Building Security Resilience

Best practices and best technology
to protect your business.

outcomex | cisco Partner

A robust security strategy

for protecting your business is vital.

As the rate of cyber attacks are on the rise, including the complexity of these attacks, having a defense system in place that provides complete visibility is paramount. Business's today have multiple security layers, which often leads to slow response times when threats occur. Having a solution in place that provides complete visibly to these layers while providing monitoring and automation, can greatly increase investigation and response times.

Average cost of cybercrime per report, up 14%:

small business: **$46,000**

medium business: **$97,200**

large business: **$71,600**

Nearly 94,000 cybercrime reports, up 23%

on average a report every **6 minutes**

an increase from 1 report every **7 minutes**

Info taken from ASD Cyber Threat Report 2022-2023

Zero Trust

With the rise of BYOD (bring your own device), mobility, cloud, and collaboration, security teams are working harder to solve access control security issues than ever before.

Zero Trust is a security model that takes the guesswork out of understanding who or what is trying to access an enterprise network. The model offers a distinct philosophy: never trust, always verify.

“The main principle is providing just in time, just enough access — whether it’s an application requiring access to an API or a user accessing corporate resources,” Arjun De, Outcomex Head of Solution sales. How that is implemented, and with what tools, technologies and platforms is going to differ.

Cisco Zero Trust: comprehensive protection across three distinct fronts

Zero Trust for Workforce

Establishes trust of people and devices, regardless of their location. Limits network access to the right people via secure device.

Zero Trust for Workloads

Secure access for applications in the cloud, data centres and other virtual environments. Includes secure connections for APIs, microservices and containers that access enterprise applications.

Zero Trust for the Workplace

Access control for all devices that connect to enterprise networks — includes physical and virtual servers, Internet of Things (IoT) and user endpoints like printers and cameras.

Protect your users

from email phishing attacks, social engineering, MFA attack, browser-based attack, malicious website and stolen credentials

Last year alone, there was a 72% increase in data breaches up from 2021 - around the world, a data breach cost $4.88 million on average in 2024. While these statistics are alarming, breaches can happen to any organisation. Don't let it be yours. Learn how to keep your business secure and what tools to use to keep on top of and tackle any cyber threats that may threaten your business.

94% of business have reported email security incidents

$4.76m The average cost of a social engineering attack

Info taken from www.forbes.com

Tool #1: Cisco Secure Access

As one of the best tools in your arsenal, Cisco Secure Access safeguards access to the web, cloud services, SaaS and private applications, protecting users, data and devices remotely or in the office. This means that whether your workforce is in the office or on the road travelling, they're protected.

By providing seamless and secure access from anything to anywhere, it enables a seamless end-user experience, simplifies IT operations, and lowers risk with granular controls and tighter security.

Enable users
to authenticate and go straight to the desired app

Intelligently connect
connect using the best protocol

Eliminate repetitive
or cumbersome verification tasks

Deliver unmatched
ease for workforce

Tool #2: Duo Multi-Factor Authentication

Most ransomware attacks start with successful phishing campaigns. Companies frequently find themselves exposed to risk because of compromised passwords. Going passwordless can make companies less likely to become victims of ransomware attacks.

Passwordless authentication establishes a strong assurance of a user's identity without relying on passwords, with alternatives such as biometrics, security keys or a mobile device. Duo is innovating towards a passwordless future, that balances usability with stronger authentication.

In an effort to combat hackers who target passwords to access cloud-based applications, passwordless methods that associate users to their devices offer increased security and usability, which is a rare win/win for security.

Identify passwordless use cases and enable strong authentication

Streamline and consolidate authentication workflows

Increase trust in authentication

Provide a passwordless experience

Optimise the passwordless toolset

Did you know that with Duo, you get multi-factor authentication, deep device insights, adaptive policies, single sign-on and more - so you can:

Protect logins with two-factor authentication and easily enrol and manage users

Get an overview of device security hygiene

Get an overview of device security hygiene

Single sign-on (SSO) for cloud applications

Enforce role-based access policies

Monitor and identify risky devices

Control what endpoints can access apps based on device hygiene

Automatically encourage users to update their own devices.

