

Top Security and Risk Management Trends for 2019 and Beyond

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3.5x

Increase in organizations
with 50% of their data in
the cloud 2018-2020



93%

are dealing with rogue
cloud app usage



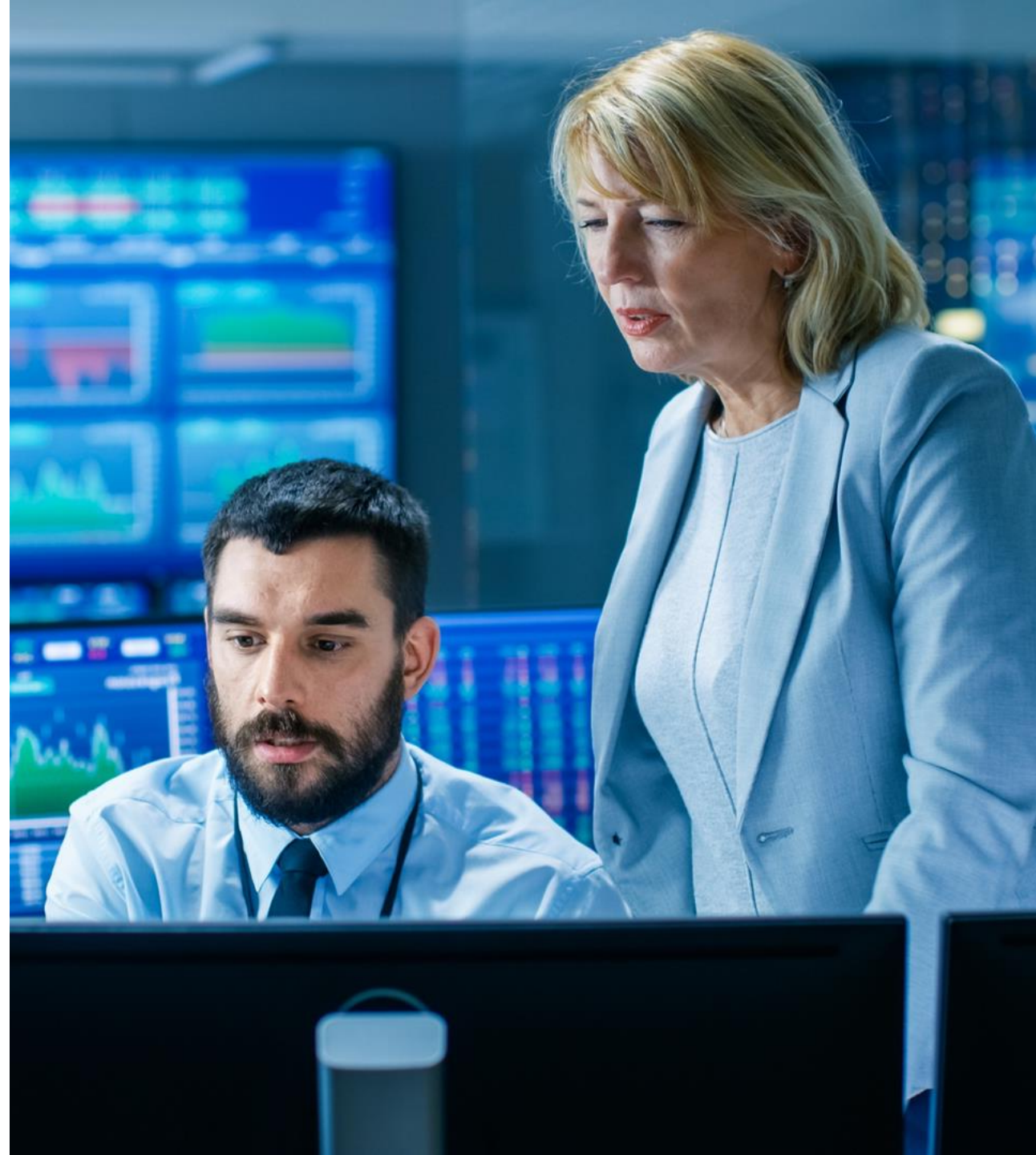
85%

Are interested in replacing passwords with new forms of authentication



More than **80%**
of enterprise web traffic will
be encrypted through 2019

The Controls of Security Are Rapidly Shifting and Your Focus Needs to Shift to New Approaches



