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BARCELONA
27 FEBRUARY-2 MARCH 2023

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#MWC2019 #5GFuturesSummit

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Welcome & Introduction



Alex Leadbeater
Technical Security Director
GSMA

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SESSION 3: **Strengthening 5G Security in 2023**

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SESSION 3 AGENDA

Session 3 Speakers

- **David Rogers**, Chair of the GSMA Fraud & Security Group, Copper horse Ltd.
- **Leonid Burakovsky**, 5G Security CTO, Palo Alto Networks
- **Jerome Birot**, VP-Voice & Services Development Opportunities, Telus



Session 3 Panel

- **Leonid Burakovsky**, 5G Security CTO, Palo Alto Networks
- **Jerome Birot**, VP-Voice & Services Development Opportunities, Telus
- **Nagendra Bykampadi**, VP, head of security architecture and standards, Rakuten Symphony
- **Derek Manky**, VP Global Threat Intelligence, Fortinet

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Expert View of Current Security Landscape



David Rogers

Chair of the GSMA Fraud & Security Group,
CEO of Copper Horse

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**Strengthening 5G
Security in 2023**



Leonid Burakovsky
5G Security CTO
Palo Alto Networks



Jerome Birot
VP-Voice & Services
Development Opportunities
Telus

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Strengthening 5G Security in 2023

Leonid Burakovsky, 5G Security CTO, Palo Alto Networks

Jerome Birot, VP- Voice & Services Development Opportunities, Telus

5G WILL RESHAPE SERVICE PROVIDER BUSINESS AND ENTERPRISES



INDUSTRIES

Manufacturing, transportation, logistics, smart agriculture, ...



CRITICAL INFRASTRUCTURE

Utilities, oil & gas, public safety, defense, ...



SOCIETY

Healthcare, smart cities, connected cars, digital commerce, entertainment, ...

DIGITAL TRANSFORMATION

5G CONNECTIVITY FABRIC

ENTERPRISE-GRADE SECURITY

ORGANIZATIONS MUST ASSUME THEY WILL BE TARGET OF NATION STATE ATTACK

Nation State Attacks Are Increasing

+100%

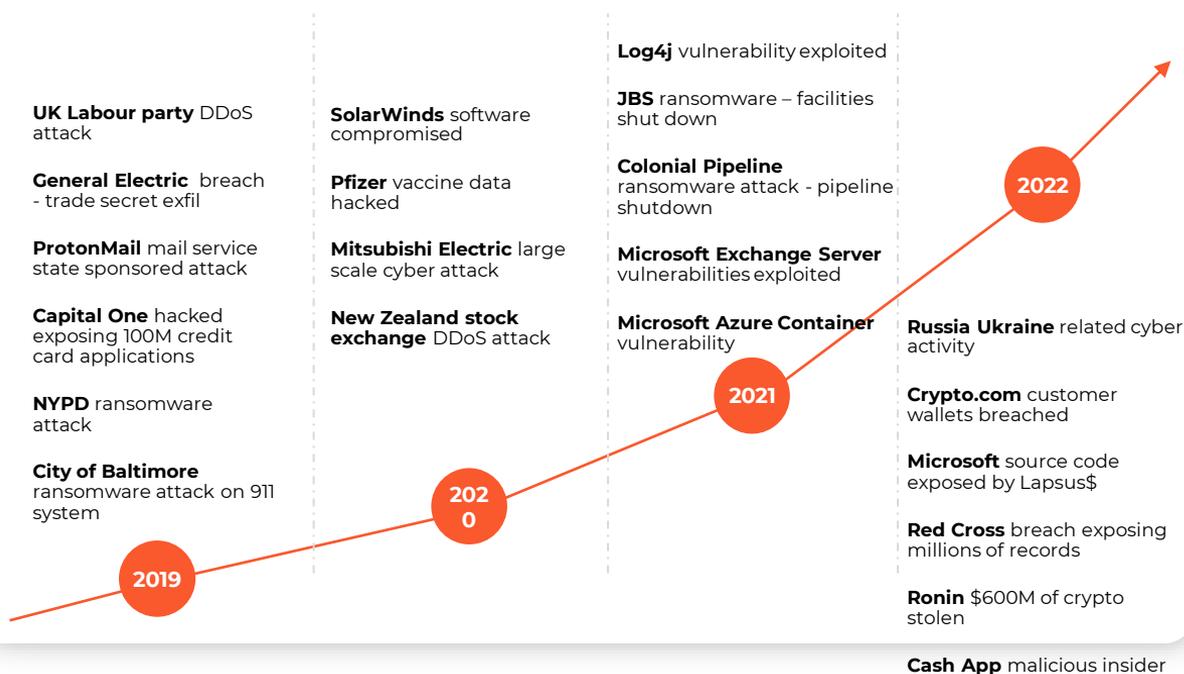
10+ New attacks detected every
month since 2019

Ransomware Payouts Continue to Grow

\$570K

Average ransomware payment.
Up 395% over past 2 years

Significant cyber incidents continue to increase rapidly



Sources: CSIS Significant Cyber Incidents; Nation States, Sept. 2021; Cyberconflict and the web of Profit, by Dr Michael McGuire, April 2021

5G IS FUNDAMENTALLY DIFFERENT – SO ARE SECURITY REQUIREMENTS



MANAGING CYBER RISKS IN COMPLEX 5G ENVIRONMENTS REQUIRES ZERO TRUST with 5G subscriber-ID and equipment-ID granularity across...



