



# **HOLISTIC CYBER SECURITY FOR BUSINESSES**

F-Secure Business Portfolio



# YOUR BUSINESS DESERVES THE BEST PROTECTION

## Customer voices

“With forty or so sites, mainly interconnected via optical fiber, we needed an effective solution that enabled centralized management. The IT system includes 1000 workstations for schools and leisure centers and 1500 workstations for municipal authority sites. There are also smartphones assigned to elected representatives and members of the municipal council, which are few in number but highly sensitive.”

**Frédéric Pralong, Manager of the Infrastructure Services Division,  
Nanterre Municipal Authority, France**

“We can finally work with total confidence knowing that our computers are protected, while experiencing no performance issues.”

**Mr. Sree Vasan, Head IT Officer,  
Worldgate Express Lines International, India**

“We can rely on the F-Secure products and the cooperation with them is efficient. This has released resources and energy for other tasks.”

**Jukka Suikkanen, IT Specialist,  
Lindström Group, Finland**

“F-Secure seemed to be able to do everything we wanted in a security solution and most of all provide us with that peace of mind, as a business, that our data is secure.”

**Mark Short, senior technologist,  
Howarth Litchfield Partnership, UK**

# CYBER SECURITY IS THE CORE OF BUSINESS CONTINUITY



**Millions of customers, served through 200+ operators and 4000+ local reseller partners worldwide put their trust on F-Secure.**

F-Secure offers award winning cyber security solutions and services for today's businesses, developed by a European innovator in information security.

From best-in-class endpoint protection to cyber security strategies and incident response, we cover your business' IT security needs.

It is our mission to provide the most intelligent and reliable protection, detection and response for businesses and partners.

## Up-to-date cyber security

We cover all aspects of cyber security from prediction and prevention to detection and response.

We have been utilizing behavioral analysis and machine learning for a decade already to keep up with the constantly developing cyber threats.

## Time for a new, proactive approach

It's crucial to get cyber security right. To stay secure and keep business running smoothly, organizations must shift their efforts from the traditional defensive mode towards a proactive approach that delivers greater value to the enterprise.

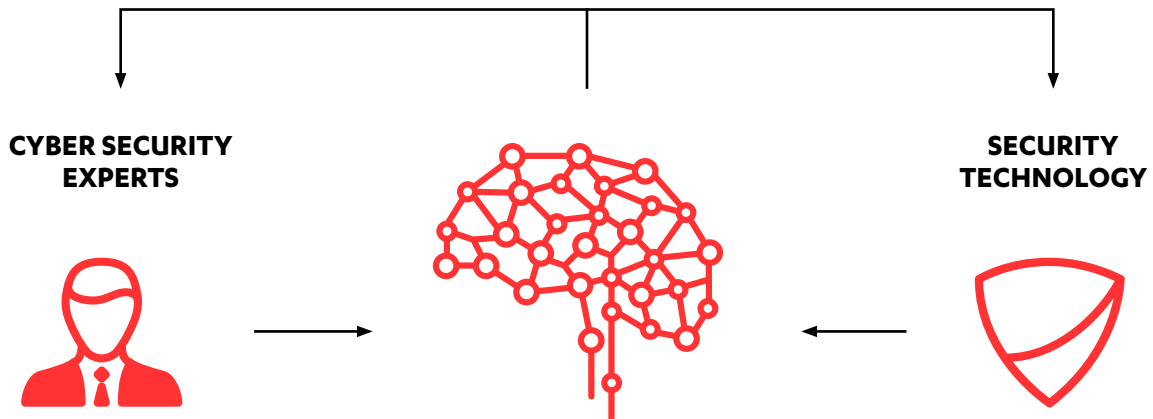


# Live Security – a relentless approach to cyber security

There is no one silver bullet for cyber security. It takes a combination of the latest human expertise and continuously improving technology to comprehensively predict, prevent, detect and respond to breaches.

It's why we use what we learn from the front line of cyber security to constantly improve our software and services. We combine real-world experience and expert insights with smart, scalable software to help our customers tackle every threat head-on.

We relentlessly study the threat landscape and have the best human experts who analyze hacker tactics and the motives behind cyber-attacks. That knowledge is then incorporated into our products to toughen up our defenses against any potential threat. This is done with the use of the latest artificial intelligence and machine learning.



