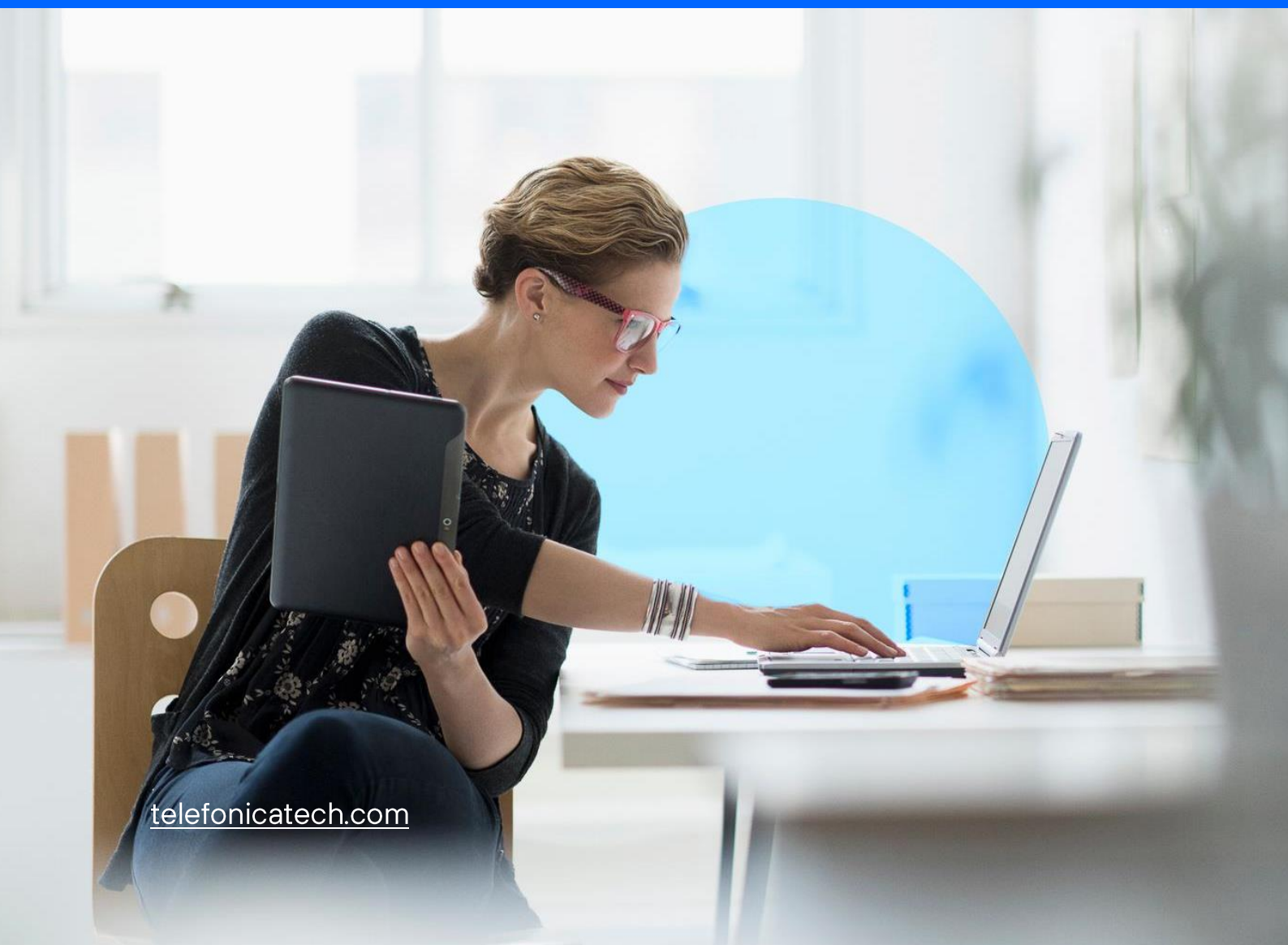
Telefónica Tech

CYBER SECURITY

# SIA Essentials

## Threat Scenario Report 2024



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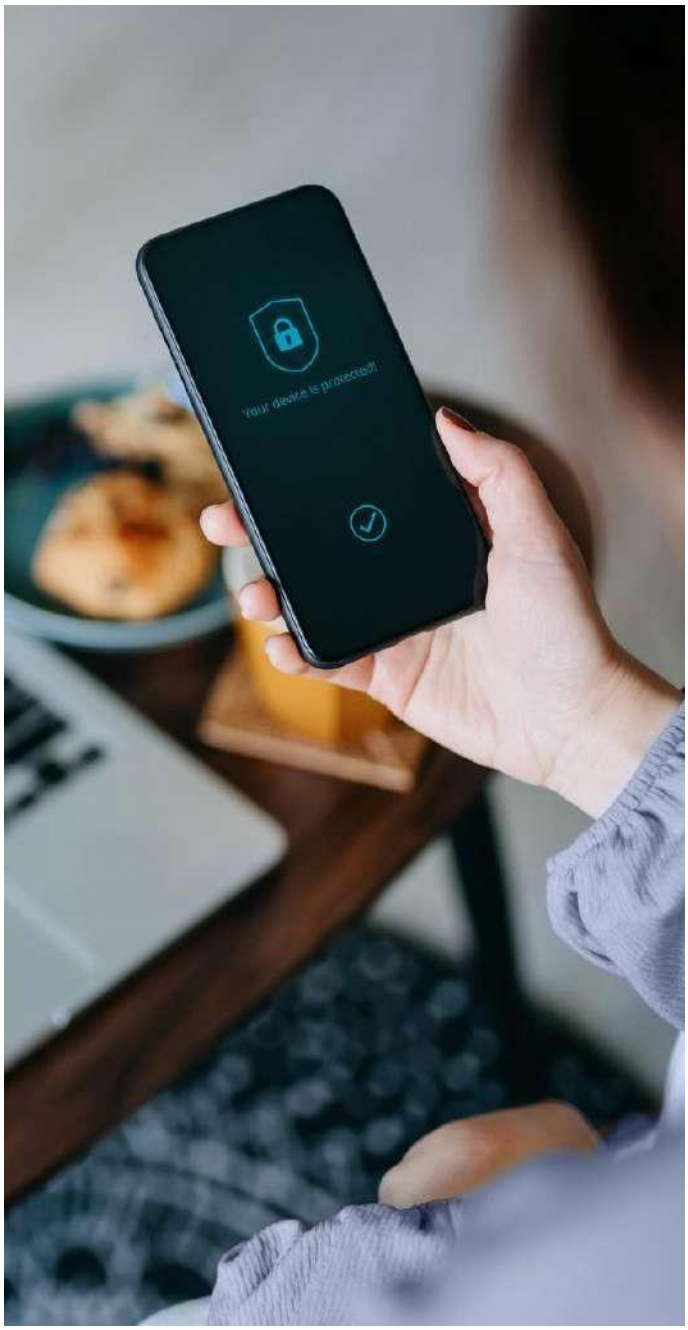
# 01 Introduction

Security is no longer an add-on, but an essential component of any business strategy in the current era of digital transformation. The massive adoption of cloud solutions, the rise of telecommuting and the proliferation of connected devices have converged to create an unprecedented threat environment.

Given this landscape, organizations face a constant challenge: how to protect their digital assets in a world where cyberattacks are becoming more sophisticated and the consequences more devastating. The answer lies in proactive, adaptive, threat intelligence-driven cyber security.

**According to the Hiscox Cyber Readiness Report, 96% of Spanish companies will have suffered a cyberattack by 2024.[1]**

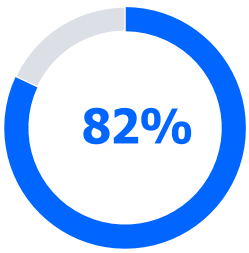
The purpose of this document is **to provide companies with information on the current threat landscape for digital and modern workplaces and to describe**, through Telefónica Tech's SIA Essentials service, how a better security posture can help protect your business.



[1] Hiscox Report 2024.

# 02 Threat scenario overview

In the current context of digital transformation, the exposure surface to cyber threats has expanded significantly. The accelerated adoption of cloud environments, hybrid work, and the proliferation of connected devices have created new attack vectors that organizations must appropriately manage.




**Of cyberattacks arise through the human factor.[2]**

The most relevant threats continue to evolve in sophistication and impact capacity. Ransomware, advanced phishing, and malware campaigns have been consolidated as the main risks for Spanish organizations during 2024.[3]

Spain holds a prominent position on the global cyberattack map, which requires a comprehensive approach to cyber security. Cybercriminals continue to innovate in their tactics, techniques, and procedures, taking advantage of vulnerabilities in cloud systems, APIs, and IoT environments. User training and awareness are crucial elements to mitigate these risks.[4]

[2] Verizon DBIR 2024
[3] INCIBE - Estado de la Ciberseguridad en España
[4] CCN-CERT - Informe de Amenazas
[5] Fuente: IBM - Cost of a Data Breach Report 2024

