

# Security as a business Enabler

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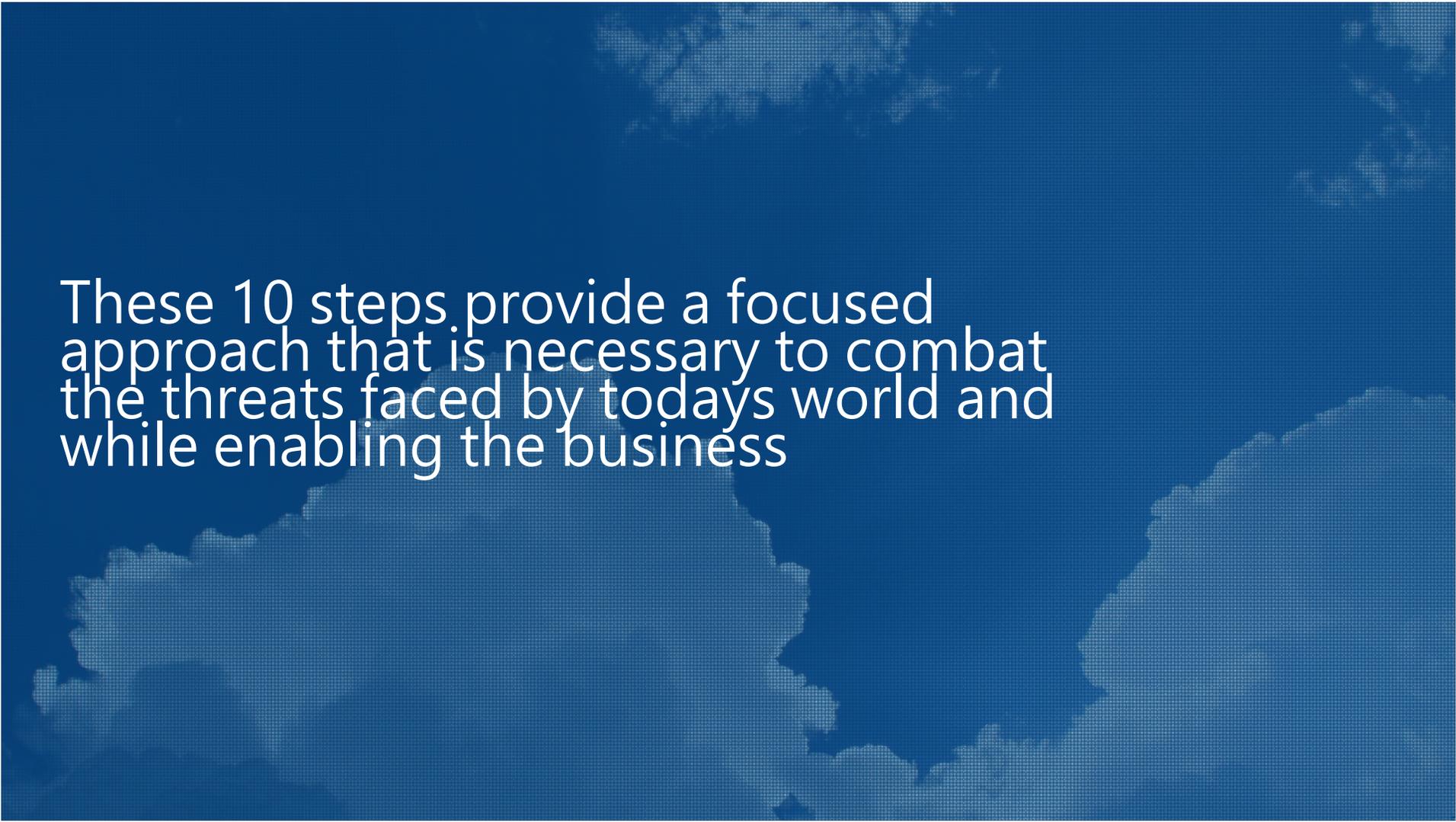
2016 : We're in the middle of a perfect storm.

An aerial photograph of a river with turbulent, white-water rapids and a waterfall. The water is dark and churning, with white foam from the rapids. The surrounding landscape is rocky and forested.

Technology  
Innovation

Ever-changing  
Adversaries

Organizational  
Evolution



These 10 steps provide a focused approach that is necessary to combat the threats faced by today's world and while enabling the business

#1 Change the conversation from security to risk and become a department of YES

#2 Understand the adversaries' focus and their attack model

- Utilize external sources and partners for information.
- What components will be under attack?
- Why? How? By whom?

#3 Understand your crown jewels

- Focus security efforts on the most important areas, Data, Brand, Privacy, Applications, People.

## #4. Take care of good Hygiene

- Keep current on patches.
- Utilize the network as an inspection, data gathering and control point. Not just a port blocker.
- Manage Identities, especially the privileged users they are your weakest link.
- Utilize stronger authentication and adaptive authentication.
- Move from Roles to Rules and develop a dynamic approach to identity management.
- Schedule annual big picture security reviews.
- Develop strong remediation plans and have appropriate resources on retainer.

## #5. Reduce the attack aperture

- Design patterns to minimize trust boundaries
- Isolate solutions when possible and created trust zones in untrusted environments

## #6. Utilize encryption

- As a regulatory enabler.
- As an access enabler.
- As a privacy enabler.