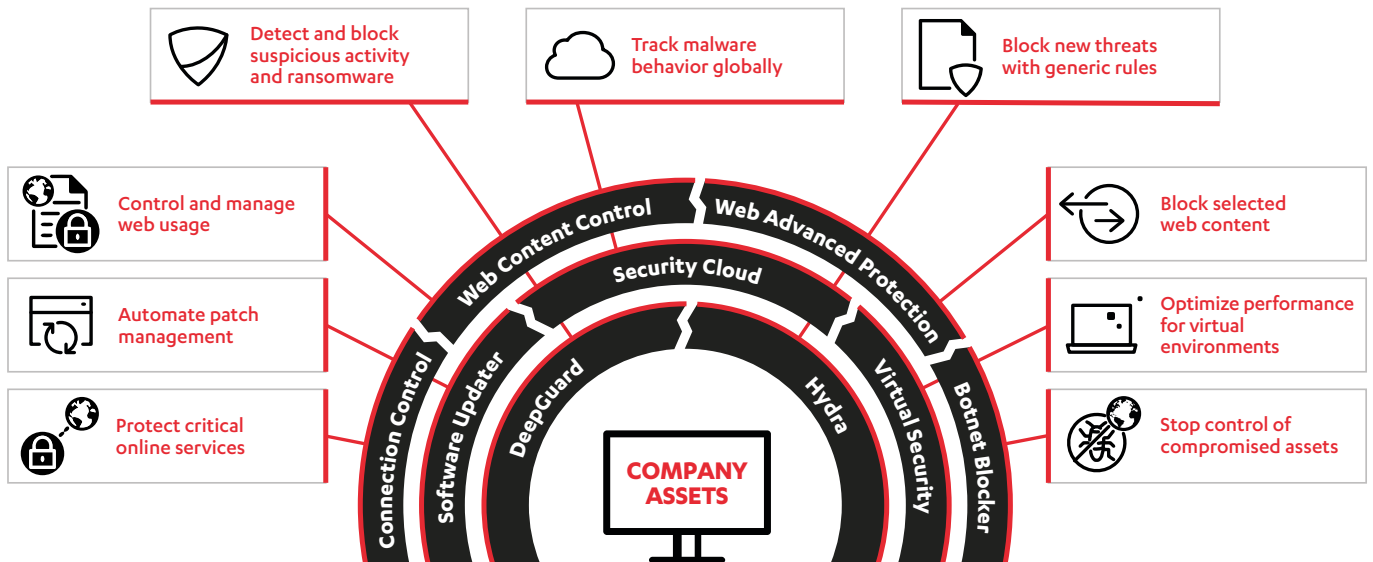
Our world-renowned labs research team, security consultants and ethical hackers constantly feed new lessons, insights and tactics from their frontline experiences into our solutions.

Our **Live Security**-approach combines the latest human expertise with scalable, automated software to rapidly and continuously improve the security of Europe's fastest growing businesses.

Our tens of millions of security solutions out in the field detect and block known and unknown threats. They feed real-time threat information back to our Security Cloud to ensure it is immediately available to all our products and services.

**IN THE DIGITAL AGE, EVERY BUSINESS IS A TARGET.  
DON'T BE AN EASY ONE.**

# THE BEST ENDPOINT PROTECTION IN THE WORLD



## Modern protection is so much more than anti-virus for Windows

Modern **endpoint protection** is much more than some individual technologies or just Windows antivirus. It needs to encompass other platforms and devices, such as Macs, mobiles and servers, including virtual ones.

Our endpoint solutions are built on several layers that enhance each other with automated tools such as patch management, and additional security features such as password management.

For endpoint protection to really be efficient, it needs to stop both commodity malware, zero-day attacks, and ransomware as well as targeted advanced threats. Here is an example of how our layered technologies prevented the infamous WannaCry ransomware outbreak.