## Most common cyberattacks in Spain in 2024

- **RANSOMWARE**
- **DDOS**
- **PHISHING**

## Main attack vectors

- Email
- Corp & Cloud Servers
- Mobile phones

**34%**
Of companies have been the victim of a cyberattack through a mobile device.[2]

**4,88 M dollars**
Average cost of a data breach.[5]

# Current common Internet threats

## Malware

**Malicious software (such as ransomware) developed to damage or disrupt devices or their data (by encrypting them with a secret key) or to gain unauthorized access to a network.**

## Phising

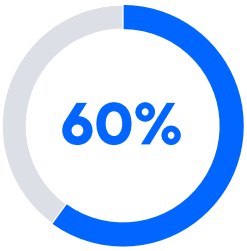
**Web links in emails, SMS or other places designed to encourage watches that lead people to malicious websites where their valuable personal information can be collected. Examples of phishing may include Business Email Compromise (CEO Fraud) or financial fraud.**

## Malicious Bots*

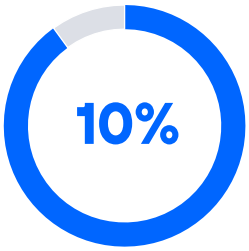
**Software that is secretly installed on computers and controlled remotely. Malicious botnets find and upload valuable information, launch DDoS attacks, provide access to machines and much more.**

* There are also legitimate bots that perform many repetitive tasks on the Internet

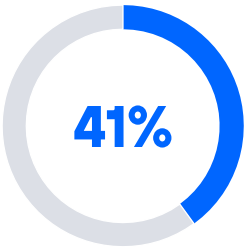
# 03 Business impact



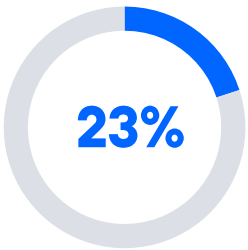

**60% of Spanish SMEs** that suffered a cyberattack in 2024 reported significant losses that **compromised their business continuity**.[6]




**Spanish companies lost 10%** of their revenues during 2024 **due to cyberattacks,** especially from ransomware and data breaches.[7]




**41% of Spanish companies** admitted that their employees use personal mobile devices (BYOD) without adequate security measures, **which increases the risk of security vulnerabilities.**[8]




**23% of Spanish organizations were victims of ransomware** in 2024, positioning Spain as the fifth most affected country in the world.[9]

[6] ReportLinker - Spain Cybersecurity Market Report Q4 2024
[7] S21sec - Threat Landscape Report 2024
[8] ESET - Estudio sobre BYOD y seguridad móvil en España 2024
[8] S21sec - Threat Landscape Report 2024

# 04 SIA Essentials by Telefónica Tech

## What does it do?

Telefónica Tech's service protects mobile users when accessing the Internet from security threats such as phishing or malware downloads such as ransomware.

## How can I have it?

All you need to do is sign up for a compatible mobile rate and Telefónica will automatically activate the service. [9]

## How does it work?

**It works by evaluating network traffic used for browsing** (Domain Name System (DNS) queries) **to identify and block malicious activity.**

In addition to protecting clients from malicious activity, administrators can manage Internet content access policies to align with corporate policies.

All of this is supported by the powerful configuration and viewing capabilities of the customer portal and without the need to download or install anything on the users' device.

