CHARTING A CLEAR COURSE: PRIORITIZING SECURITY INVESTMENTS AND ACTIVITIES

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Opportunities

Globalization: more markets, customers, and business potential

Always-on access provides more productivity

Ability to analyze massive data sets at scale and speed

Scalable, cloud base storage: efficient, cost effective, and secure

Modern engineering: allows for more agility in building capabilities, features, and in responding to threats

Risks

Globalization can lead to “digital xenophobia”

More lucrative targets give rise to more dangerous threat actors

More surface area for attacks/exposure to harm, including supply chain

The client-to-cloud world requires a control shift (Identity is the new perimeter)
Leadership principles and practices

Create clarity
Synthesize the complex
Ensure shared understanding
Define a course of action

Generate energy
Inspire optimism, creativity, and growth
Create an environment where everyone does their best work
Build organizations that are stronger tomorrow than today

Deliver success
Drive innovation that people love
Be boundary-less in seeking solutions
Tenaciously pursue the right outcomes
# FY18 Digital security strategy

## 14 EPICS
- All internet facing interfaces are compliant
- CSE&O meet General Data Protection Regulation (GDPR) obligations
- Onboard all CSE LOB Apps to SDL baseline requirements
- Tier 1 Critical Services are Resilient

## COLLABORATIVE SERVICES:
- Emerging technology standards
- Security education and awareness
- Security Technology Evaluations

## 5 INVESTMENT PILLARS
- Business response and crisis management
- Compliance
- Enterprise business continuity management
- Enterprise Security Governance
- LOB security assurance
- Red Team Penetration Testing
- Risk management office
- Security Incident Response
- Supply chain security assurance
- Insider threat

## 27 SERVICES
- Eliminate passwords through multi-factor authentication
- Protect the Administrators
- Simplify provisioning, entitlements, and access management
- Evolve endpoint protection
- Only allow access from healthy devices
- Evolve phishing protection
- Build Operational Security Intelligence Platform and Service
- Detect threats through user behavior anomalies
- All Microsoft data is Classified, Labeled and Protected

Evolve cloud security capabilities and operations across the enterprise
Eliminate Passwords through strong and multifactor authentication

Approach to a Password-less World

1. Develop and Deploy password-replacement offerings

2. Reduce user-visible password surface area

Today

3. Transition users to using strong authentication instead of passwords

Achieve End-user Promise

4. Eliminate passwords from identity directory

Achieve Security Promise

Biometric on Device

FIDO

- MS
- Third Party

Authenticator
Available today across all mobile platforms, integral in corporate bootstrapping of MFA
HOW WE MANAGE RISK
Security Governance

Information Risk Management Council

How do we manage enterprise risk?

The mission of the Information Risk Management Council (IRMC) program is to enable a risk-based approach for managing information security, physical security, and customer and employee privacy related matters.
Our scope and principles

Early Warning
- Hurricane
- Snow storm
- Flood

Unlawful Acts
- Cyber
- Workplace violence
- Terrorism
- Geo-political

No Warning
- Earthquake
- Technology disruption
- Supply chain disruption

Public Health
- Pandemic
- Epidemic
- Manmade (Anthrax)

Our Crisis Management Principles:
- Put life safety above all else
- Protect our customers
- Protect Microsoft
- Abide by all legal and contractual obligations for notification
- Communicate the facts often
- Prepare for the worst case scenario in a crisis event
- Recognize global impacts
APPLYING WHAT YOU’VE LEARNED
Apply What You Have Learned Today

Next week you should:
- Recover from RSA

In the first three months following this presentation you should:
- Determine where and how you can simplify
- Identify your most important security priorities

Within six months you should:
- Begin implementing a plan to focus on your own priorities
- One example you could leverage—create a governance model to manage, plan, and navigate risk
THANK YOU