External Mega Trends Beyond Your Control



Internal Mega Trends that Support Success



2019 Trends



Trend 1



1.5 million

Unfilled global cybersecurity roles expected by 2020

Source: [“Solving the IoT Security Talent Gap: Where You Look Matters.”](#) (G00347310);
[“Data Scientist Jobs: Where Does the Big Data Talent Gap Lie?”](#) IT Pro



Trend 1:

Fusion of Products and Services



Trend 2



33% increasing investment in cloud



35% decreasing investments in datacenter



Trend 2:

Cloud Center of Excellence Emerges

Four Primary Areas of Investment

Cloud Security
Posture
Management
(CSPM)

Cloud Workload
Protection
Platforms
(CWPPs)

Cloud Access
Security Brokers
(CASB)

Chief Cloud
Architect &
SecDevOps

Infrastructure

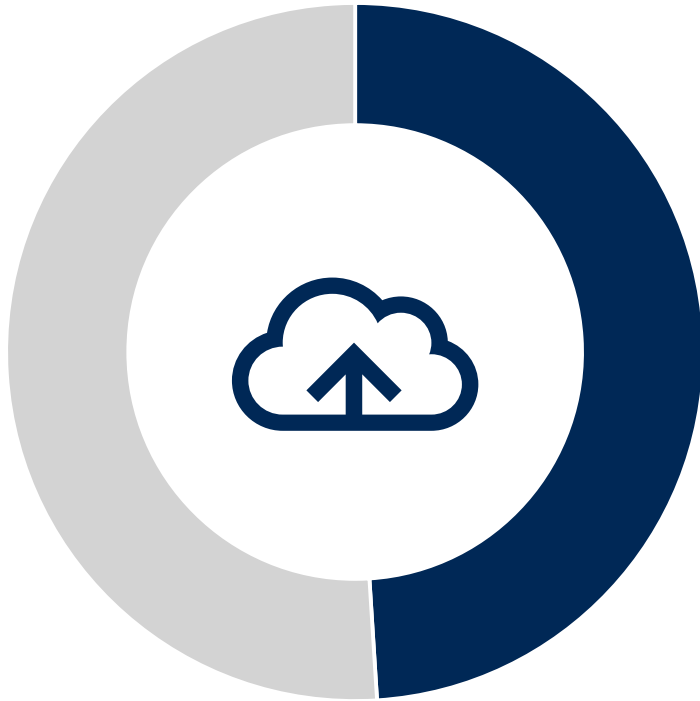
Platform

Software

**People &
Process**

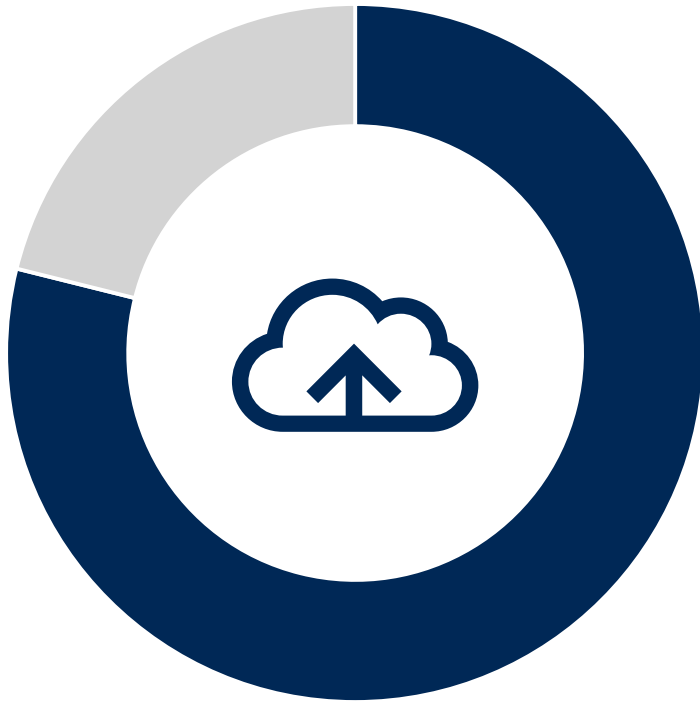


Trend 3



49%

Expect to store the majority of their data in a public cloud by 2020



71%

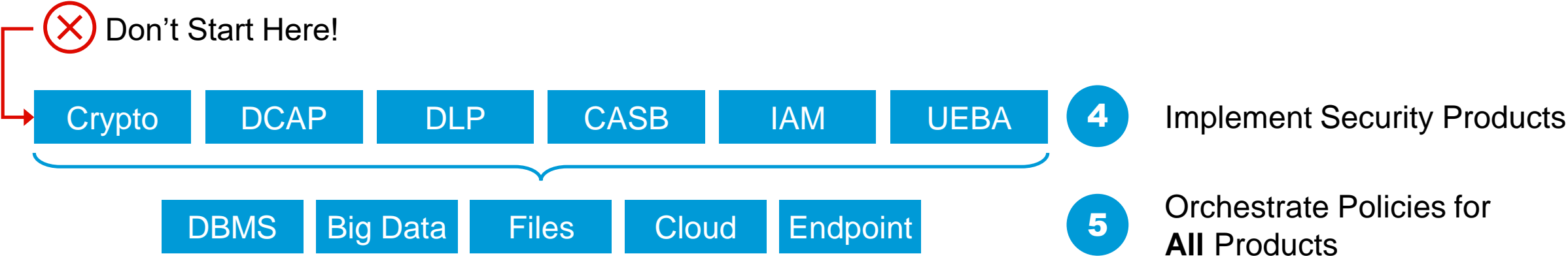
Report that the majority of their cloud-resident data is sensitive



Trend 3:

