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Leveraging Machine Learning &  
AI in Cyber Defense

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Tenable

# The Cyber Exposure



@VirtuPortMEA

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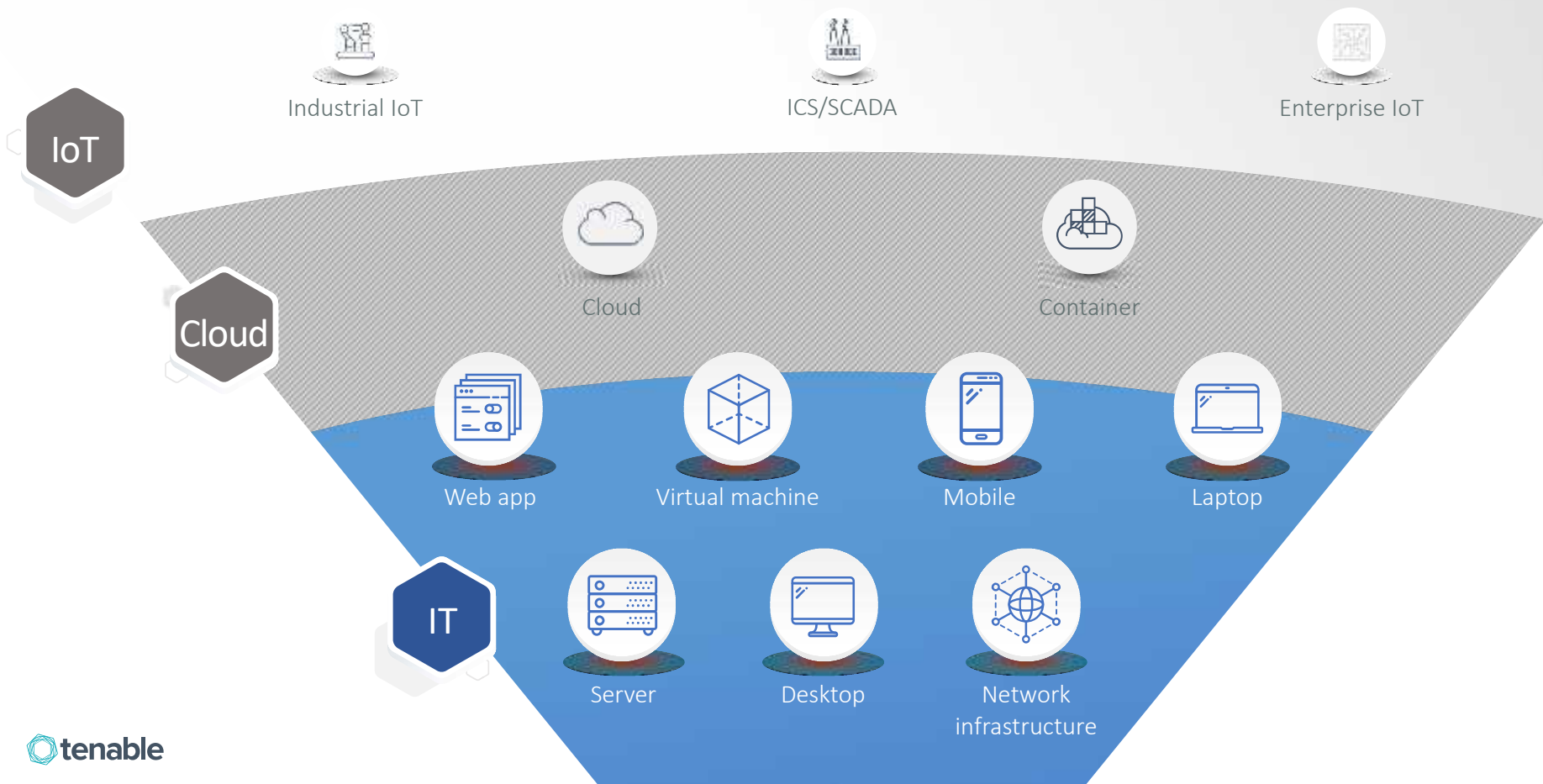


In the digital economy, digital transformation is no longer about disruption. **It's survival.**

