# Cyber risk insights

**A market leading product to help you make better cyber risk decisions**

## What is KPMG Cyber Risk Insights (CRI)?

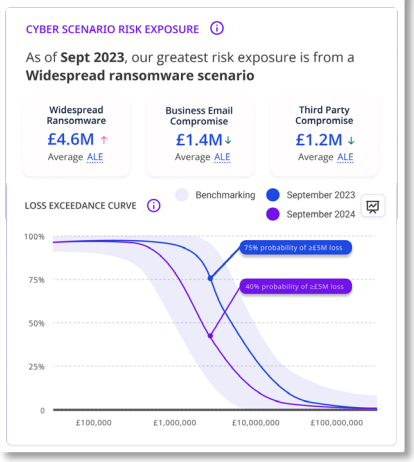
CRI is a licensable SaaS product, which takes a scenario-driven approach to more accurately assess the likelihood and impact of cyberattacks. It uses powerful and intuitive dashboarding to show insights with a strong user interface.

**Key inputs**

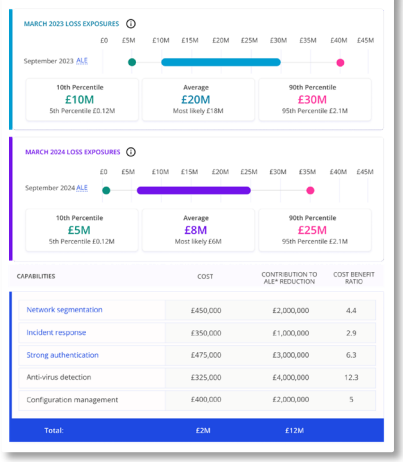
- Cyber threat scenario modelling
- Cyber capability effectiveness estimations
- Attacker contact rate estimations
- Financial impact estimations
- Cyber investment data

**Example 'insights'**

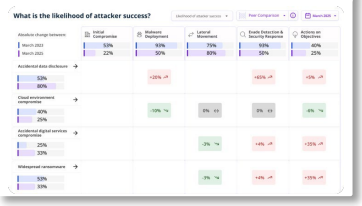
### Prioritise cyber risks




### Optimize cyber spend




### Fix weaknesses in defences




### Identify optimal future improvements


## Why use KPMG CRI?

CRI gives you a comprehensive view of the potential financial losses in the event of a cyberattack, as well as the best 'bang for buck' investments to help mitigate those attacks. This allows you to make defensible and data-driven decisions and can help you prioritize your remediation efforts. The typical questions CRI helps answer are below.

**Prioritize cyber risks**

Regulator(s) | Board | CEO | CFO | COO | CIO | CRO | CISO | Business

What is our true risk exposure to cyber attack (likelihood in a year and potential financial impact)? Is it within our risk appetite? What cyber risks should we prioritise?

**Optimize cyber spend**

Board | CEO | CFO | COO | CIO | CISO | Business

What cyber investments would deliver best bang-for-buck risk reduction? If year, is we invest XM in cyber next this too much or too little?

**Improve communication**

Board | CEO | COO | CIO | CRO | CISO | Business

I know cyber is a complex risk with many interdependencies – how can we simply explain our overall exposure in order to make effective well-informed decisions?

**Comply with regulation**

Regulator(s) | Board | CEO | CRO | CISO

How can I determine the potential 'material' impact of a cyber attack on my business? How can I communicate cyber risk to the Board to meet new cyber reporting requirements?

# Some key benefits

**CRI equips you with the tools to:**

**Make the case to the board**
CRI's logical and transparent approach helps you to communicate cyber risk to senior stakeholders, demonstrate the business benefits of cyber capabilities, and make compelling investment cases.

**Carry out systematic, consistent, data-driven assessments**
CRI makes the adoption of quantitative techniques quick and simple. It improves the objectivity of risk assessments by producing consistent, data-driven results.

**Quantify likelihood and impact**
Access to our tried and tested models, which quantify the likelihood of cyber risk scenarios occurring, the possibility of attackers succeeding across the layers of defence and potential financial losses.

**Target spend to reduce exposure**
Graphical risk scenario models allow you to see where your cyber capabilities contribute to risk reduction across the layers of defence and which areas would benefit most from investment.

**Help optimize investments** Determining the optimal investment portfolio of cyber capabilities to help achieve a great return on investment in risk reduction.

**Test investments**
Estimate the payback period for an investment or investment portfolio, based on a cost-benefit analysis of spend compared to the expected reduction in cyber losses.

Contact us to discuss your organization's needs or to arrange a demo of our Cyber Risk Insights (CRI) product.

# Contact us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# How has CRI helped our clients?

CRI has helped organisations across a wide range of industries.

### Board confidence and risk reduction — Retail

A historic commitment to align with ISO27001 resulted in the organization trying to fix everything, well beyond their capacity for change. CRI enabled:

- ✓ The de-scoping of 20% of ISO27001 controls based on CRI's threat modelling and What-If simulation capability.
- ✓ C$850k+ cost saving, whilst also enabling defensible prioritization decisions.
- ✓ Ongoing measurement of cyber risk exposure over time.

### Prioritization of a cyber roadmap — Insurance

A CISO was receiving Board-level challenge about the benefit of the cyber investment program and was asked to reduce spend. CRI enabled:

- ✓ Identification of the priority controls for investment based on robust cost-benefit analysis.
- ✓ Demonstrable year-on-year reduction in cyber risk exposure tied to benefits tracking of change initiatives.
- ✓ Granular assessments of individual business units after the group-wide assessment.

### Managing exposure across a portfolio — Private equity

Cyber risk assessments and remediation plans were required across 20+ portfolio companies. CRI enabled:

- ✓ Each portfolio company to understand their cyber risk exposure, in financial terms.
- ✓ Each portfolio company to prioritize their cyber investments based on the specific threats to their business.
- ✓ The replacement of their 1-5 maturity assessment methodology, giving leaders better confidence in the security of their portfolio.

# What to expect from a CRI assessment?

A typical CRI assessment includes four phases.

**01** Week 1

### Scoping

- Identification of exam questions to be answered.
- Identification of potential data sources within the organization to augment KPMG's data sets.

**02** Week 2-3

### Scenario selection

- Identification and attack-tree modeling of priority cyber threat scenarios, accelerated by KPMG's existing scenario model library.

**03** Week 3-6

### Estimation and measurement

- Estimate and measure required inputs for KPMG's cyber risk quantification models.

**04** Week 4-8

### Analysis and reporting

- Reporting to show outputs that answer exam questions identified in phase one.
- We will take your key stakeholders on the reporting journey with us, ensuring that they have the opportunity to buy-in early to a quantitative reporting approach.