



# How Bit Sentinel helped build the Orange Threat Map



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**Industry:** telecommunications

**Location:** Bucharest, Romania

**Founded:** 1997

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## The client

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**Location:** Bucharest, Romania

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“ I approached Bit Sentinel a couple of years ago when we needed a trustworthy cybersecurity partner with whom to develop BIS Threat Map. The team coordinated by Andrei proved to be very efficient and flexible in our collaboration. Moreover, whenever we or our clients had a suspicion of data breach or asked for a cybersecurity partner, Bit Sentinel team had a very fast response and always managed to satisfy even the most demanding requirements.

I highly recommend Bit Sentinel for penetration testing, code review or any incident response situation.”



Cristian Patachia,  
Development & Innovation Manager  
@Orange Romania

## The challenge

Orange Romania planned to develop a platform that can help key decision-makers and general audiences understand the impact and scale of cyber attacks in Romania.

This platform would also provide an opportunity to increase awareness around cyber threats and open dialogues with partners and customers who want to improve their defences.

## The solution

We worked closely with Orange Romania for almost 2 years to create what today is the **Orange Business Internet Security Threat Map**, now accessible to everyone at [bis-threatmap.orange.ro](https://bis-threatmap.orange.ro).

During this time, we added new building blocks, integrated tools and improved functionality and user experience to ensure this tool is valuable for target audience.

In their Business Internet Security Report (2018), Orange notes the:

*“Threatmap is a component of our Business Internet Security platform that provides a real-time overview of cyber attacks. The platform collects fully anonymous data from sensors – network and endpoint security equipment and displays information about current threats, attacks as they develop and statistics for major industry verticals.*

*Visitors can run a nonintrusive cyber-security scan on a specific website and receive a detailed report on major vulnerabilities found, plus recommendations.”*

## Key activities\_

Our team at Bit Sentinel developed the platform from scratch. Throughout the project we:

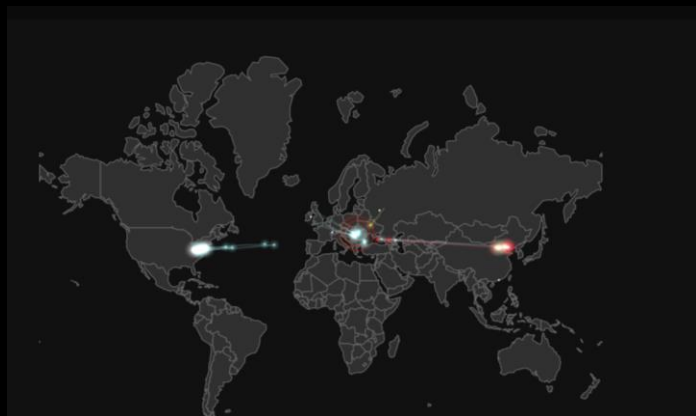
- **Designed and developed a solution to process and scale to over 3 million security events per month** from Orange B2B customers and display them in a user-friendly manner
- **Identified statistics** that reveal the impact security measures installed by Orange customers had
- **Integrated the platforms with other services**, provided by Orange Fab companies, such as Pentest Tools and Dekeneas
- **Developed a monitoring procedure** for Orange clients' websites to check them for vulnerabilities
- **Built an API to process big data** by using algorithms, machine learning, and artificial intelligence.

We currently maintain the platform, deploying regular features updates, bug fixes, design improvements and infrastructure upkeep\_

## Planning a cybersecurity project?

We'd love the challenge to build it with or for you\_

[Email us!](#)



## Technologies used\_

- cybersecurity skills and know-how (penetration testing, incident management and response, etc.)
- web design (including UI/UX)
- backend development (Laravel, PHP, Python, NodeJS)
- infrastructure architecture design and more.