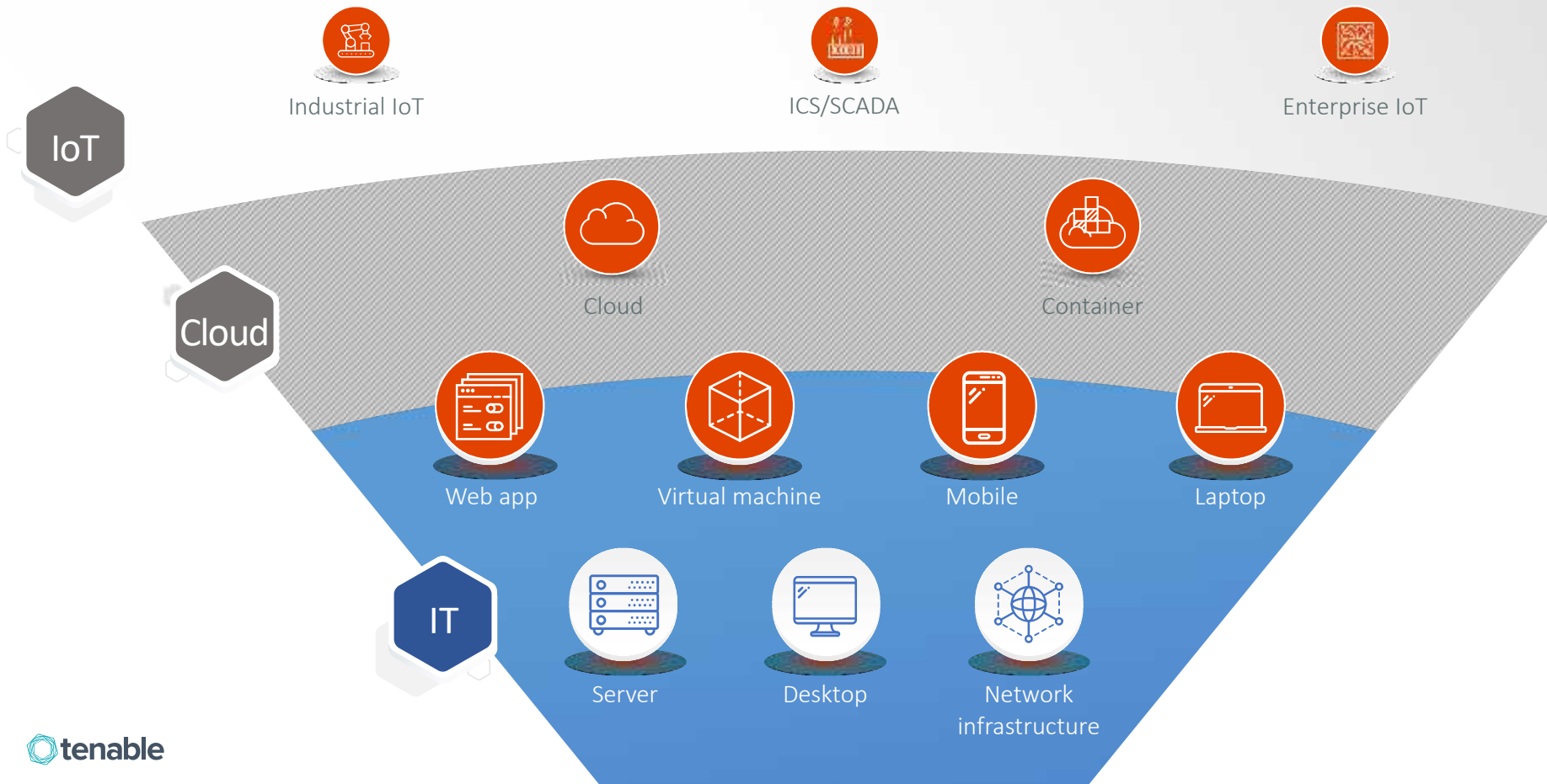
What strategic digital initiatives is your organization pursuing?

How is your team enabling them?

# The attack surface is **expanding**



# Creating a **Cyber Exposure Gap**



**Cyber Exposure  
is an emerging discipline for:**

Managing and measuring your modern  
attack surface to accurately understand  
and reduce your cyber risk

# The Four Key Questions



Where are we exposed?

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Where should we prioritize based on risk?

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How are we reducing exposure over time?