## #7. Decrypt as necessary and inspect critical data

- Dell Threat report shows 64.6 % of web traffic now SSL/TLS.
- The adversaries are using this to their advantage.

## #8. Utilize intelligent solutions that off load work and use intelligence of others

- No matter your size you can not do everything on your own.
- Look for strong research teams and autonomous updates.

## #9. Look for new technologies that significantly change the landscape

- Advanced Malware Detection.
- Multi Sandbox approaches.

## #10. Move towards Security analytics, make data available and accessible for analysis

- IOT, Insider threat detection move us to a new era of security and also a new era of privacy concerns.

# How Security Enables the business

- By understanding the business you measure risk and appropriately insert security controls
- Security enables the adoption of new technology
- Shared security services such as Identity and Access management will reduce costs, increase efficiency and provide better user experience
- Security is a differentiator in partnerships and business opportunities. The weakest link is often the partner. The partners with better security will have an advantage
- Partnership with the internal and external business is critical to a successful security program

# The future

Prescriptive Analytics  
Non-malware based  
attack detection

Dynamic Identity  
and Risk Analysis

Insider Threat

Security  
Intelligence  
R&D

Advanced Data  
Protection and  
Classification

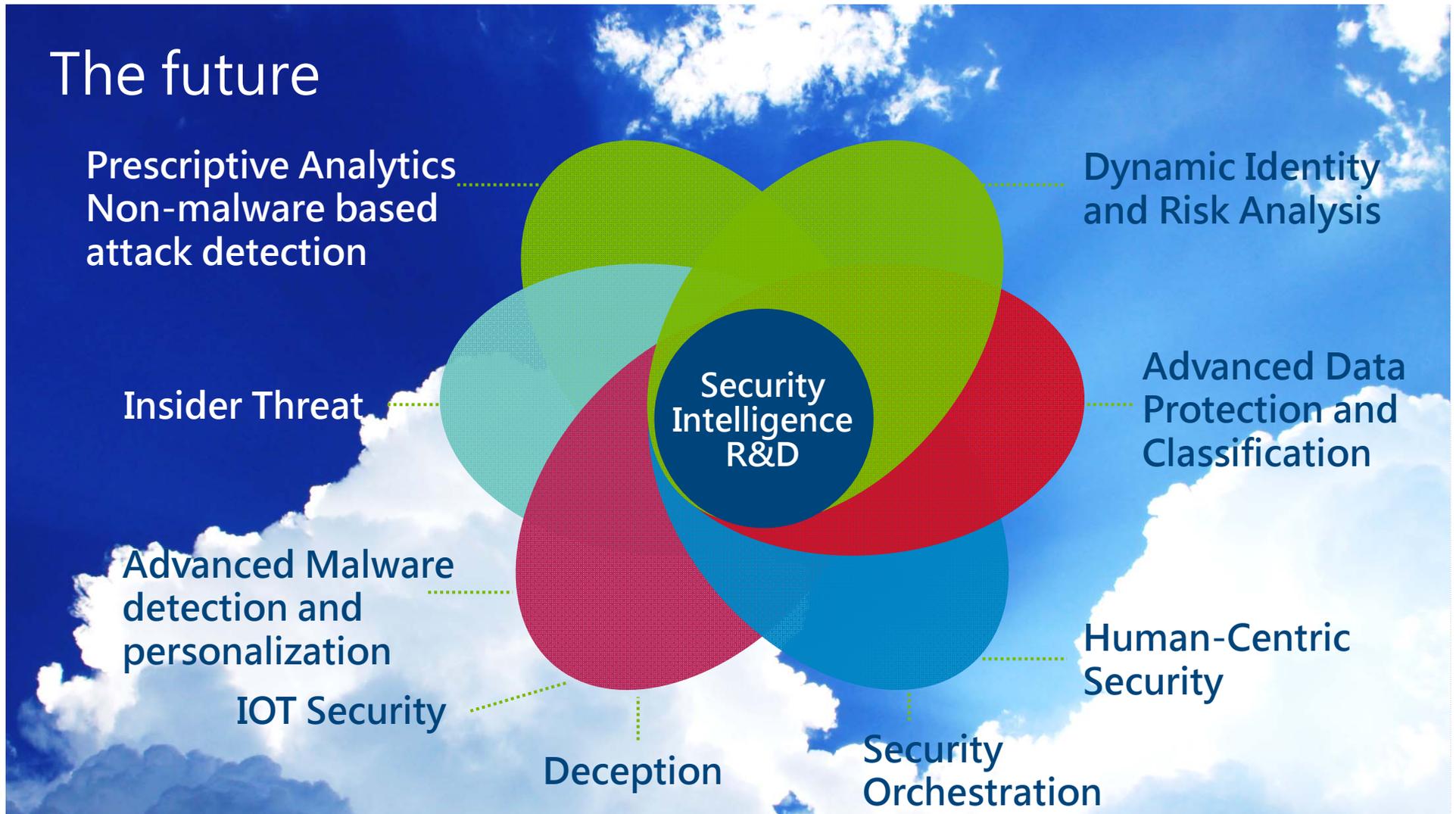
Advanced Malware  
detection and  
personalization

Human-Centric  
Security

IOT Security

Deception

Security  
Orchestration



Thank you

