



Advancing your cyber maturity through improved resilience



Keynote Speaker:

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Introduction of the speaker



Professional profiles roadmap

Year 2014:

Chartered Fellow of Information Technology Professional by British Computer Society

Year 2020-2022:

1. Harvard MBA programs focussing Cybersecurity
2. Early certified CCISO (CISO leadership)
3. Invited to EC-Council CCISO Advisory Board Member

TODAY marking 30 years of Information Security industry contributions, strategic leaderships and business enabling advisories for resilient cyber world since 1994.

Year 2008-2013:

First PCIDSS compliant secure online payment cloud architecture and top 3 VISA certified security key manager center for all banks in Malaysia

Year 2023:

1. 1st in Malaysia Accredited Fellow by Royal Chartered Institute of Information Security (CIISEC). Industry recognition as 2nd International Fellowship
2. Invited to EC-Council Certification Committee Member
3. Accreditation assessor for UK Cybersecurity Council (UKCSC)

Year 2024:

1. Honorary Doctorate of Business Administration (Hon. DBA)



More than 3 decades of industry contributions in Information Security

Schemes and Regulators:



Banks and Acquiring Partners:



Digital wallets and payment service providers:



National Ministries and Agencies:



International Security Standards:



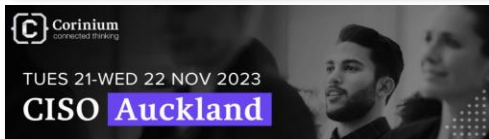
Consultancy Partners:





Active knowledge contributions in Information Security

Event Speakings/Panels



Publications/Writings





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The important focus:

How can we enhance incident response for **quicker recovery and reduced downtime**?

What steps can we take to **implement continuous monitoring and mitigate threats**?

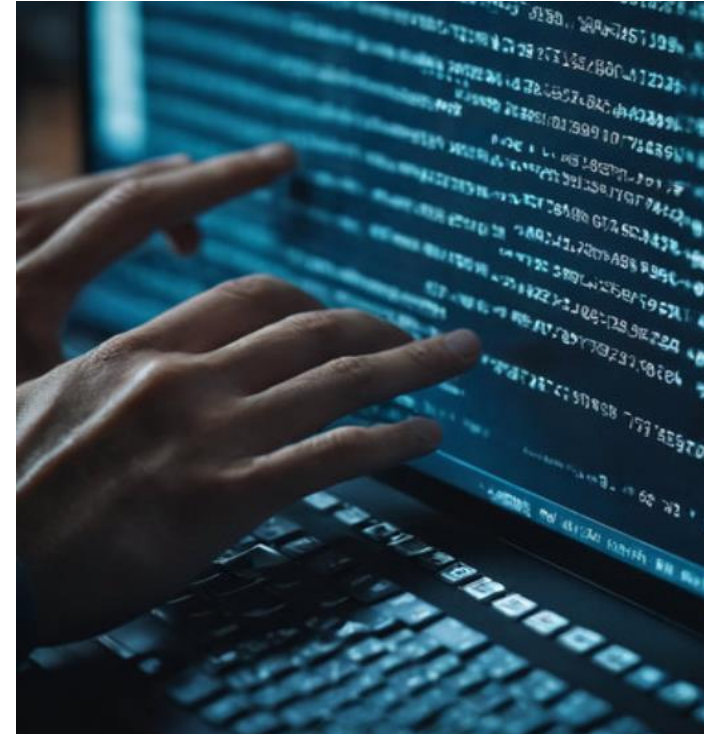
How do we strengthen security awareness to **foster a digitally resilient organizational effectiveness**?