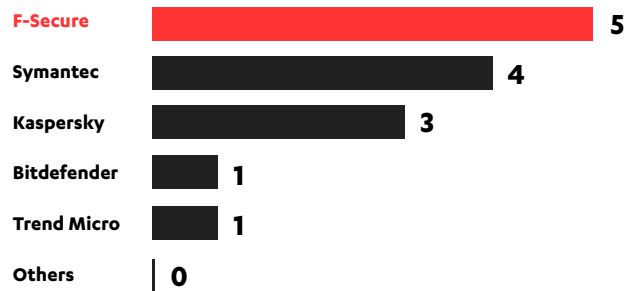
	Prevent Contact	Prevent Delivery	Prevent Exploitation	Prevent Execution			Prevent Control	Prevent Propagation		
WEB	Firewall	Browsing Protection	Patch Management	DeepGuard Exploit Detection	Application Control	DeepGuard Heuristic Analysis	DeepGuard Behavioral Analysis	Botnet Blocker	Network Quarantine	
EMAIL		Spam Filtering			Attachment Scanning					Ransomware Protection
USB		Device Control			Malware Scanning					
	↑	↑	↑	↑	↑	↑	↑	↑	↑	
	Prevented delivery through open 445 port	Prevented delivery via alternative methods	Prevented exploitation of the smb vulnerability	Prevented execution of application	Prevented encryption process	Prevented spread				

## Best protection is about consistency

Protection is not just a one-off award or recognition. It is something that is built every day of every month and every year.

This is where we have an unbeatable track record, as proven by the independent and prestigious AV-Test organization.

5 Best Protection awards in six years unarguably prove our category dominance in efficient endpoint protection. This consistent efficiency is further demonstrated by getting 6/6 for overall protection since January 2014.



Others: ESET, McAfee, Microsoft, Panda, Sophos

## Choose your way of getting the best protection

You can choose to have our award-winning protection either from the cloud, or hosted on site.

### PROTECTION SERVICE FOR BUSINESS



**Advanced multi-endpoint security solution with streamlined central management**



Cloud-based, no servers needed



Streamlined management and reporting

### BUSINESS SUITE



**Scalable security for full control and advanced central management.**



Local installation, on-site servers



Advanced management and reporting

# VULNERABILITY MANAGEMENT - HARDEN YOUR ATTACK SURFACE

## Vulnerabilities are the cause of most breaches

Most cyber attacks are executed on exploits of known vulnerabilities. Vulnerability and patch management are therefore the very basis of effective cyber defense. F-Secure endpoint products come with an integrated patch management solution, Software Updater. For more advanced vulnerability management, we offer a comprehensive vulnerability management solution, **F-Secure Radar**.



**4/5 cyberattacks on businesses are exploits of bugs in outdated software, and most malware is avoided by monitoring and keeping software updated all the time.**

## Manage business-critical vulnerabilities



**The best response to cyber threats is to foresee them. No other technology does that better than vulnerability management.**

F-Secure Radar is a turnkey vulnerability scanning and management platform. It allows you to identify and manage both internal and external threats, report on risk, and be compliant with current and future regulations (such as PCI and GDPR compliance). It gives you visibility into shadow IT - to map your full attack surface and respond to critical vulnerabilities associated with cyber threats.

## Vulnerability scanning and management in a single solution



### SECURITY CENTER DASHBOARD

Keep on top of the current status of vulnerabilities and incidents, prepare standard and custom reports on risk and compliance, and more