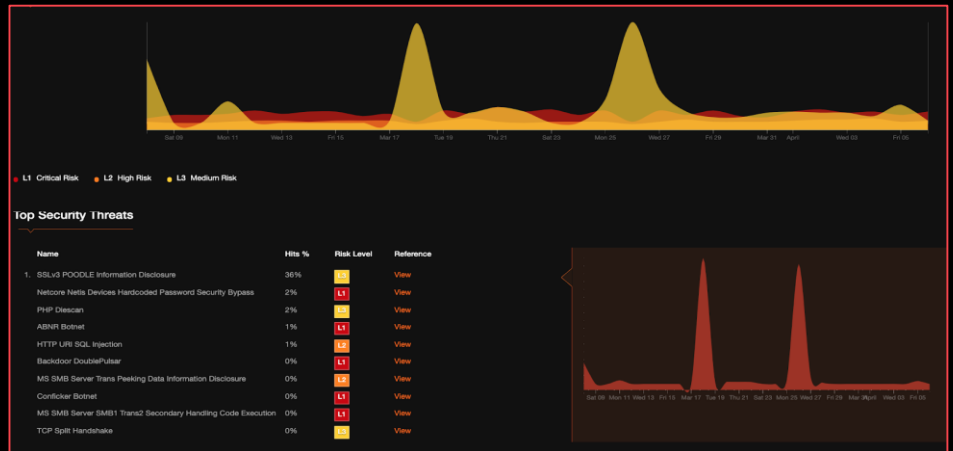
# The results\_

Orange Threat Map currently processes over 3 million cyber attacks each month and provides users with 4 types of information:

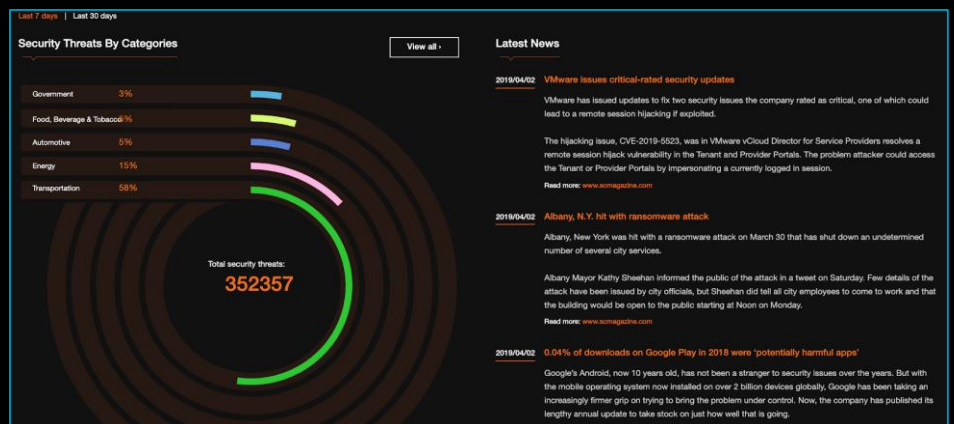
## Real Time Map



## Weekly & Monthly Statistics



## Business – Critical Security Insights



## Website Vulnerability Assessment

Real Time Map   Statistics   Insights   **Are you vulnerable?**   About

### Are you vulnerable?

Most probably, yes. We found critical vulnerabilities for 84% of the companies we tested in 2017. Enter your details below to for an instant test of your company website. Contact us for an in-depth evaluation of your entire network.

Your Company Website

Your Name

Your e-mail address (required to send you the report)

Orange Threat Map in the media\_

Ziarul Financiar (Nov 2018)

Club IT&C (June 2018)

Yoda.ro (Nov 2017)

Start-up.ro (Nov 2017)

## About us\_

We help companies discover, prioritize, and effectively remediate potential cybersecurity risks. Bit Sentinel is an information security company that aims to protect businesses against cyber threats by offering a variety of services like:

### Penetration testing

We assist companies to interpret, prioritize, and act on threat data to ensure business continuity and peace of mind.

### Incident response

We intervene promptly to apply disaster recovery plans, identify points of failure, clean up malicious code, and harden security to prevent subsequent attacks and fraud.

### Blockchain security

We perform external security audits for token sale and smart contracts, exchange platforms, token trackers and more.

### Managed security

We routinely assess security controls and implement proactive measures to ensure our clients' setup stays resilient and compliant.

### Cybersecurity consultancy

We thoroughly review current policies and procedures, working with each client to improve internal & external processes and minimize cyber risks.

### Security trainings

We help you understand and improve how your company reacts to the exploitation of human beings across departments.



# Let's have a talk!

## Contact info\_

Bit Sentinel

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