

RSA® Conference 2019 Asia Pacific & Japan

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The logo features the word "BETTER." in white, bold, sans-serif capital letters. The letters are partially obscured by a dynamic, colorful network of lines and dots in shades of green, cyan, magenta, and purple, which radiate from the bottom right corner of the slide.

SESSION ID: SPO-W02

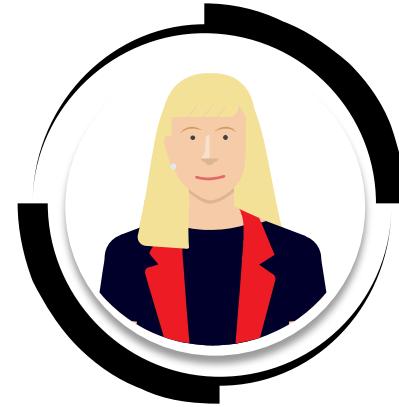
Changing role of a modern CISO in Digital Transformation Era

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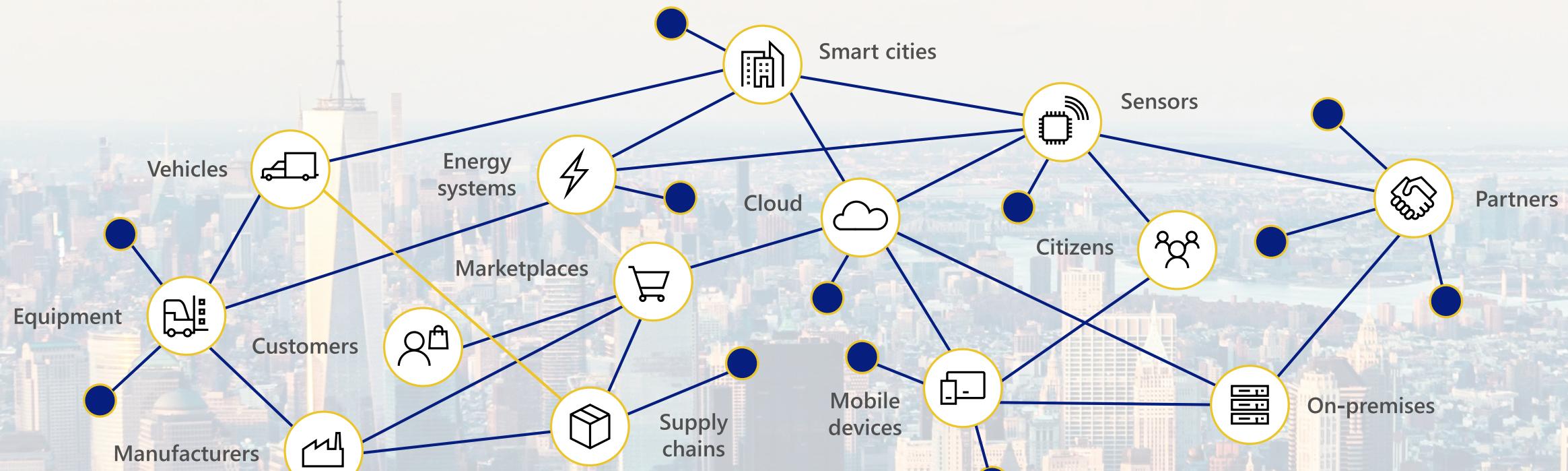
#RSAC