### INTERNET ASSET DISCOVERY

Enumerate possible attack vectors with an internet and web threat assessment



### DISCOVERY SCAN

Map your attack surface with network and port scanning



### VULNERABILITY SCANS

Scan systems and web applications for publicly-known vulnerabilities



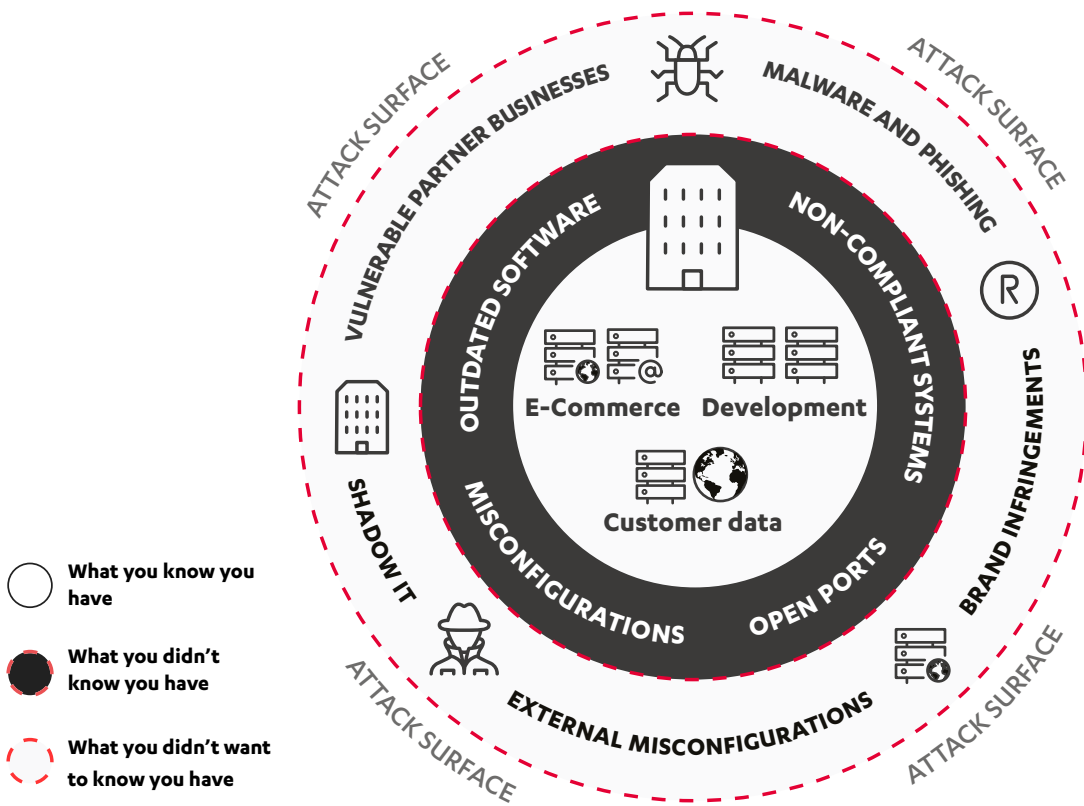
### VULNERABILITY MANAGEMENT

Manage vulnerabilities centrally with security alerts and forensics



### PCI DSS COMPLIANCE

Ensure compliance with current and future regulations to reduce risk of data loss



## Identify and expose the possible threats

Unlike any other vulnerability solution on the market, F-Secure Radar features Internet Asset Discovery, a web crawling technology that also covers the deep web. Radar allows you to easily browse through all targets to quickly identify risks and potentially vulnerable connections, and to expand the possible attack surface beyond your own network.

and web applications internally and on the global Internet, and includes an understanding of all points of interaction.

F-Secure Radar identifies where your organization's assets are vulnerable, allowing you to minimize your attack surface to reduce risk.

An organization's attack surface is the sum of its IT risk exposure. It crosses all network infrastructure, software,

## Radar as a managed service

### **Not enough time or resources to run your own vulnerability management program?**

You can get most out of Radar by selecting it as a managed service run by our certified partners.



# SERVICE PROTECTION - STOP MALWARE BEFORE IT REACHES YOUR NETWORK



**Keeps your business safe and increases productivity with layered protection**



**Helps you minimize risk and network bandwidth consumption**



**Offers protection against advanced targeted attacks**



**Offers affordable security with transparent pricing**

## Advanced malware protection on the gateway

The most efficient way to protect your network against malware is to stop it at the gateway level before it can enter your network.

Gateway level protection is the first line of defense that catches most of the malware. It can also block advanced targeted malware attacks with the integrated network sandbox.

Our gateway security offers protection for all incoming and outgoing email, web, and file transfer traffic for all types of malware or spam.