Want to learn more about Duo? Reach out to the Outcomex team.

Contact us

Tool #3: Secure Endpoint

Stopping cyberthreats before they compromise your business- allows businesses to continue with business as usual without the need to recover. Secure Endpoint offers advanced endpoint protection across control points, enabling your business to stay resilient.

Cisco Secure Endpoint ensures rapid and effective endpoint protection by enabling quick detection, response, and recovery from sophisticated attacks. It features robust Endpoint Detection and Response (EDR), threat hunting, and risk-based security measures.

Enhanced by Cisco XDR and Secure MDR for Endpoint, it offers continuous, expert-driven protection and enhances the efficiency of your security operations.

Secure Endpoint enables customers to detect, respond, and recover from attacks while reducing remediation times by as much as

85%

Cisco Secure Endpoint offers cloud-delivered endpoint protection and advanced EDR across multi-domain control points. We stop threats and block malware then rapidly detect, contain, and remediate advanced threats that evade front-line defenses.

Stopping threats and blocking malware

Rapid detection and containment

Remediation of advanced threats that invade frontline defenses.

As cyberattacks become more sophisticated, so too, do your security measures need to be. With Cisco User and Breach Protection, providing the ideal combination of security solutions and accelerated responsiveness, its the perfect tool to defend against the rise of sophisticated threats. Cisco Breach Protection Suite unifies threat detection, investigation, mitigation and hunting solutions.

Tool #4: Cisco Secure Email

Considered one of the most financially damaging online crimes, it takes just one click for a business to open itself up to business email compromise.

Safeguard your inbox and your business with proven security solutions - protecting your business from BEC attacks requires multiple security layers across both technology and people.

Email is simultaneously the most important business communication tool and the leading attack vector for security breaches. In fact, Cisco's Email Cybersecurity Report found that attackers still turn to email as the primary vector for spreading malware.

Cisco Secure Email includes advanced threat defense capabilities that detect, block, and remediate threats in incoming email faster. Simultaneously, it protects an organization's brand, prevents data loss, and secures important information in transit with end-to-end encryption.

35% of malware was delivered by email in 2023

$2.9bn in losses due to BEC in 2023

Info taken from www.forbes.com

Detect and block more threats
with global threat intelligence from Talos™ and local intelligence from multiple patented machine learning models.

Combat stealthy malware
that evades initial detection and remediate it fast to reduce its impact.