Chief Information Security Officer

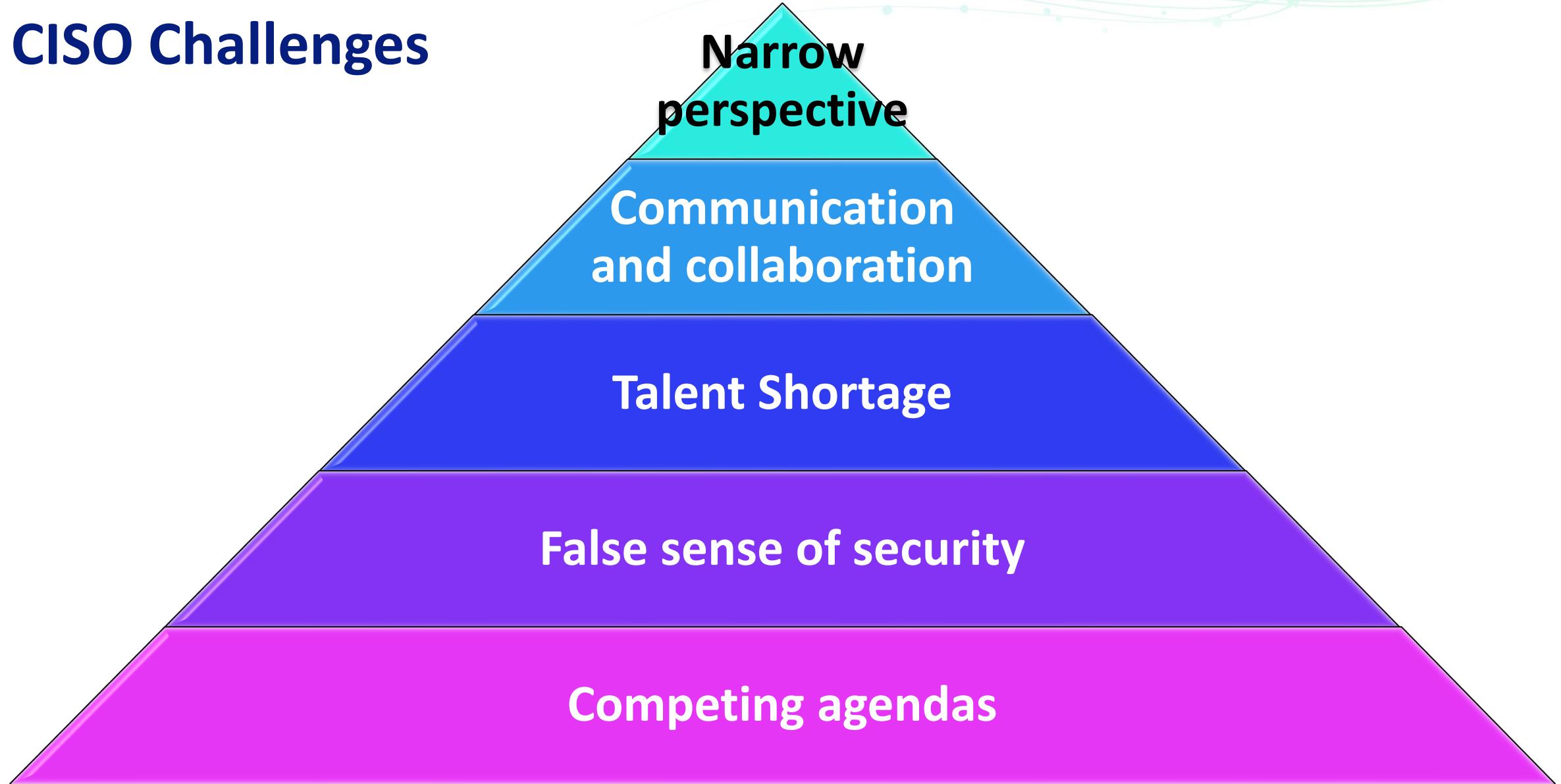


- In addition to being responsible for all aspects of information security for their organization, the CISO (sometimes used interchangeably with CSO-Chief Security Officer) must understand the overarching enterprise vision and strategy, and then take all steps necessary to see that its information assets and technologies are properly protected.
- It's relatively common for the role to report to the CIO, however CISOs definitely gain clout when they report directly to the CEO or the board, which is becoming an increasingly common practice.

