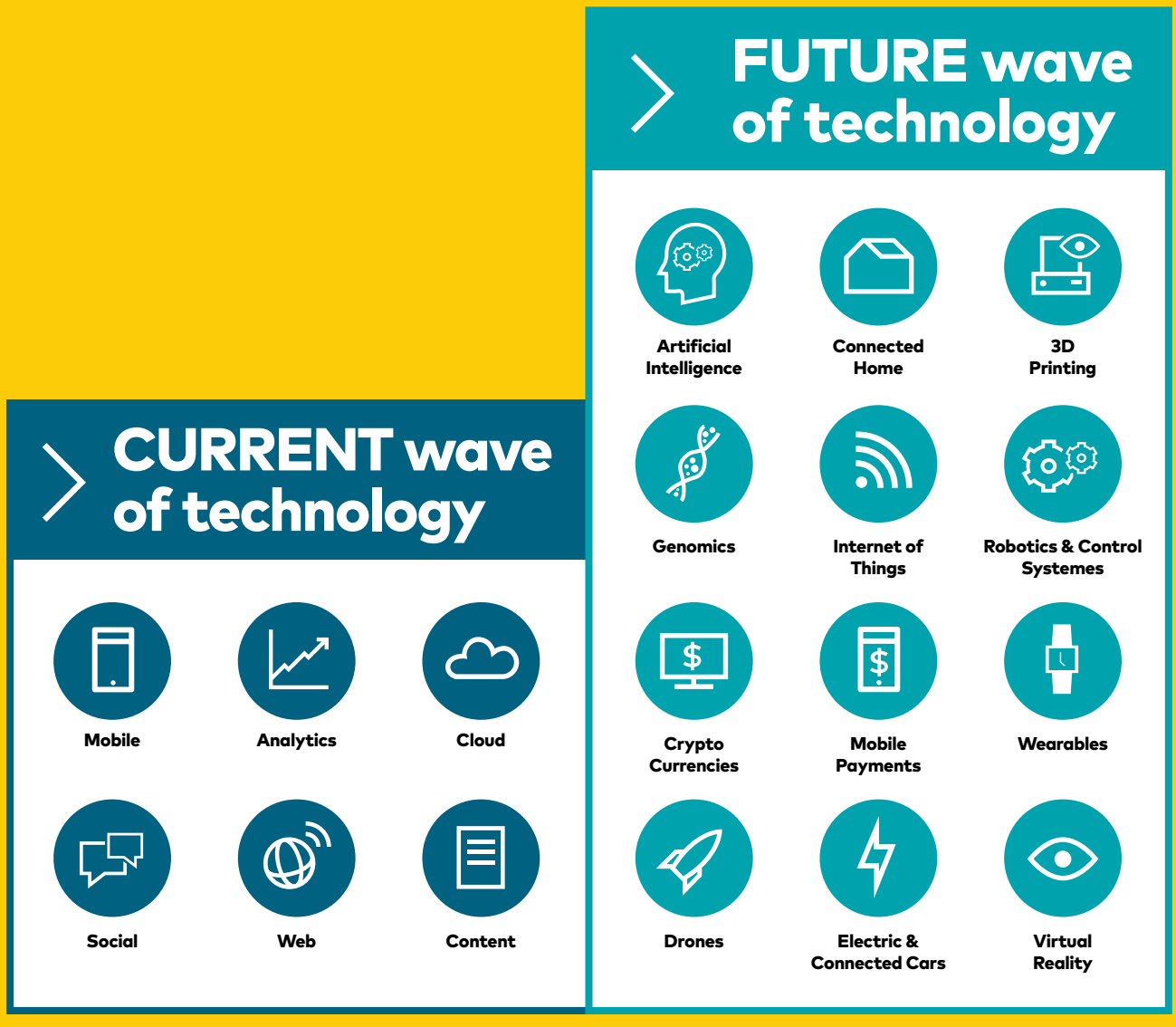
Mitigating cyber risk and security

Information security in a digital world

OPTUS

Emerging technologies: Driving new threat vectors



Source: Deloitte Digital 2016 – page 11, https://www2.deloitte.com/content/dam/Deloitte/au/Documents/Economics/deloitte-au-economics-digital-pulse-2016-acs-110316.pdf

Cyber security is now a business risk

As businesses actively move to the digital economy, trust and security must underpin all aspects of the digital business model, to provide confidence and peace of mind to consumers, citizens, employees, and the general public.