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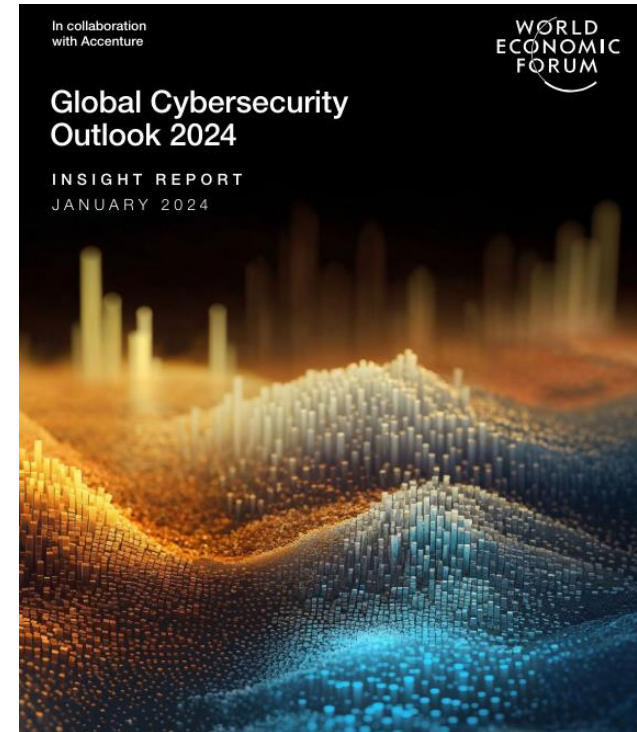
Current state of Cyber Maturity





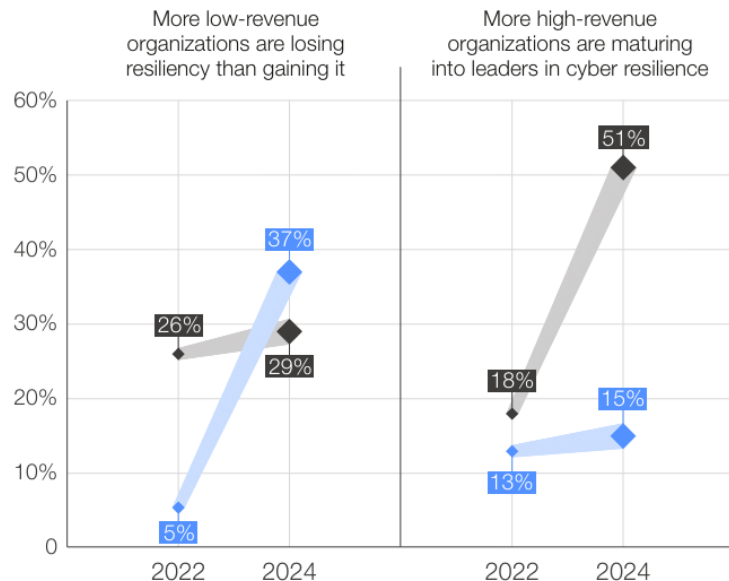
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An understanding from Global Cybersecurity Outlook 2024 by World Economic Forums





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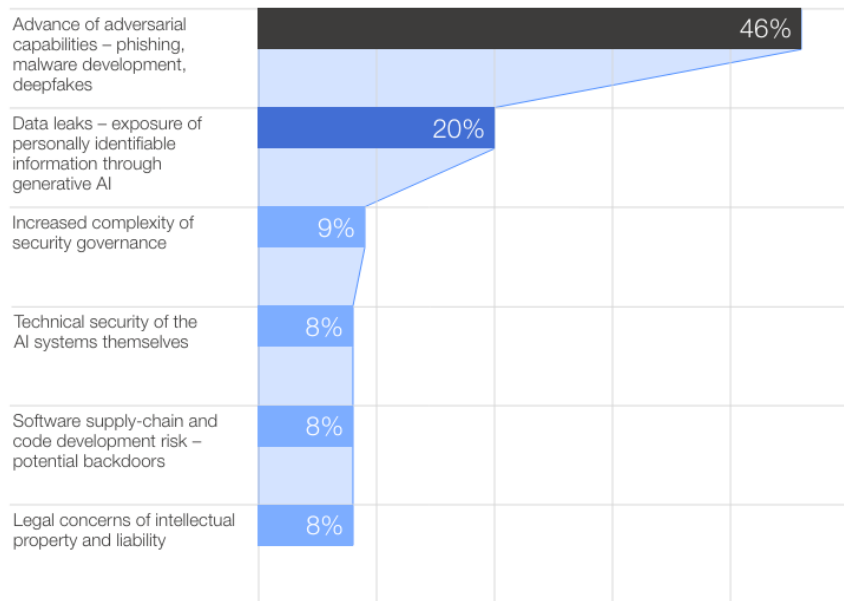
There is growing cyber inequity between organizations that are cyber resilient and those that are not.

