

5G

SECURITY RISK ASSESSMENT

Addressing the complexity of
5G deployment with end-to-end
risk assessment

THE LANDSCAPE

YOUR 5G FOOTPRINT IS EXPANDING...
BUT SO ARE YOUR RISKS.

5G, the fifth generation of wireless networking, is the new global cellular communications standard. It is expected that by 2025, the number of 5G connections is estimated to hit **1.2 billion**.

5G is faster, has lower latency, is more reliable, and has better capacity for handling the growing

number of connected Internet of Things (IoT) devices. This is all better for business.

The caveat? Security. Proactively protecting your business from the risks that come with faster, vaster 5G connectivity is getting even more complex and difficult to track.

THE CHALLENGES

14 BILLION WEAK LINKS, GLOBALLY...
DO YOU KNOW YOUR COMPANY'S EXPOSURE?

Challenge 1



More complex networking

The private 5G business environment is complex, bringing with it new architectures, new linked technologies, and new business operations. Without an understanding of every entry point in the network, this complexity can trip you up. The integrity of your network is also at risk if you aren't keeping up with the latest security solutions.

Challenge 2



Greater area of attack

As the number of connected users and IoT devices grows, the surface area of risk expands, too. IoT device connections are increasing by **18% per year**, on course to pass **14 billion**. And, because there's no standardization for IoT security, these devices could weaken your defenses, with attackers using them as points of entry.

Challenge 3



More data in storage and transit

5G offers greater capacity for storing and submitting data, but this exponential growth of data becomes increasingly difficult to monitor and track, leaving you vulnerable.

THE SOLUTION

REGAIN CONTROL AND UNLEASH
YOUR GROWTH POTENTIAL

Capgemini's 5G Security risk assessment solution offers a comprehensive, end-to-end view of your risk related to people, processes, and technologies in 5G networks.

3 steps to visibility with Capgemini 5G Security:



DISCOVERY

We conduct preliminary interviews with stakeholders and identify assessment sites, security levels, IoT assets, and compliance requirements. This covers risks across both your infrastructure (wholly owned or shared network) and non-infrastructure (people and processes).



ASSESSMENT & DATA COLLECTION

We document and present the discovery findings in a detailed report that highlights specific compliance gaps. We include a review of your existing 5G security policy and procedures to identify critical gaps.



RECOMMENDATION & MITIGATION

With a complete view of your security maturity level that clearly shows your strengths and weaknesses, we present a report of recommendations rooted in Zero Trust principles to help you deliver enterprise-grade security. This is your smart, tailored roadmap to reducing risk exposure.

WHAT SETS **CAPGEMINI** APART?

WE PINPOINT RISKS SO YOU CAN PRIORITIZE INNOVATION.

Capgemini's experts have an intimate understanding of the complex industry specific standards and compliance guidelines businesses across various sectors and geographies must meet. This expertise is strengthened by insights from our trusted, global partner ecosystem.

Valuable business benefits you'll enjoy as a result include:

- 01** **Holistic visibility** of your 5G private network environment.
- 02** **Compliant operations** which are aligned to widely accepted security best practices and standards, like ENISA, 3GPP IETF, ISO, NIST Risk Assessment and IEC 62443 frameworks.
- 03** **Boosted in-house capabilities** to implement monitoring and predictive maintenance, improve safety and drive innovation. All thanks to the visibility and guidelines our 5G solution provides.
- 04** **Better business performance (that boosts your bottom line)** as you can focus on the opportunities 5G opens, knowing your risks have been quantified and actioned.
- 05** **Cost savings** on security efforts, thanks to proactive risk planning instead of reactive crisis tackling.

**REMEMBER, SECURE FOUNDATIONS
OPENS A WORLD OF OPPORTUNITIES**

**Trust Capgemini to
be your guide.**



About Capgemini

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