**FILE TRANSFER SECURITY**



**EMAIL SECURITY**



**WEB SECURITY**



**SANDBOXING**



**WEB CONTENT CONTROL**



**SPAM FILTERING**



**SECURITY CLOUD**



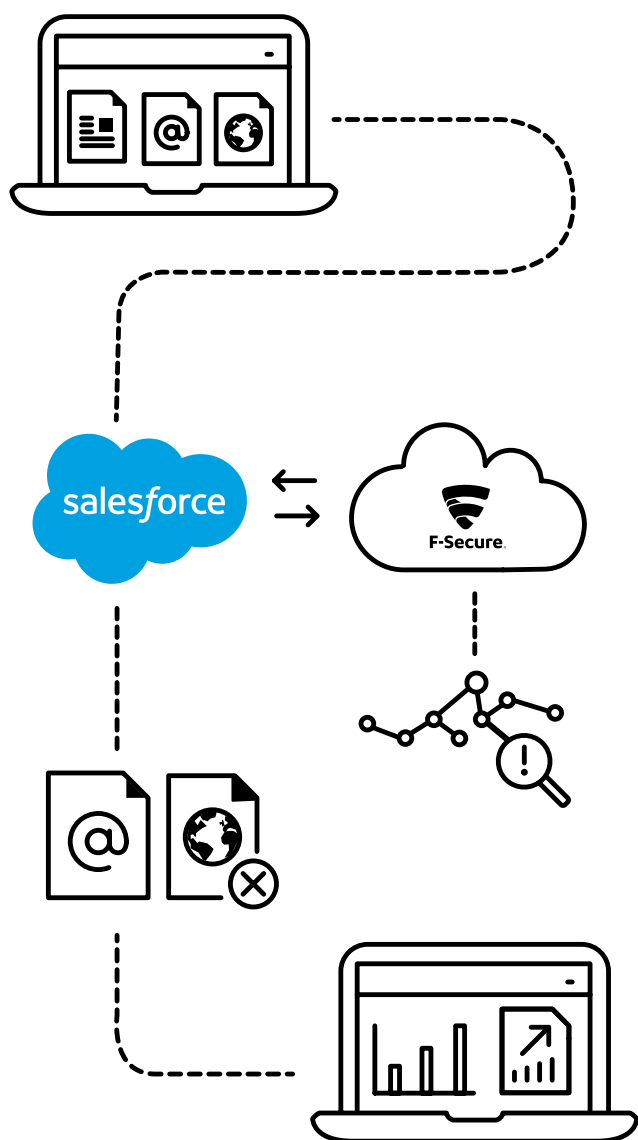
**ICAP INTEGRATION**



**REPORTING**

## Complementing the native Salesforce security

**F-Secure Cloud Protection for Salesforce** is the only security solution on the market designed to prevent attacks via files and URLs uploaded by users to Salesforce, making it an ideal complement to your overall security strategy.



## Advanced real-time protection from the cloud

F-Secure Cloud Protection for Salesforce utilizes our pioneering Security Cloud technology, allowing it to leverage real-time threat intelligence, advanced antivirus capabilities and smart cloud sandboxing.

### File, URL or Email

Our solution monitors the uploading and downloading of files, links and emails in Salesforce platforms without hindering the use of Salesforce.

### Salesforce Cloud

Content is intercepted in Salesforce, and subjected to a patented threat analysis and detection process in the F-Secure Security Cloud.

### Analyze

A multi-stage analysis process is run using different technologies based on the risk profile of the content.

- Threat intelligence test
- Multi-engine antivirus
- Smart cloud sandbox

### Detect

Malicious content is automatically blocked, its further use is prevented, and users are provided guidance about what to do next.

### Respond

Thanks to rich reporting, security analytics, and full audit trails available in your Salesforce platform, administrators are able to respond to incidents efficiently.

# MANAGED DETECTION AND RESPONSE - DETECT THE UNDETECTABLE

Managed detection and response service against targeted cyber attacks

**Rapid Detection Service** helps prepare your organization for advanced cyber attacks, before and after they happen. Our fully managed service is designed to detect the most skilled of attackers, whether they're using malware or non-malware tactics, techniques, and procedures. It enables you to respond to threats promptly, with actionable guidance from our experts.