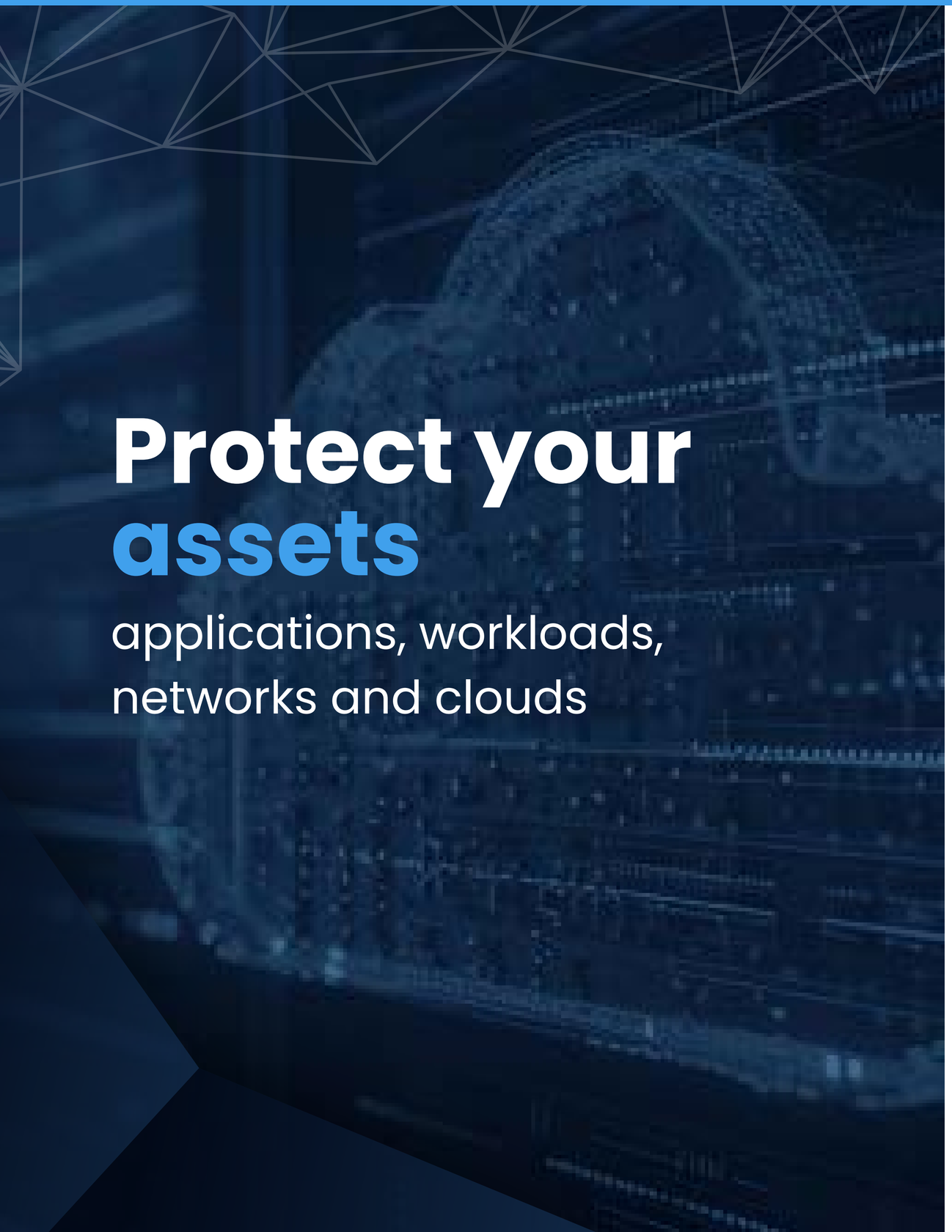
Drop emails with risky links
automatically or block access to newly infected sites with real-time URL analysis to protect against phishing.

Gain a real-time understanding
of senders and learn and authenticate email identities and behavioural relationships to protect against BEC attacks.

Prevent brand abuse
from attackers using your domain to carry out phishing campaigns with automation of the Domain-based Message Authentication (DMARC) process.

Protect sensitive content
with global threat intelligence from Talos™ and local intelligence from multiple patented machine learning models.

Gain maximum flexibility
with a cloud, virtual, on-premises, or hybrid deployment or move to the cloud in phases.



Protect your assets

applications, workloads, networks and clouds

According to *The Cost of Data Breach Report 2024*, 45% of breaches over the past year are cloud based. Utilsing security tools that simplify operations, optimise resources, and reduce risk with comprehensive security and pervasive visibility for hybrid and multi-cloud networks, workloads, and applications is essential.

Protecting hybrid and multicloud environments has become more complex as technology changes and cyberattacks increase. This is why having protection that provides end-to-end security for applications, workloads, networks, and clouds for both hybrid and multicloud environments are so pivotal.

$4.8m the global average cost of a data breach.

93% of organisations had two or more identity-related breaches in the past year.

Info taken from www.forbes.com and www.ibm.com

Tool #5: Multicloud Defense

Multicloud strategies offer flexibility by combining on-premises, public, private, and hybrid cloud systems, but they introduce complexity and security risks. While multicloud allows tailored solutions for different needs, it increases attack points and security challenges.

Major cloud providers may invest heavily in security, but human error often poses the greatest risk. Partnering with Outcomex and Cisco helps mitigate these risks by providing expert management and comprehensive security solutions that ensure strong connectivity and effective operations across multicloud environments.

Multicloud Defense: comprehensive security and pervasive visibility for hybrid and multi-cloud networks, workloads, and applications.

- **Simplifies operations**
- **Optimises resources**
- **Reduces risk and maintains compliance**

Protecting your organisation from ransomware and malware

Ransomware attacks happen to any business, no matter its size. Unfortunately, these type of attacks are happening more regularly. What can businesses do to ensure that they don't fall victim?

