

# Quantify your cyber risk and predict the likelihood of breaches

Cybersecurity risk is now a board-level agenda item. The challenge is how to objectively measure it.

Cybersecurity risk is now recognised at the highest levels of management, and the World Economic Forum consistently puts the item high on its list of overall business risks.

However, there is an enormous difference between recognising the risk and being able to measure it. This challenge was aptly illustrated in our research<sup>1</sup> which found that while 76% of business leaders rated their organisation as excellent or good at protecting against cybersecurity threats, 84% of respondents also admitted that they had suffered from a cybersecurity incident in the previous two years.

## The danger of risk matrices

Traditional risk measurement methods rely on a subjective assessment of cyber risk at a point in time, conducted by an individual using their experience and intuition. The problem with this approach is that an organisation's cybersecurity risk is never static; new cyber threats and changes to your infrastructure mean that your security controls and policies can drift out of conformity with no warning. It also means that it is impossible to objectively compare one matrix with another, giving you no way of understanding your enterprise-wide risk.

## A better way: cyber risk quantification

To efficiently manage business risk, you need a way of objectively measuring your cyber risk in real time and calculating the potential financial impact of a cyber breach on your operations.

Using our SAFE methodology, our cyber risk quantification service will assess the configuration and risk signals coming from across your business to build up a real-time picture of your overall risk.

The outcome is a unique 'SAFE score' which quantifies the breach likelihood of each part of your business along with the actual value of the risk to your organisation in monetary terms.

This enables data-driven boardroom discussions around the cost of addressing security risks by showing exactly how much financial risk will be reduced through investments in specific areas. It can also help you calibrate cyber insurance coverage and pricing in discussions with your cyber insurance provider.

The SAFE dashboard lets you track progress over time and benchmark scores between different applications, business units or even organisations. We'll also recommend how to improve your score and help you prioritise the resources needed to address the most impactful security gaps.

## Benefits of cyber risk quantification with SAFE

**Enterprise-wide** – Measure risk across people, process and technology as well as third party supply chain risks.

**Objective** – Quantify and measure the financial risk of your breach likelihood using a proven Bayesian network statistical model.

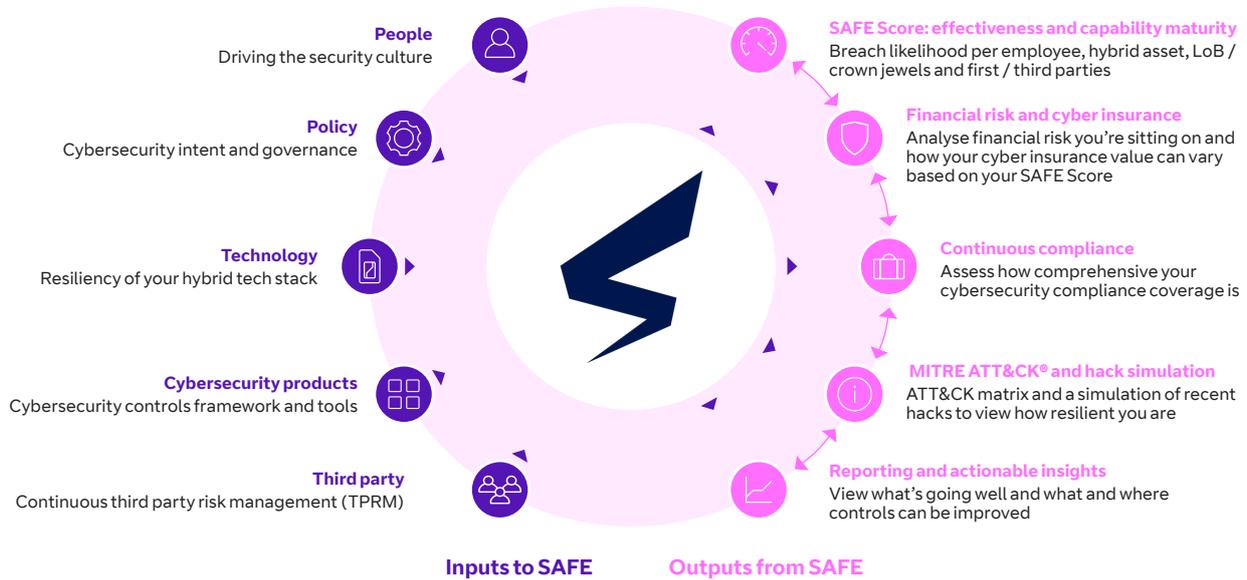
**Integrated** – Monitor your cyber risk posture across different technology stacks such as cloud, applications, endpoints, and databases using the same consistent scale.

**Real-time** – Continuously assess your risk posture using signals from your existing cybersecurity controls and our SAFE scanners, coupled with insights from external threat intelligence and business context.



<sup>1</sup> CISOs under the spotlight research: [www.globalservices.bt.com/en/insights/whitepapers/cisos-under-the-spotlight](http://www.globalservices.bt.com/en/insights/whitepapers/cisos-under-the-spotlight)

# Consideration of all elements that impact risk



## Our risk quantification process

Our cyber risk quantification service is delivered by our Security Advisory Services team, who are experts in helping customers navigate today’s complex cyber threat landscape.

Following a joint scoping workshop, we’ll deploy the SAFE tool to carry out your organisational assessment. SAFE runs as a Software as a Service (SaaS) application hosted in a market-leading cloud environment and you’ll get access to your own dedicated instance for the duration of the engagement.

We’ll work with you to implement the necessary connections to your assets, policies and key users identified in the scope to allow the collection of data, followed by a period of optimisation and tuning to customise the tool to your environment and allow better data collection.

## What you’ll get

- Graphical representation of your cyber risk by overall enterprise, business unit, application, crown jewels or other relevant grouping.
- Detailed reports on our findings and areas for improvement.
- A set of recommendations on how to mitigate or close gaps in your risk control strategy.
- Options for continued ongoing assessment and support in resolving items in the report or areas of concern.

## Why work with us?

**An independent view** – SAFE cyber risk quantification gives you an objective view of the risks your organisation is exposed to.

**Quantifiable visualisation of your risk** – A simple yet powerful way of visualising and reporting on cyber risk to your stakeholders in business language.

**Clear measure of effectiveness** – Peace of mind that your cybersecurity policies are effective and addressing the actual risks your company faces.

**Prioritisation of investment** – We help you demonstrate the need for investment in specific areas and the risk mitigation impact of this investment.

**A skilled team** – We have 3,000 dedicated security experts and over 500 cybersecurity consultants.

**What could cyber risk quantification do for you? Visit [bt.com/security](https://bt.com/security)**

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