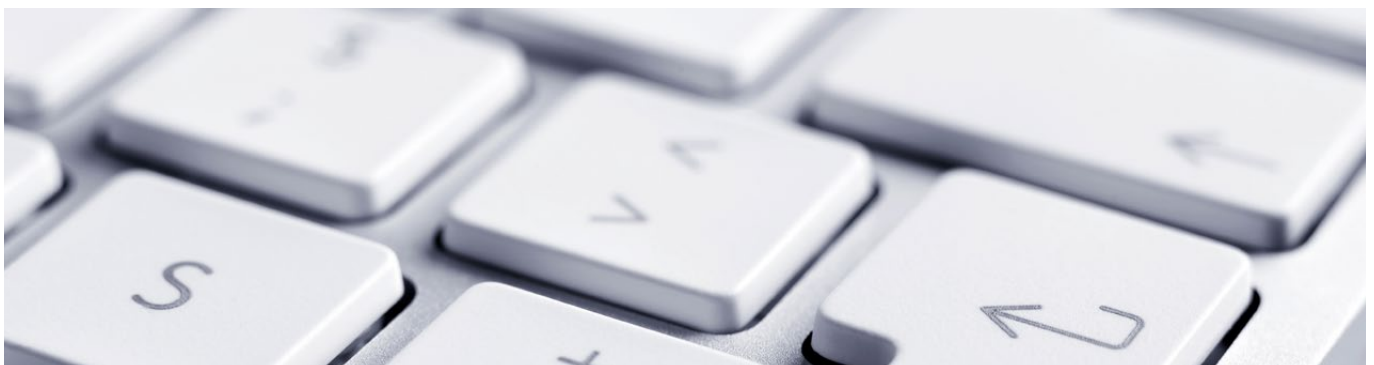
**CYBER SECURITY EXPERTS**  
24x7x365



**MAX 30 MINUTES RESPONSE**



**IMMEDIATE RETURN ON INVESTMENT**



## Finding the needle in the haystack

**2 BILLION**  
DATA EVENTS/ MONTH

Collected by ~1300 end-point sensors

**900 000**  
SUSPICIOUS EVENTS

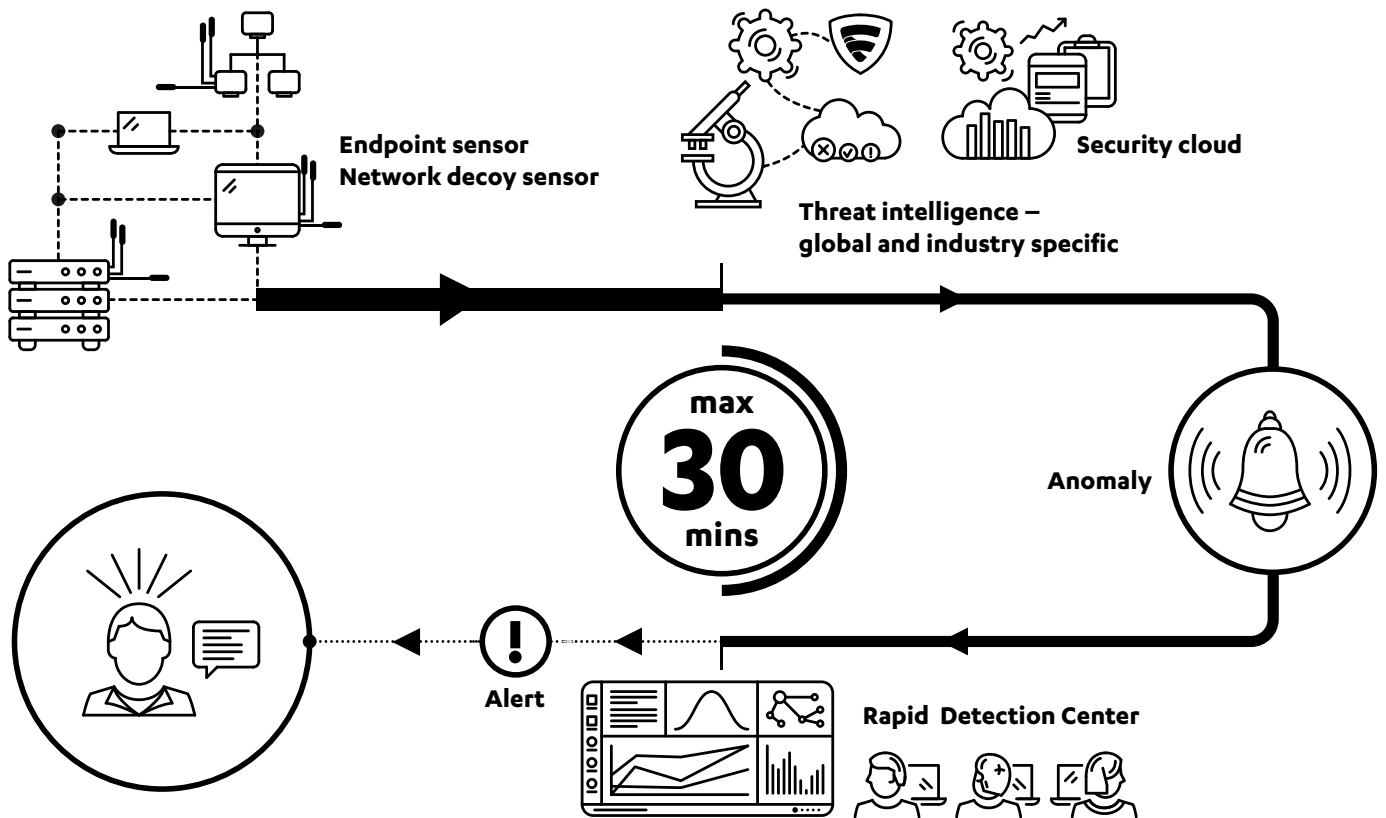
After RDS engine analysis of the raw data

**25**  
DETECTIONS

RDC threat analysts confirmed anomalies and contacted the customer

**15**  
REAL THREATS

Confirmed by the customer



## Cyber security experts at your service 24/7

At the core of Rapid Detection Service is our Rapid Detection Center, which is the base of operations for all of our detection and response services.