● Our cyber resilience is **insufficient** ● Our cyber resilience meets **minimum requirements** ● Our cyber resilience **exceeds** our requirements



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What are you most concerned about in regards to generative AI's impact on cyber?

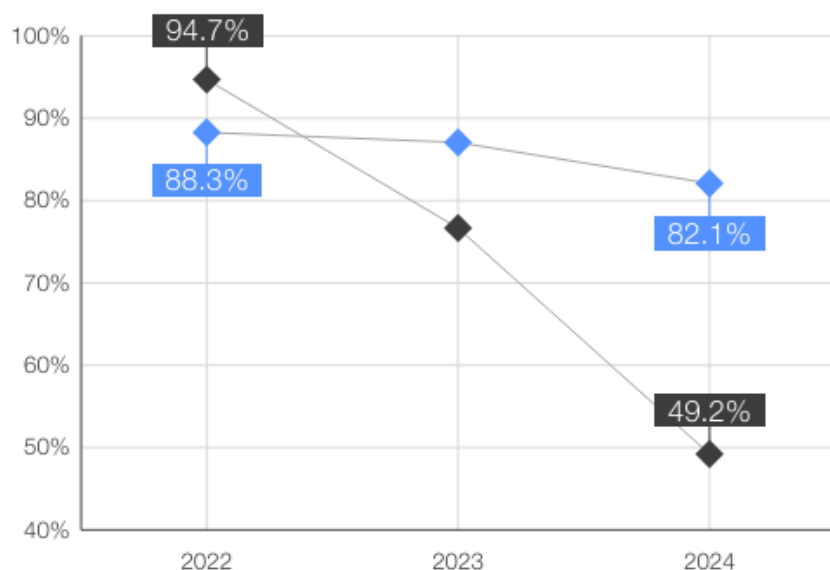


Emerging technology will exacerbate long-standing challenges related to cyber resilience.



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Does your organization have the skills needed to respond to and recover from a cyberattack?



The cyber-skills and talent shortage continues to widen at an alarming rate.

● Low-revenue organizations ● Medium- and high-revenue organizations



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Alignment between cyber
and business is becoming
more common.



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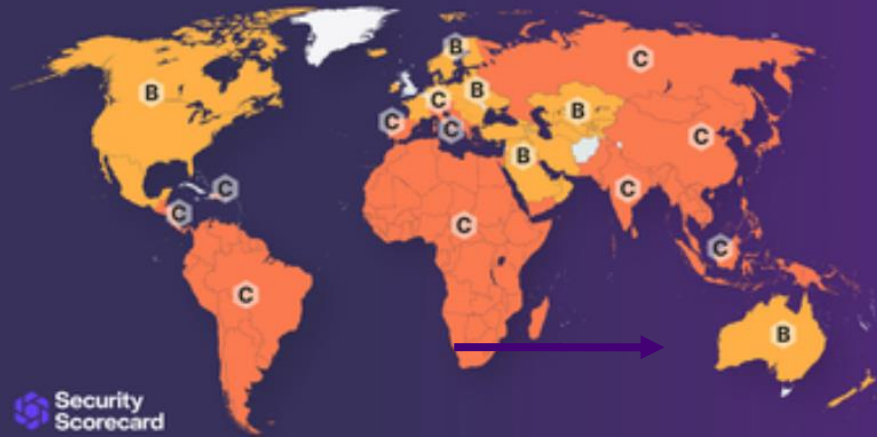


Cyber ecosystem risk is
becoming more problematic.



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The Cyber Resilience Scorecard Global Heatmap



Grade	Breach Likelihood
A	1x
B	2.9x
C	5.4x
D	9.2x
F	13.8x

The world is
Likely BREACHED
at least
2.9 times and
worst at 5.4 times



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**Strategic signs
cyber maturity
successfully advanced**