What weapons can you have in your security arsenal that will go beyond rectifying and remediating a ransomware attack?

Ensuring a business's exposure to risk is minimised is vital. Your business can have the best security measures in place, but if your employees are not made aware of these, than your best measures are not good enough.

Since a data breach, on average costs $4.88 million in 2024, employees/users need to be made aware of the useful tools in place that protect them and the business.

Tool #6: Cisco Extended Detection and Response (Cisco XDR)

Cisco XDR essentially helps streamline security operations and tools into a unified platform, allowing for faster, more accurate threat detection and response.

The key benefits include:

Enhanced threat detection
through unified global and local context.

Streamlined operations
with reduced alert fatigue.

Improved security
posture by consolidating multiple security solutions.

Increased resilience
across complex environments.

Open, cloud-first architecture
for easier integration with existing tools.

As a comprehensive threat detection tool, Cisco provides:

Early Detection
threats are detected sooner preventing potential breaches.

Prioritization by Impact
allowing security teams to focus on the most urgent issues.

Reduced Investigation Time
and resolution time, allowing security teams to quickly understand and isolate alerts, significantly reducing the time between detection and remediation.

Accelerated Response
automation is leveraged to streamline remediation processes, enabling security teams to respond faster and more effectively to incidents.

Extended Asset Context
providing comprehensive visibility into all assets within the environment, making it easier to identify users and the security posture of the connected devices helping security teams maintain a secure and well-monitored network.

1 in 4

Companies risk a major breach in the next 24 months

206 days

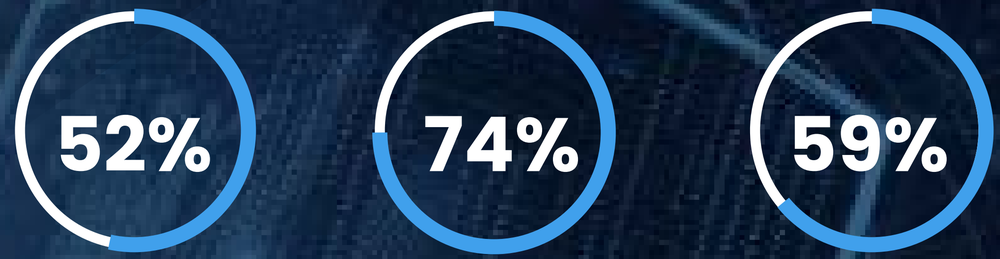
Industry average detection time for a breach

73 days

Industry average time to contain a breach

$3.9M

average cost of a data breach



say threat hunting found previously undetected threats

of those implementing threat hunting have reduced attack surfaces

enhanced speed and accuracy of response using threat hunting

*Info taken from Cisco: Threat Hunting with Securex, stop cyber threats before they start (2023).

Effectively combating cyberattacks

Outcomex's Australia-based SOC team tailors its cyber-security solution to meet your unique security situation, working in close partnership with your business. In addition, our services are based on a holistic combination of vendor technologies, security processes and certified engineers across Outcomex.

Undergoing an end-to-end security assessment is essential for ensuring the security and integrity of any system to help prevent data breaches, system downtime, and other costly security incidents, ultimately protecting the organisation's reputation and bottom line.

11%

of Australian companies are maturely ready to tackle the security risks presented by the hybrid work?

Cybersecurity Readiness Index

<10	11-44	45-75	<76
Beginner	Formative	Progressive	Mature

Where do you stack up?

Find out here

Outcomex and Cisco partnership

As a Cisco Gold Partner, we have a deep understanding of the entire Cisco portfolio and the diverse architectures of a customer is an asset when deploying Cisco solutions. As a partner with the Cisco Master Security Specialisation, we are only one of three partners in ANZ holding this certification.

With a dedicated team of security experts to manage and monitor all, or a part, of your organisation's environment, deployed either on-premise, in the cloud or via a secure connection, 24×7, 365 days, you will be able to maximise operational efficiency and improve security visibility.

Learn more

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