Today's Digital Estate



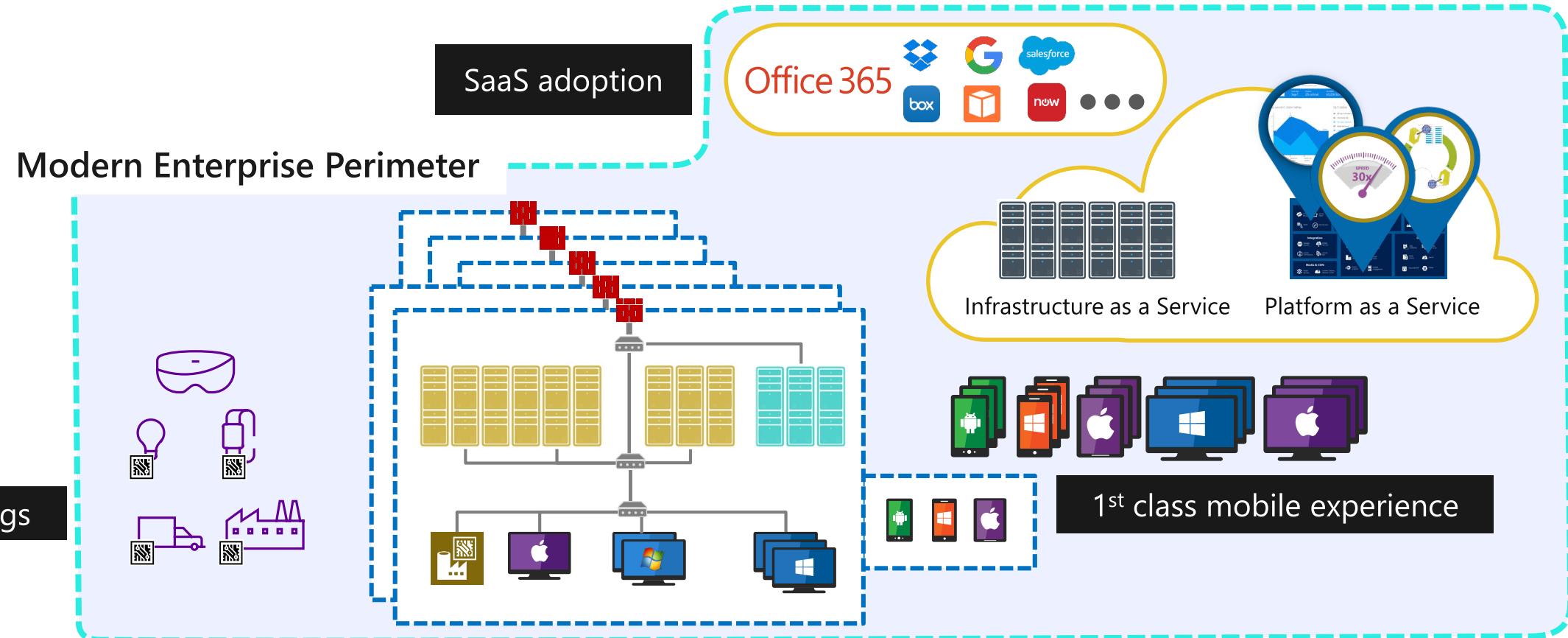
CISO Challenges



Your enterprise in transformation

Requires a modern identity and access security perimeter

Cloud Technology



ENGAGE
YOUR CUSTOMERS



EMPOWER
YOUR EMPLOYEES



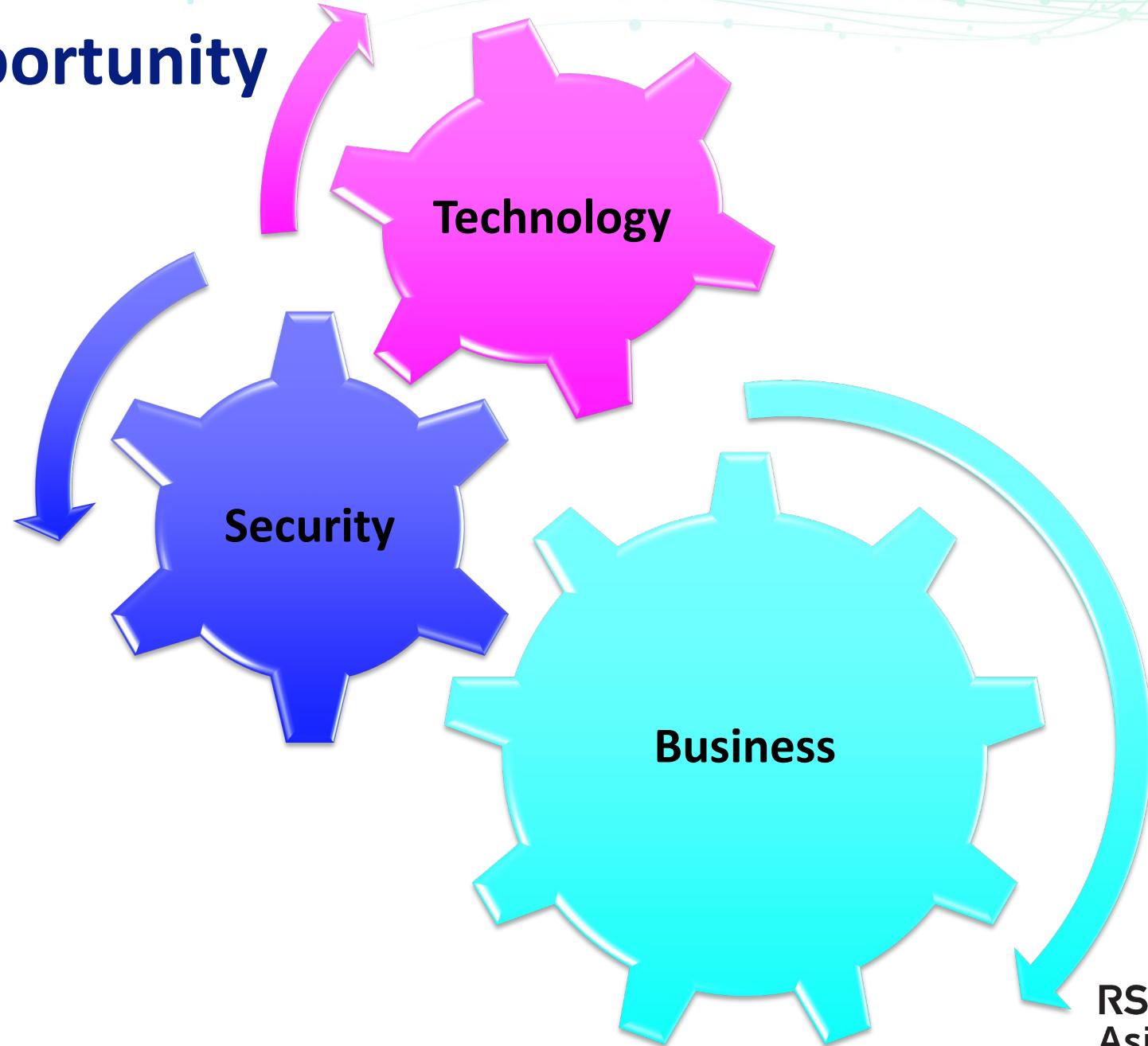
OPTIMIZE
YOUR OPERATIONS



TRANSFORM
YOUR PRODUCTS



The CISO Opportunity



CISO vs Board of Directors