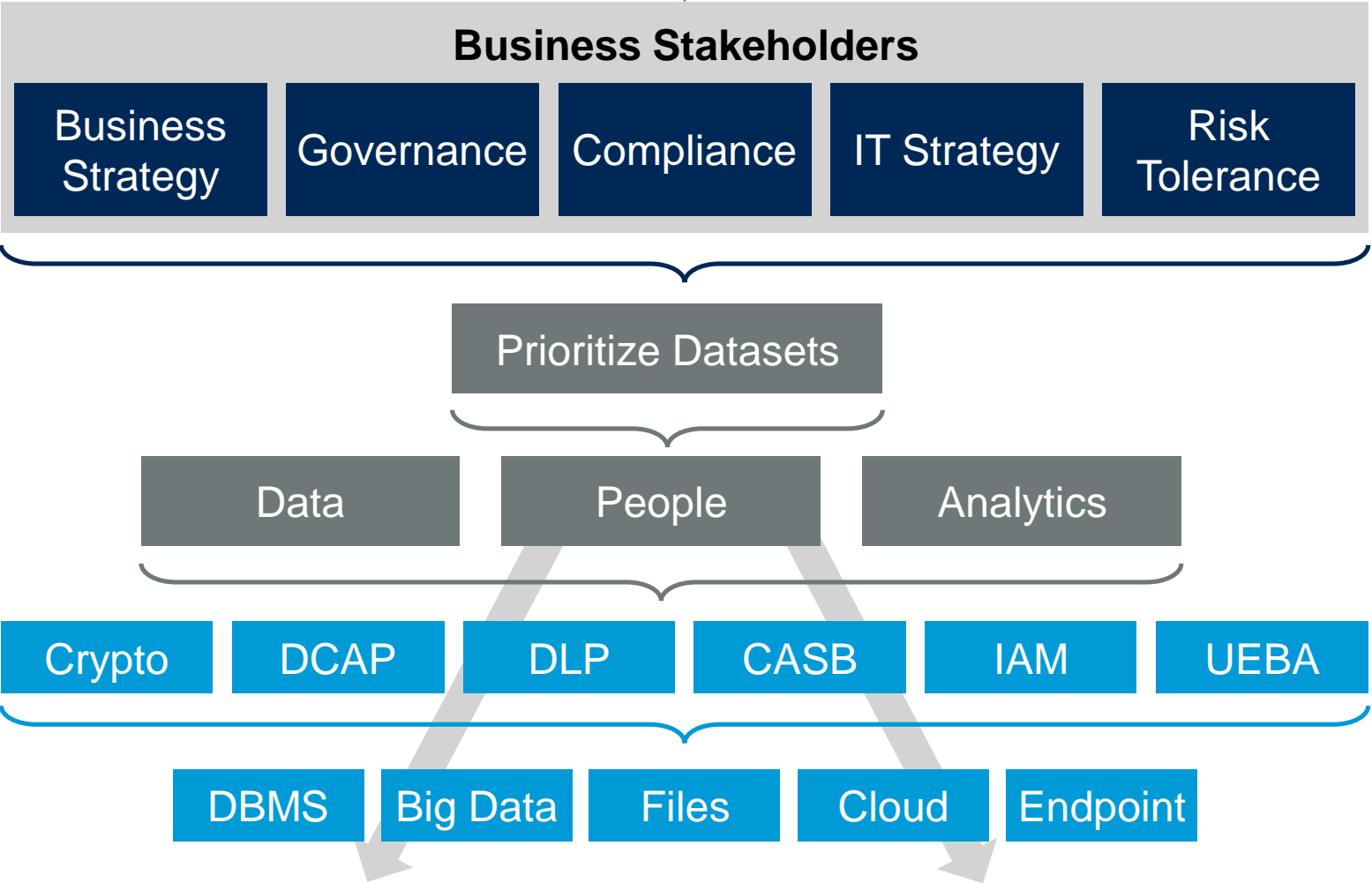
Data Security Governance Framework

DSG Framework



DSG Framework

Start Here! 



- 1** Balance Business Needs Versus Risks
- 2** Identify, Prioritize and Manage Dataset Life Cycles
- 3** Define Data Security Policies
- 4** Implement Security Products
- 5** Orchestrate Policies for **All** Products



Trend 4



83.9%

of phishing attacks targeted credentials for financial, email, cloud, payment, and SaaS services



Trend 4:

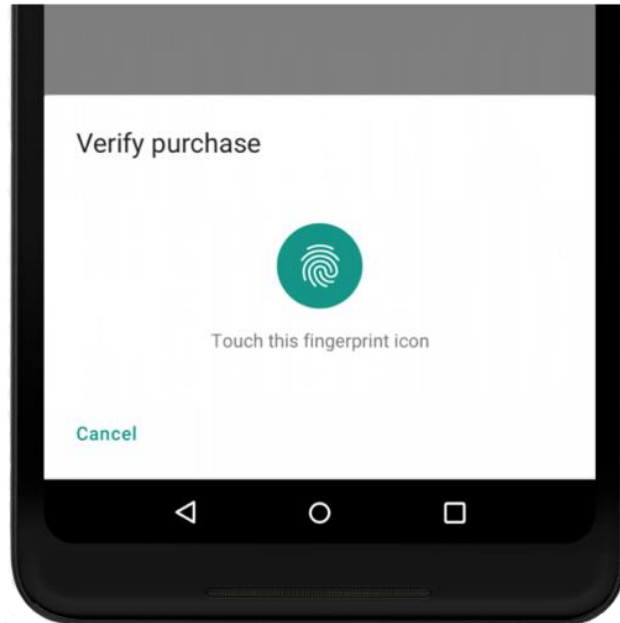
Dawn of Passwordless Authentication



35%

of smartphones will adopt more than one biometric authentication method by 2022

Passwordless Authentication



Security Key by Yubico





Trend 5



70%

of organizations are unable to process more than 60% of their security event data.



Trend 5:

Security Operations Center Revitalization



50%

of all SOC types will transform into modern SOC types with integrated incident response, threat intelligence and threat hunting capabilities by 2022

Biggest Challenges

New

- ! Staffing
- ! Adopting new tools
- ! SIEM vs. EDR
- ! Or Outsource

Renewed

- ! Integrating threat intel
- ! Consolidating alerts
- ! Establishing playbooks
- ! Automating workflow
- ! SOAR