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1

**Rapid
and effective
incident
response
capabilities**

2

**Proactive
threat detection
and mitigation
practices**

3

**Automated
people
cybersecurity
awareness and
training levels
by individual
profiling**

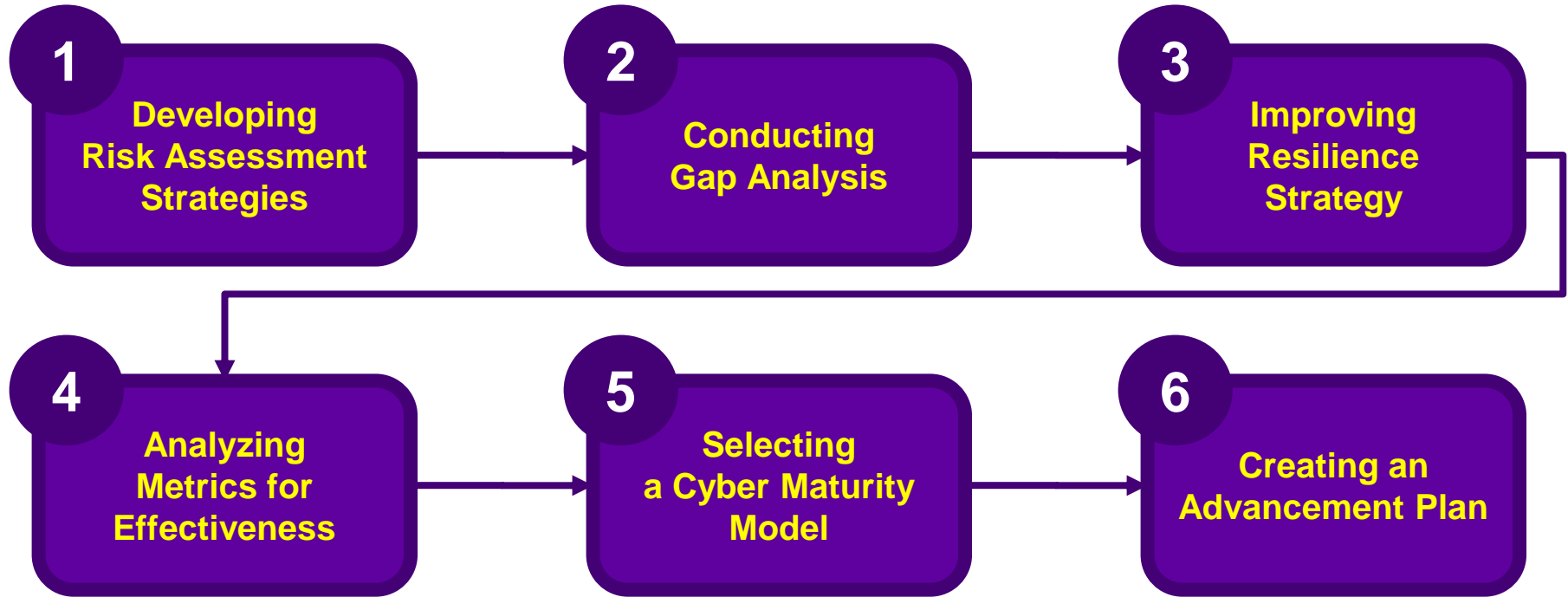
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Methodologies to improve resilience





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Developing Risk Assessment Strategies





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1

**Proactive
identification**

of potential
threats is
achieved through
continuous risk
assessments.

2

**Integrated
emerging risks
management**

into assessments
by utilizing threat
intelligence.

3

**Regularly update
risk assessment
frameworks**

to ensure
they remain
relevant.



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Conducting Gap Analysis





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1

Identify weaknesses in current resilience strategies through comprehensive gap analysis.

2

Collect and analyze data accurately to identify gaps in your strategy.

3

Prioritize gaps based on their risk impact and organizational needs.



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Improving Resilience Strategies





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1

**Implement
effective
mitigation
measures**

to close identified
gaps in your
strategy.

2

**Enhance
resilience
strategies
using automation**

for monitoring and
response.

3

**Continuous
improve
holistically**

to address
evolving threats
and vulnerabilities.

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Analyzing Metrics for Effectiveness





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1

**Measure
incident
response times**
as a key
performance
indicator (KPI).

2

**Track
the number of
vulnerabilities
identified and
mitigated**
as essential
metrics.

3

**Use dashboards
and reporting
tools to provide
visibility**
for enterprise
decision-making.



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Selecting a Cyber Maturity Model





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1

Knowing enough maturity models available

- NIST CSF,
ISO 27001,
COBIT, and other models.