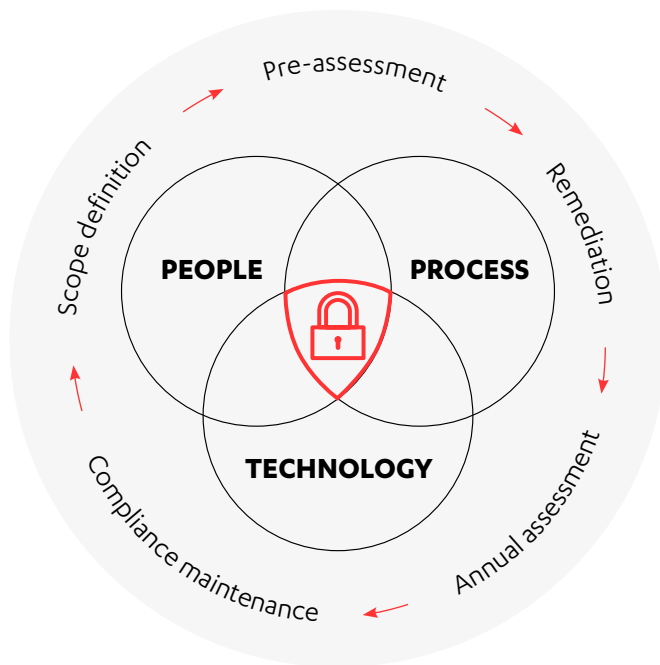
At the center, cyber security experts work on a 24/7 basis, hunt for threats, monitor data and alerts from customer environments, flag anomalies and signs of a breach, and then work with our customers to respond to real incidents as they take place.

**F-Secure's security experts have participated in more European cyber crime scene investigations than any other company. While our experts are tracking the pulse of cyber threats, you stay up to date with the latest threat intelligence.**

# CYBER SECURITY SERVICES – ASSESS AND IMPROVE SECURITY FROM TOP TO BOTTOM

F-Secure helps organizations and their digital transformation journeys to meet today's cyber threats with the best possible solutions to predict, prevent, detect and respond to cyber attacks. Our Cyber Security Services business unit is specialized on high-end consultancy and managed services. We provide a vast range of cyber security advice

and assessments, tools, policies, security concepts, security safeguards, guidelines, risk management approaches, actions, training, best practices, assurance and technologies that can be used to protect the cyber environment of an organization, its employees and assets.



## Process

- Security assessments, exposure analysis & audits
- Cyber security strategy & programs
- Cyber risk & security management
- (Change) Management systems
- Governance frameworks
- Best practices
- Regulatory & security compliance

## People

- Coaching and mentoring
- Staff training & awareness
- Professional skills & qualifications
- Competent resources

## Technology

- System development
- Network security assessments
- Applications assessments
- Code reviews & software security development

## Increase the security maturity of your organization

Cyber security often fails due to lack of understanding of the business impacts of potential cyber risks. By providing a holistic view to cyber security, F-Secure can help organizations cope with issues ranging from board level responsibilities down to technical controls that enable secure services.

In order to control and minimize the risk and in order to deal with cyber security professionally, you have to approach security as a continuous effort.

By teaming up with the F-Secure Cyber Security Services team, you ensure your efforts are focused on the areas that matter for your business.

# ABOUT F-SECURE

Nobody knows cyber security like F-Secure. For three decades, F-Secure has driven innovations in cyber security, defending tens of thousands of companies and millions of people. With unsurpassed experience in endpoint protection as well as detection and response, F-Secure shields enterprises and consumers against everything from advanced cyber attacks and data breaches to widespread ransomware infections. F-Secure's sophisticated technology combines the power of machine learning with the human expertise of its world-renowned security labs for a singular approach called Live Security. F-Secure's security experts have participated in more European cyber crime scene investigations than any other company in the market, and its products are sold all over the world by over 200 broadband and mobile operators and thousands of resellers.

Founded in 1988, F-Secure is listed on the NASDAQ OMX Helsinki Ltd.