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How do we compare to our peers?

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# The Key to Prioritization — Shrinking the Scope



# How? Leverage Context and Intelligence





# The Next-Gen Cyber Exposure Platform

The first solution that empowers Security and Business executives to confidently visualize, analyze and measure cyber risk.

# FUNCTIONALITY

## Visualize

Visualizations of the attack surface allow anyone – from analyst to executive – to understand and explore their organization's Cyber Exposure

## Analyze

Risk-based exposure scoring provides clear guidance for superior prioritization

## Measure

Benchmarking of business metrics allows you to compare your effectiveness against peers

# Benefits

## Security Practitioners

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- Gain visibility into all assets and exposure
- Prioritize and remediate more effectively, based on risk
- Present security information in business terms

*Enable the practitioner to manage exposure more effectively at an operational level*

## Managers and Executives

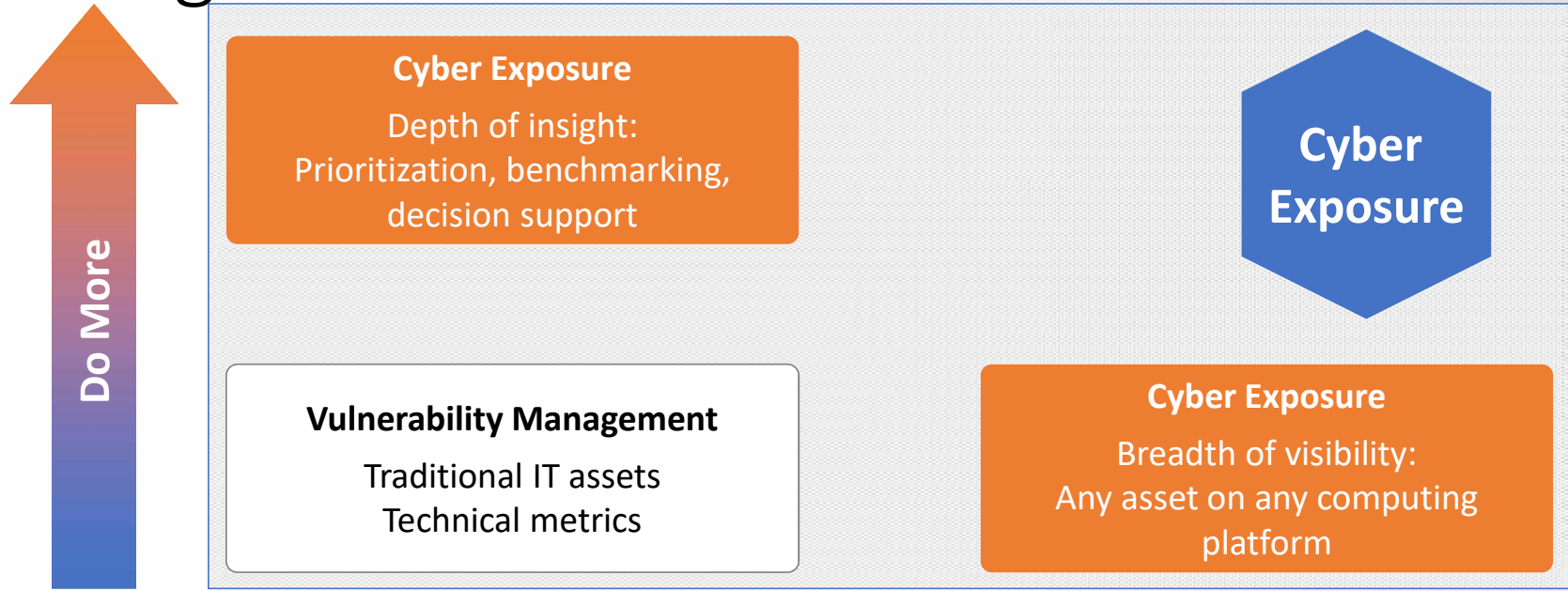
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- Improve decision making - manage cyber risks objectively, similar to other business risks
- Measure risk reduction and compare to peers
- Present security information in business terms

