

QUANTUM SAFE

Quantum Security

HOW CAN TELEFÓNICA TECH HELP?

We help you protect your infrastructure against the threats of quantum computing through a secure and gradual analysis and transition to post-quantum cryptography solutions

In the age of quantum computing, anticipating threats is essential. This service not only transforms your digital environment but also consolidates your technological sovereignty through a robust strategy based on three pillars: identify, protect and govern.

We carry out a comprehensive diagnosis of your infrastructure and cryptographic assets, identifying vulnerabilities and needs. We implement a gradual migration to post-quantum algorithms that ensures operational continuity, protects critical data and reinforces

the security of their communications, always adapting to the specific requirements of their environment.

Thanks to our experience and capabilities, we help our customers achieve end-to-end security, guaranteeing regulatory compliance and operational continuity in an increasingly interconnected and challenging world.

WHO IS THIS SERVICE FOR?



Large companies and financial institutions that manage critical information.



Government organizations that require high security standards.



Technology companies seeking to ensure their digital transformation in sensitive environments.

OUR VALUE PROPOSITION

Our service

Our service offers an end-to-end transformation that ranges from consultancy for the identification of cryptographic assets and risk analysis to the development of a transformation plan for infrastructure, applications, data, and communications.

This comprehensive solution is designed to securely update infrastructure, applications, and data, enabling controlled migration and compatibility with hybrid environments.

What does it allow you to do?

This service will allow you to:

- › Progressive migration to algorithms resistant to quantum attacks.
- › Protect critical communications and data in real time.
- › Integrate cryptoagility into governance and daily operations, ensuring continuity and regulatory compliance.
- › Detect vulnerabilities and manage risks through comprehensive assessment.

Benefits of the service

Advanced Protection

Defend your assets against the emerging threats of quantum computing.

Digital Sovereignty

Guarantees control and privacy of information, essential for compliance with international regulations.

Transformation Without Interruptions

A gradual migration that minimizes risks and costs, adapting to your current systems.

Visibility and Agility

Obtain a complete overview and immediate response to incidents thanks to continuous analysis and monitoring tools.

Telefónica Tech's differential value



Comprehensive strategy based on identifying, protecting and governing cryptographic assets, guaranteeing migration without interruptions.



Adaptability and personalization of the solution, complying with international regulations and the specific challenges of each customer.



End-to-end visibility and a proactive approach that anticipates emerging threats in the age of quantum computing.

EQUIPMENT, TEAMS, AND ACHIEVEMENTS

Our teams

- › **+1.800** SecOps employees.
- › **+1.500** security certifications.
- › **+200** elite Threat Hunting analysts.

Achievements

- › **159** monitored adversaries.
- › **565K** campaigns detected in 2020.
- › More than **32,7 million** IoCs generated in the last 12 months.

BUSINESS MODEL

The service consists of a first fundamental part which is the consultancy (identification). In this part, all the customer's cryptographic assets are identified and evaluated, and a report of the results is provided.

Following this, different PoCs are carried out in order to draw up a transformation plan (protection) for the infrastructure, the applications, the data, and the communications.

Finally, E2E visibility would be provided for all the tools and cryptoagility would be included in the governance of cryptography.

RELATED PARTNERS



RELATED SERVICES

Information Rights Management

It allows companies to have their sensitive information under control and protected, limiting access to documents to those who should have it, with the minimum permissions necessary to carry out their function, following the principle of least privilege.



Digital Certificates

We guarantee the security of your website by issuing TLS/SSL certificates through our own platform, exhaustively monitoring our customers and controlling the entire life cycle of the certificates.



Contact us to start the digital transformation of your organization.

