No-one has a crystal ball, but here at NTT Security we’ve worked with our security experts around the world to identify trends that affect organizations and could emerge in the near future.

While the right technology and processes are key, one thing that’s very apparent to us is the importance of focusing on people. From the risk of insider threats to rethinking how security can enable your business, organizations must redefine culture and employee buy-in.

On the next slide we present our 12 Predictions. These are assembled in chronological order; the size of the bubbles indicate the expected impact of the specific Prediction.

The likelihood of each Prediction is found on the corresponding slide, allowing you to see which Predictions are likely to cause the most impact to your organization.

Take a look, see where you need to increase your security profile, and let us know your thoughts.
Our Predictions for 2019

Urgency, ubiquity and impact

End 2018 | 2019 | 2020+
---|---|---
Impacts many

The vulnerability of retail

Sectors

Complacency and lack of response plans

Risk Management

Threats from the inside

People

Operational tech becomes cyber target

Necessity facilitates collaboration

Security as an enabler

Processes

Assessing and managing cloud risk

Everyone matters

People

Blockchain exploration

Harnessing new and diverse talent

Technology

People

Cryptomining breadcrumbs

Looking beyond AI excitement

People

Threats

People

Urgency, ubiquity and impact

Operational tech becomes cyber target

Complacency and lack of response plans

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Risk Management

People

The vulnerability of retail

Impacts few

People

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Operational technology becomes a cyber target

Energy, medical, transport, water and manufacturing facilities will face attacks on their availability

“A cyber attack on operational technology or smart cities may cause a major impact on critical national infrastructure services in the developed world, leading to a major health or safety impact on the nation's citizens”

Garry Sidaway, SVP Security Strategy and Alliances and Henrik Davidsson, Nordics Sales Director

Likelihood:
AI is exciting, but don't forget about the people, tools and processes

“A Fortune 500 company will learn the hard way that, while AI is highly relevant for a security strategy, it is not the holy grail”

Kai Grunwitz, SVP EMEA

Likelihood: 

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Security follows IT in moving from blocker to enabler

CISO's vision goes viral on YouTube and contributes to security being perceived as an enabler of change and success, replacing legacy view of security as a blocker

“A globally-respected CISO will inspire a paradigm shift in attitudes towards the security function”

Nicolas Blot, Consultant Manager
Cryptomining software will provide clues to broader criminal motivations

Cryptominers will be used as part of wider hacking attempts

“A major cybercriminal group will be caught by carelessly dropping a breadcrumb trail of cryptomining software”

Terrance DeJesus, Threat Research Analyst

Likelihood:
Assessing and managing risk becomes the mantra for cloud

Standards, policies and controls must be unified to cover both on-premise and cloud IT

“Treatment of cloud computing as a siloed entity will hurt IT departments' ability to manage risk”

Matthew Schofield, Security Solutions Consultant

Likelihood:
In 2019, the average hacking team will be able to compromise most companies within 48 hours, but due to lack of incident response plans, average recovery time will rise above 2 months

Matthias Straub, Director of Consulting, Germany and Austria
Harnessing new and diverse talent

“A child prodigy who got into coding through a diversity and inclusion initiative has her open source code used to patch a vulnerability in one of the world's largest businesses”

Richard Thurston, Market Insights Manager
Necessity facilitates collaboration

Governments and businesses work closer together to fight cybercrime and maintain the trust of citizens and customers

“Collaboration will increase... not only for threat intelligence but also for the sharing of data and open APIs for easier integration”

Garry Sidaway, SVP Security Strategy and Alliances

Likelihood: 📈
Back to basics mentality fuels collective strength

43% of business respondents think cybersecurity is the IT team's problem in 2018
- NTT Security Risk:Value Research

“Non-tech literate employees finally understand that they matter to cybersecurity”

Stephen Bloom, Senior Marketing Director, Americas
However, disaffected employees surrender loyalty to hackers

Cyber criminals increasingly look for willing human behavior on the inside of organizations

“Employee behavior analytics stops a worker from leaking tens of thousands of customer records”

Lawson Davies, Senior Solutions Architect
Retailers become increasingly vulnerable

NTT Security's Risk:Value Report identifies retail as the poorest performing vertical sector for cybersecurity in 2018

“Major consumer retail brands suffer relentless attacks as cybercriminals zero-in on weak defenses and high volumes of customer data”

Raymond Teo, SVP, Business Development, Asia Pacific

Likelihood: 🟥
Exploration of blockchain kicks in

Hackers take the path of least resistance – and most don’t have the skills to steal blockchain-secured data

“Enterprises explore blockchain solutions to de-risk business processes”

Aaron Perkins, Senior Security Intelligence Writer

Likelihood:
NTT Security: Accelerating your digital agenda, by securing the foundation of a connected society

NTT Security is the cybersecurity center of excellence for NTT Group (Nippon Telegraph and Telephone Corporation), one of the largest ICT companies in the world. We take a proactive approach to cybersecurity by applying our extensive expertise, advanced threat intelligence, analytics and global delivery capability, to enable you to accelerate your digital agenda, securely.

Contact us to find out more about how we can help you prepare your organization for all that 2019 may hold.