**Service analysis: results up to December 2024.**

**1.857.746.735**
Total Blocked Threats (TBT)

**1.683.149.783**
(90,60%)
Blocked access to malware websites

**128.884.123**
(6,94%)
Blocked bots

**45.712.829**
(2,46%)
Blocked phishing websites

**1.444.238** Protected Devices

**+1286** Average number of blocked threats per device

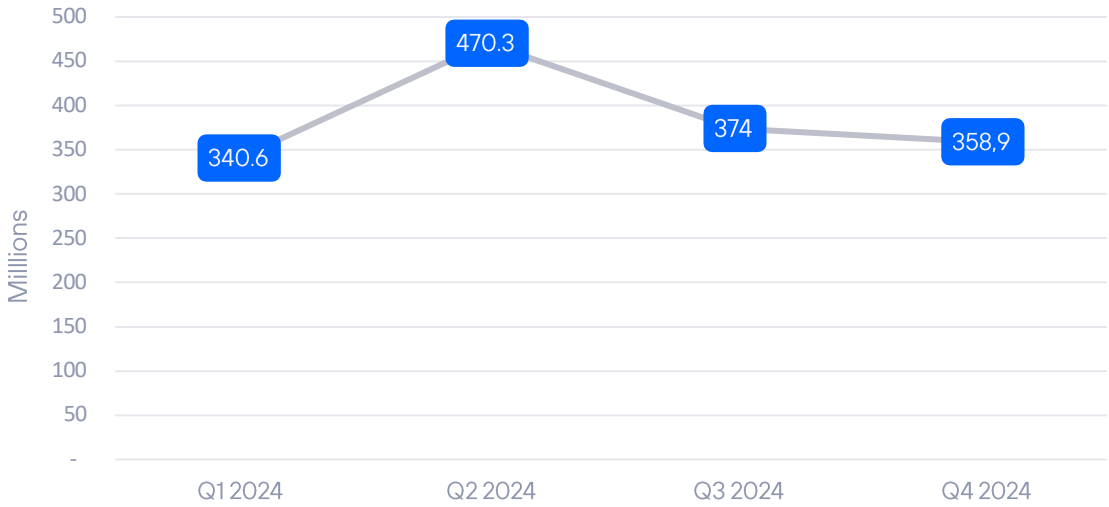
[9] *To find out which rates are available in Spain, ask for SRM (Seguridad en Red Móvil) - Telefónica's SIA Essentials service in Spain.*

# 05 Trends 2024

Service evolution from the 1st to the 4th quarter of 2024

## TOTAL NUMBER OF THREATS BLOCKED IN COMPANIES

(million per quarter) Source: Telefónica Tech/Akamai




## TOTAL NUMBER OF THREATS BLOCKED IN COMPANIES

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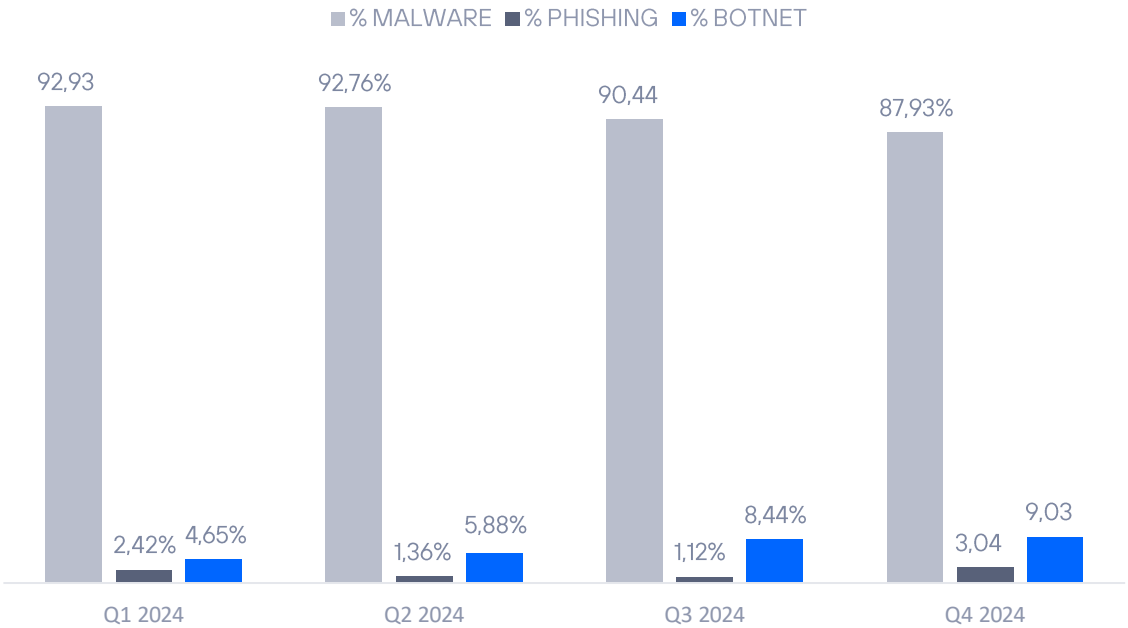

# 06 Conclusions

Cyber security consolidates as the top business concern in 2024, according to the Allianz risk barometer, highlighting the need for proactive strategies to protect assets and ensure business continuity. The increase in the sophistication and frequency of cyberattacks requires a comprehensive response tailored to each organization, regardless of its size.

Telefónica Tech, through its SIA Essentials service, is positioned as a strategic ally, offering effective and transparent cyber security that protects corporate users in all their accesses. This commitment is reflected in the constant innovation and adaptation of its solutions to address emerging threats and ensure a secure digital environment for companies.

## About Telefónica Tech

Telefónica Tech is the leading company in digital transformation. The company has a wide range of services and integrated technology solutions in Cyber Security, Cloud, IoT, Big Data, Artificial Intelligence, and Blockchain.

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