Carrefour: Case study

Timespan	313 Days
Country	Italy
Vertical	Retail

Threats Protection

Malicious Domains

21 malicious domains blocked per year every 100 employees

Malicious Domain	Blocked visits	Reason
hurirk.net	19	Spyware / Malware
netflixtvseries.com	2	Phishing

Malicious & Risky Extensions

17 Malicious* or Risky** extensions identified in real-time*** per year every 100 employees

***Approximately 6 months before their removal from official stores

Extensions	Details
Search Extension by Ask Print Friendly & PDF	Data leak permission Remote code execution permission

* An extension is malicious if it executes remote code or leak sensitive data
**An extension is considered risky if it already could execute remote code or leak sensitive data and may become malicious with a seamless update.

Attack surface reduction

Web Trackers

98 digital identities protected per year every 100 employees

Targeted attack example – Malvertising

eDreams is an interest to exploit, browser not updated and Friday night as a time when the user usually uses the work PC from home without using the VPN.
An attacker on Friday evening will be able to use the mechanism of online micro auctions to show a fake advertisement of a fake offer to purchase a flight ticket with a huge discount, clicking on which a page will open.
The opened page will exploit the browser vulnerabilities to install a ransomware on the PC.

Session Replay Scripts

121 potential credential exposure avoided per year every 100 employees

B2C Credentials

Over 65% of people use the same pattern for all their passwords.
To be compliant with the company's password policy they replace letters with numbers or symbols (i. e. with 3, i with an !, ...) and add a digit or a special character to the bottom.
With 2-3 B2C credentials attackers can retrieve the company credentials of 65% of employees.

Session replay script

yandex.ru

Domain

lastminute.com

Confidential

Our Results

Performances

	100 employees
Bandwidth savings	10 TB
Workload savings	32%
CO2 savings	140 KG
Trees planted	150

Risk Reduction

Carrefour risk per year	419.360 Euro
Ermes risk protection	60%
Economic benefits from Ermes adoption	251.616 euros/year
Exposure reduction (zero-day phishing)	72h