Trend 6



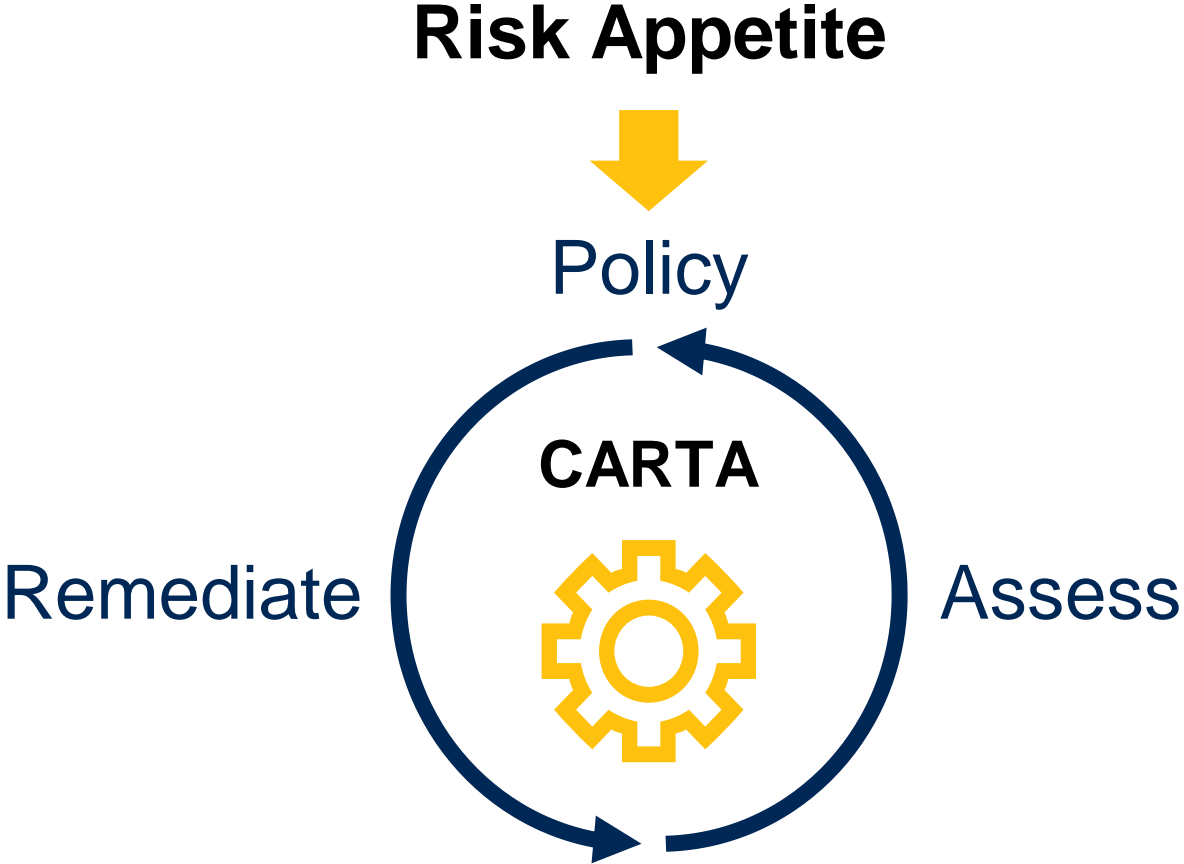
Trend 6:

Carta Proliferates

Examples

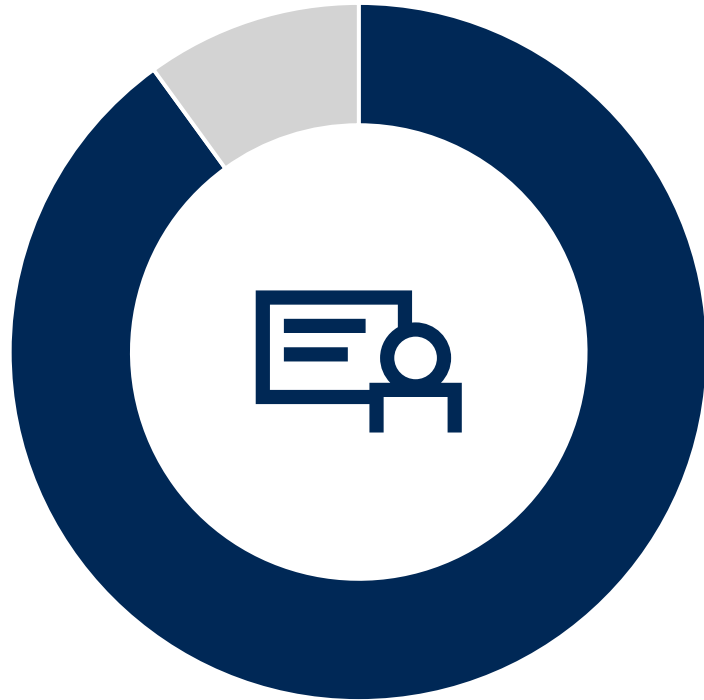
Intrusions detection
inside the LAN

Internal protection
for email





Trend 7



90%

of large enterprises CISOs
expected to present security
issues to business leaders.



Trend 7:

Risk Appetite Statements Emerge

The Simple Story



Sample Risk Appetite Statement

National Rail System has no appetite for safety risk exposure that could result in injury or loss of life to public, passengers and workforce. All safety targets are met and improved year on year. In the pursuit of its growth and modernization objectives, the NRS is willing to accept risks that may result in some financial loss.



- ▶ **Think Differently**
- ▶ **Explore New Options**
- ▶ **Challenge Assumptions**



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