All layers

Applications, signaling,
data, management,
per-slice security



All locations

Roaming, RAN, DC, N6,
Open-RAN, APIs



All attack vectors

Threats, vulnerabilities,
attacks: malware,
command & control,
remote code execution,
botnets, etc



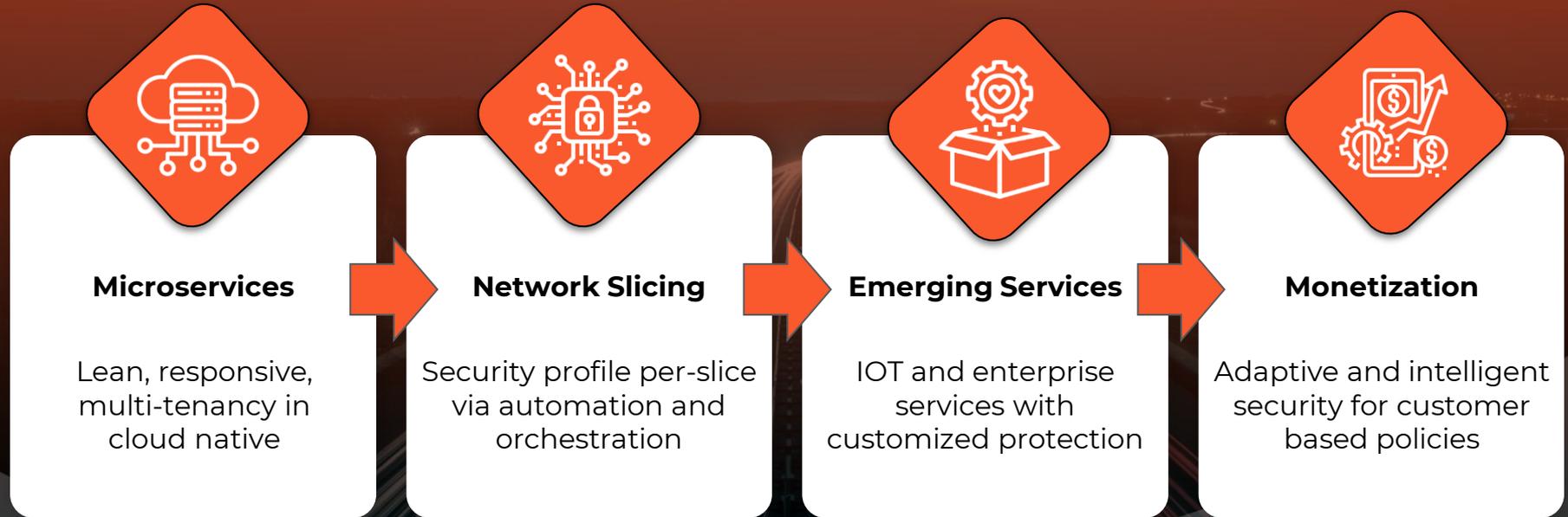
All software lifecycle stages

DevOps, CI/CD,
runtime

Automation, ML, AI

EVOLVING SECURITY BEST PRACTICES WITH 5G

A SERVICE ORIENTED ECOSYSTEM...



USING SECURITY AS A COMPETITIVE ENabler



Cost center



Profit center



—
**Secure your 5G Networks
with Palo Alto Networks**

Visit our booth located at **Hall 4 #4D55**

Learn more about 5G security at paloaltonetworks.com/5g

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PANEL DISCUSSION

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PANEL DISCUSSION

Moderator



Alex Leadbeater
Technical Security Director
GSMA



Jerome Birot
VP-Voice & Services
Development Opportunities,
Telus



Leonid Burakovsky
5G Security CTO
Palo Alto Networks



Nagendra Bykampadi
VP, Head of security architecture &
standards
Rakuten Symphony



Derek Manky
VP Global Threat Intelligence
Fortinet

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THANK YOU

Join us from 5:45pm today at the Industry City stage for networking drinks - see you there!

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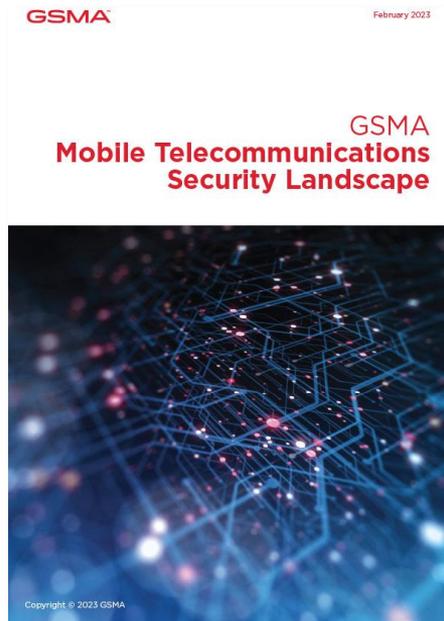


GSMA Mobile Telecommunications Security Landscape 2023 is now live!

Here is everything you need to know about the security landscape in 2023.

Also, follow us on  **GSMA – Security and Fraud**

Keep you updated with the latest security news, releases and events.



Download now!