Led by consumer demand, trust in how personal information is handled is now a crucial differentiator for companies looking to attract and retain customers. Unfortunately, emerging digital technologies are driving new threat vectors so the cyber security measures of today will not solve for the cyber security challenges of tomorrow.

Cyber security is no longer just a technical problem that can be left to IT. It's an overarching business issue where accountability at all levels needs to be considered. This then raises the challenge for many Australian organisations – how to attract and retain the expertise, resources and capabilities needed to stay ahead of the significant business risks.

At Optus, we recognise the need to take a holistic approach towards helping our enterprise and government customers address this challenge – and technology and infrastructure is just one piece of the Information Security puzzle.

Be prepared for cyber attack

Cyber threats pose a serious threat to Australian organisations. Australia is now one of the top 10 sources of suspicious network traffic in the world[1]. Your organisation, like many others may be at risk – some of the most well-known organisations and brands in Australia have been victims of cyber attacks.

Optus helps Australian commercial and government organisations be ready for a new digital generation of advanced threats. We help provide end-to-end protection, with no gaps in defence.

World-class technology and people

Optus Cyber Security, part of the Singtel Group, is built around a core set of managed services and technology from international cyber security experts. These security services and solutions look at your business from a holistic perspective, to ensure your security measures and technology align to your business needs, security strategy, and critical areas of concern.

This gives Optus' customers:

A wide choice of technology, through one supplier

Optus Cyber Security are vendor agnostic, seeking to offer the best fit, or customer preference, to solve business customers' problems. Whichever technology customers choose, there is reduced complexity and management costs by dealing with one supplier.

Solution deployment

We'll ensure the scope of the project meets your ICT environment and seamlessly integrates your critical functions to meet the configurations required. Solutions can be applied with varied levels of control to help you find the mix that is right for your environment, risk appetite and security strategy.

Consulting and security assessment services

A Security Risk Assessment is a collaborative process through which we help you understand the security risks that exist in your business, the likelihood of vulnerability exploitation and the associated business impacts. Thereby helping you to implement appropriate controls and prioritise remediation activities to address any vulnerable areas. Early detection enables you to proactively reduce risk exposure with the following Security Assessment services provided:

- Security policy review; roles and responsibilities
- Asset identification and classifications
- Network vulnerability assessment (external and internal)
- Penetration testing
- Report and remediation proposal
- On-going periodic automated monitoring and reporting
- Enterprise managed security services

1. 2016 Trustwave Global Security Report https://www2.trustwave.com/GSR2016Success.html

Our approach

Advise	Protect	Detect	Respond
Professional Services	Technical Services	Managed Security Services	

Helping you

Be cyber resilient	Guard your organisation	Recognise and manage threats in real-time	Prepare and plan to recover

Our capabilities

Information Security Planning & Advisory
- Policies and procedures
- Risk assessments
- Security education and awareness

Compliance
- PCI DSS
- Merchant security
- IRAP
- Web content monitoring

Identity Access & Encryption
- Authentication
- Certificate Management
- Identity and Access, EV, VPN, NAC

Security Gateways
- Email and web gateways

Firewalls
- Next gen & web Application firewalls

Network Security
- DDOS
- Endpoint protection
- IDS/IPS
- Load balancers

Advanced Threat Management
- Security Information Event Management (SIEM)
- Threat intelligence
- Unified threat management

Vulnerability Scanning
- Anti-virus
- Penetration testing
- Networks, databases, apps
- Data Leak Prevention

Incident Response
- Planning
- Response
- Forensics

Optimising your security resources with the benefits and scale of outsourcing

Let us manage your security

Optus' Managed Security Services provide a more flexible approach to managing security by utilising shared infrastructure thereby helping to reduce costs. You can look forward to financially backed predefined and agreed service level agreements (SLA).