2

Evaluate if a maturity model fits

your organizational size, industry, and specific needs.

3

Consider integrated mapping of maturity models
aligned to custom business needs.



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Creating an Advancement Plan





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1

**Define the
current state
and preferred
future**
for maturity
improvement.

2

**Design
meaningful
journey,**
milestones and
checkpoints to
track progress and
ensure alignment.

3

**Implement a
continuous
measurable
improvement
cycle**
to achieve
targeted maturity
levels.



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Useful key takeaways



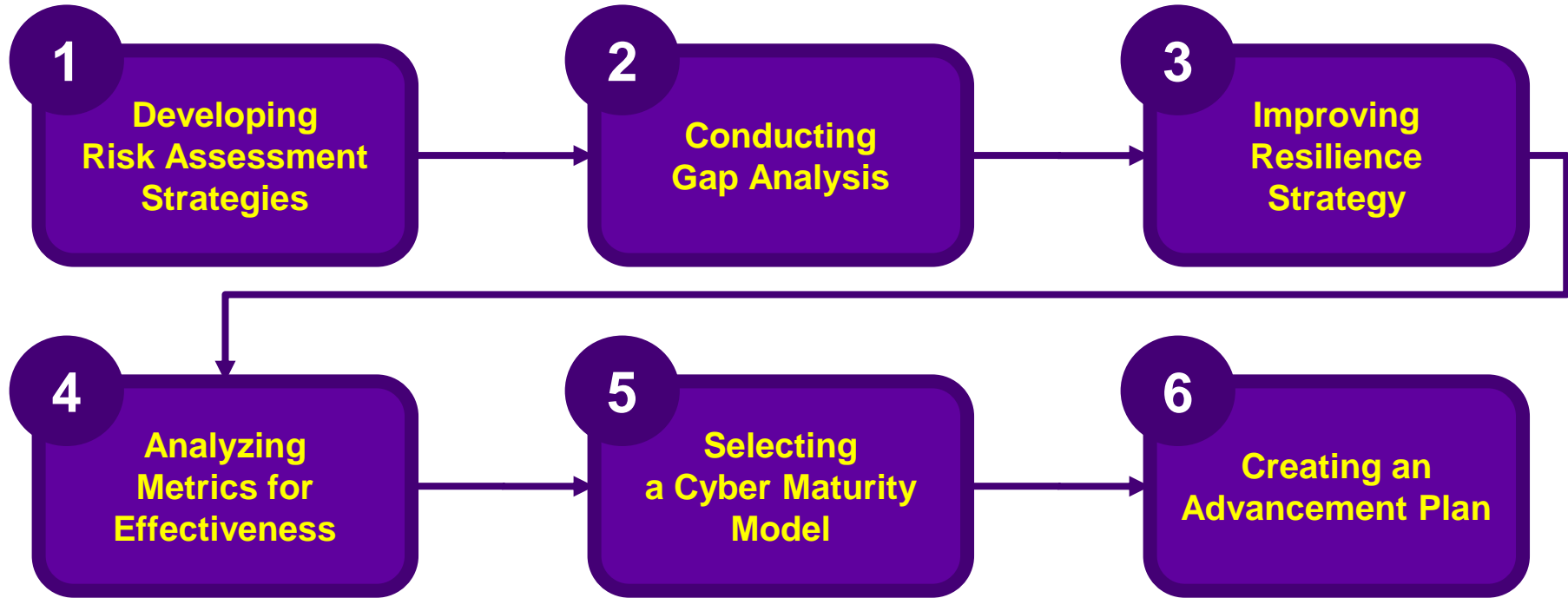


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Getting to next level of cyber maturity **is crucial**
while will need a modernised, integrated and humanised
resilience improvement strategic roadmap



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for a cyber resilient enterprise and culture
with **sustainable business values of...**



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1

**Rapid
and effective
incident
response
capabilities**

2

**Proactive
threat detection
and mitigation
practices**

3

**Automated
people
cybersecurity
awareness and
training levels
by individual
profiling**



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and it means your business
ensures peace of mind and digital trusts
for customers and stakeholders.



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Questions and Answers

Thank you.



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