research projects (EU) •

amadeus

Cybersecurity Services

Extending our reach to protect our customers

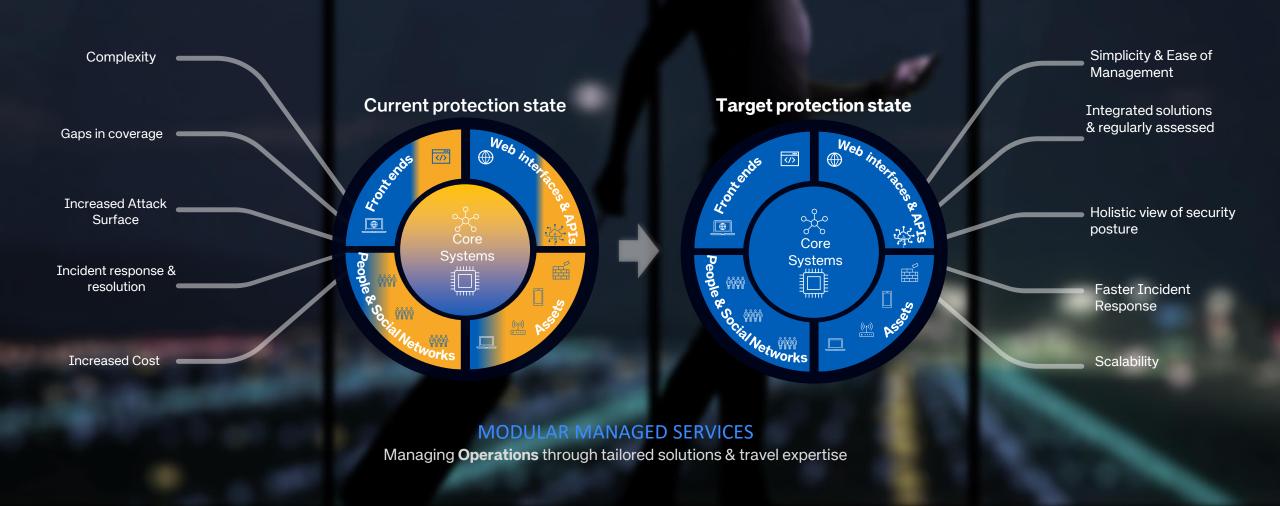


AMADEUS Global Security Operations

Amadeus. It's how travel works better.

Amadeus Cybersecurity Offer

Towards a consolidated view



Amadeus, the right partner Supporting our customers







Experts in Travel

Industry leaders in Technology

We come from experience Technical & Functional expertise

Our People Proximity & Engagement



We deliver

Amadeus. It's how travel works more securely.



Amadeus Cybersecurity Services Sales Playbook

Amadeus cybersecurity journey