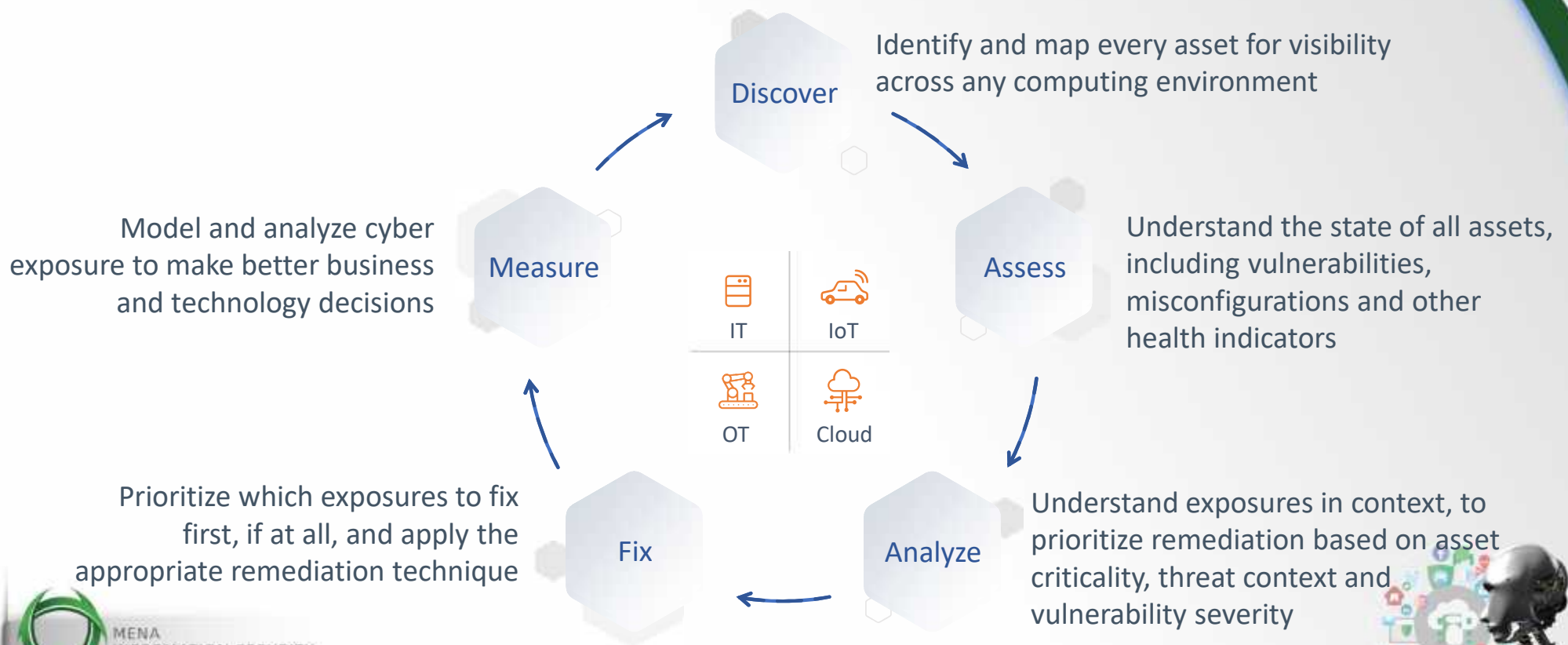
*Enable the executive to become a true risk strategist and advisor*



# Cyber Exposure builds on Vulnerability Management



# Addressing the full Cyber Exposure lifecycle



# Partnering for customer success: integrations

## CMDB

servicenow

bmc

## Public Cloud Platform

aws

Azure

Google Cloud Platform

rackspace

## Network Access Control

ForeScout

ALPHA  
cisco

## Credential & Privileged Access Management

CYBERARK

thycotic

## Network Monitoring

Signamix

APCON  
BUSINESS SOLUTIONS

## Mobile Device Management (MDM)

vmware airwatch

MobileIron

Good

Microsoft

## SIEM and Security Analytics

splunk

IBM

MICRO  
FOCUS

Hewlett Packard  
Enterprise

## Endpoint Security

McAfee  
Together is power.

## Service Desk / Ticketing / Workflow

servicenow

## Patch Management

Microsoft

IBM

redhat

KACE

Symantec

## Governance, Risk and Compliance (GRC)

RSA Archer GRC

## IP Address Management

Infoblox  
CONTROL YOUR NETWORK

THANK YOU!