Customisable, scaleable and reliable managed security services tailored to meet your requirements

Ours is a tailored approach that leverages dedicated infrastructure to manage the security of your environment.

It is a collaborative working relationship that ensures your security solutions are integrated efficiently with your existing business assets.

Access our security expertise

Help to reduce exposure to security threats and incidents, by leveraging our experienced security skills to protect your valuable intellectual property and adhere to privacy legislation requirements.

We have a dedicated, experienced, IT Security team, who maintain product and technical knowledge and certifications necessary to manage your security systems. We also have the ability to leverage our technology partner relationships thereby minimising multi-vendor agreements.

Optus Managed Security Services monitors your business 24/7

Managed Security Services help reduce associated costs with managing your infrastructure in-house and enable more effective security incident response. Our services allow you to focus on running your business while ensuring critical at-risk assets such as application, email and web servers; routers, firewalls and switches, are properly managed and adequately protected. Optus Managed Security Services are delivered from our Advanced Security Operations Centre (ASOC) or Commercial Network Operations Centre (NOC), in three core areas:

Network and infrastructure security

Providing assurance for the underlying computer network infrastructure of your business

Content Security

Combating data leakage, this service focusses on helping organisations to prevent data leakage across three key areas: data at rest; data in motion; and data in use.

Application and event management security

For both web application security and traditional application security, assisting with managing security risks at the application layer.

Key Managed Security Services

Managed Firewall – includes options for up/down monitoring through to firewall rule changes. Additional security event reporting enables you to review a snapshot of traffic activity as it passes through your firewalls. Our service delivers potential threat intelligence using technologies integrated into our Security Event Management platform.

Managed Intrusion Detection and Prevention (IDP) – with IDP monitoring integrated into our Security Event Management platform, we can detect threats from malicious hackers who are interested in gaining access to your intellectual property and data. A Managed Security service will fine tune rules to reduce intrusions.

Managed Secure Remote Access – enables access for employees to the enterprise using SSL VPN via a virtual private network, offering secure access to critical and confidential systems for a mobile workforce.

Distributed Denial of Service Mitigation (DDoS) solutions – Leveraging globally distributed resources, Optus' DDOS solutions help mitigate DDoS threats closest to the point of attack and help keep networks and websites up during DDoS attacks.

Email, Web and Data Security Gateway – Combining cloud and on-premise components, our Email, Web and Data Security Gateway enables inbound filtering of email and web. With finely tuned policies for outbound filtering, as well as an optional second layer of inbound filtering, advanced classification and blocking.

Managed Security Event Management (SEM) – offering visibility and awareness on the 'state of health' of security in your business through managed event collection, correlation, analysis, consolidation and alerting on critical breaches of your network infrastructure.

Managed remote 24/7 monitoring and support – A vigilance over your defenses is maintained around the clock with a 24 x 7 monitoring and response capability. Protecting your information assets which are susceptible to malicious cyber attacks at any time, we can respond to real issues in your business within agreed response times and service levels.

Our monitoring and reporting keeps you aware of attacks and gives insight into the operation of your system. You can see threats early, through a central portal that links through to a world-leading threat intelligence network.

Tapping into this 'follow the sun' model can supplement and support your internal SOC capabilities.

Optus' ASOC is part of a global network of federated ASOCs powered by Trustwave, that operate across time zones to monitor, detect, respond and remediate potential security incidents that threaten your business. We recognise that security is a global issue. Tying into the Trustwave global network of federated ASOCs gives access to the latest threat intelligence on a global scale to anticipate new threats.

With Optus being one of Australia's largest and most established providers of ICT, customers include some of Australia's largest retail and travel brands, as well as major financial institutions. Optus Cyber Security can help you optimise your business, communications and information systems.

Give us a call

To discuss how Optus can help you through innovative cyber securitysolutions, **contact your Optus Account Manager or call the Optus Business hotline on 1800 555 937**

Join the conversation

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