

MERLYNN

Cyber Risk

TOM™ AI: a smart approach to the Cybersecurity skills crisis

Quarter 1 2022

Quarterly Bulletin



Cyber risk, encompassing cyber crime, IT failure/outages, data breaches & fines and penalties, remains the number one risk facing most organizations for 2022 and beyond. Cybersecurity professionals tasked with managing this risk face persistent pressures on staff, skills, technology, and time.

One of the biggest challenges is that **at the heart of the problem lies a global cybersecurity skills shortage**. This crisis has been ongoing for more than 5 years and is only getting worse.

Kroll's [2021 Survey](#) of over 500 security managers cites a lack of adequate tools (**including staff and expertise**) to detect and respond to cyber threats as a major challenge facing their organizations. Respondents unanimously agree:

- they do not have **adequate staffing** on their security team
- existing staff **lack adequate expertise**

The time is now for a smarter, more innovative approach to dealing with this challenge. Organizations, using Merlynn's AI - Tacit Object Modeler (TOM™), create digital replicas (Virtual Experts or Digital Twins) of their cybersecurity specialists and put these Virtual Experts to work.

Here's how TOM™ can make a difference...

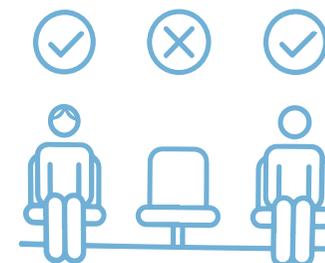
Skills Crisis



Security Operations (SecOps) teams, overwhelmed with ever increasing attack vectors and incident volumes, just can't find, afford or retain the appropriately skilled people.



TOM™, Merlynn's proprietary AI technology, is used by the organization to create Virtual Experts or Digital Twins of SecOps best analysts. Using TOM™ not only provides a sustainable solution to the skills shortages but also puts the best analysts' Virtual Experts to work in real-time, 24/7, 365 days a year.



Inefficient Alert Handling



The survey identified that security teams are spending too much time investigating low-level security alerts.



The TOM™ solution: real-time triage. The Virtual Experts created by the best SecOps analysts review each and every alert ensuring appropriate routing and incident handling. Low-level alerts can be auto remediated while the humans deal with higher consequence alerts.



Specialist Knowledge



Cyber incidents may require regulatory compliance actions to be set in motion; however, SecOps teams are often unsure of when to engage legal expertise.



Using the TOM™ technology, organizations create real-time access to insights and advice from the organization's best legal and compliance experts. This means every alert can be digitally screened by the legal Virtual Experts, for compliance requirements, reducing risk and dramatically improving response to this element of cyber compliance.



System Downtime



Cyber incidents often lead to IT systems failure - downtime on critical business operations is not only costly to the organization and inconvenient to customers but can lead to fines and penalties being levied against the organization.



TOM™ Virtual Experts digitally replicating the decisions of top systems engineers are deployed in IT Operations to rapidly restore services. Learn more about how TOM is performing in IT OPS.



[Learn More](#)

Cost



Despite the increasing risk, cybersecurity teams are facing budget constraints. For many, security spending will stay the same or decrease over the next 12 months.



A virtual workforce introduces cost efficiencies. These are directly measurable via our calculator which takes into account organizational specific metrics.

See the impact on your organization.



[Request a Demo](#)

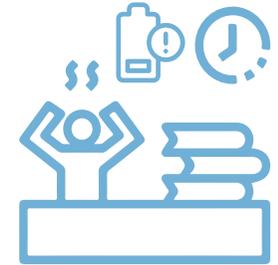
Employee Burnout



IPassword's [State of Access](#) report highlights security professionals' level of burnout at a staggering 84%. Burnout they state, presents a severe, pervasive, and multifaceted cybersecurity risk.



While Virtual Experts are a "clone" of their human counterparts, Virtual Experts operate at the same level of expertise and efficacy 24/7, 365 days a year. They don't need breaks, and they never take vacations - they never "burnout".



What is TOM™?

Tacit Object Modeler

[Read More](#)

Organizations use TOM™ - Merlynn's proprietary AI technology - to clone top human experts. The result is an AI version, a "twin", of the human expert which we call a Virtual Expert (VE).

VE's respond in exactly the same way that the human expert will, the difference being that they never sleep and never run out of capacity.

A digital workforce



Human Expert

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