VS.



Two dreadful questions ?

Have we been breached ?

Are we secure ?

Journey

Untrusted
Invisible
Traditional

Trusted partner
Visibility
Transformational

CISO's Focus



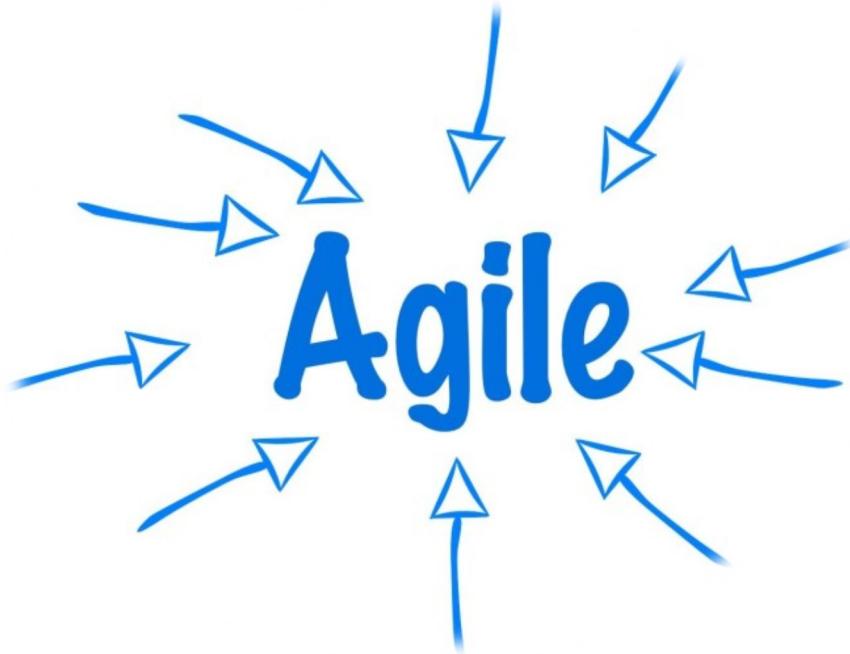
Shift in CISO Role

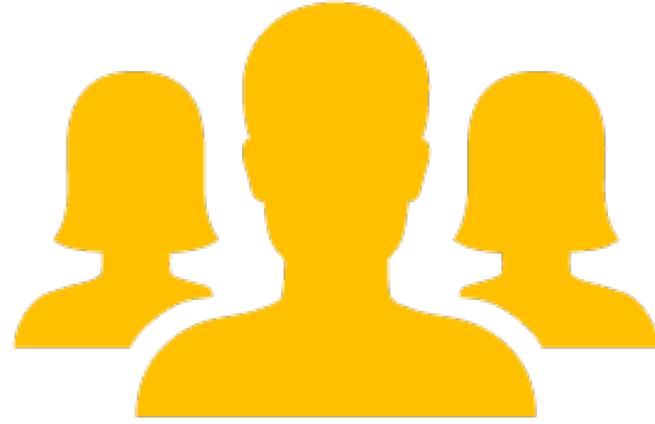
Cyber Risk
Management

&

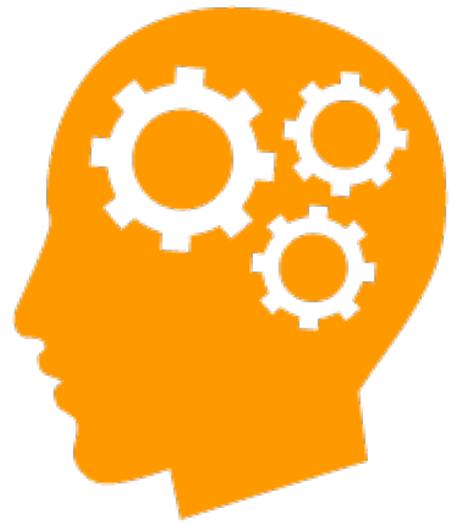
Creating
Business Value

CISO's imperative

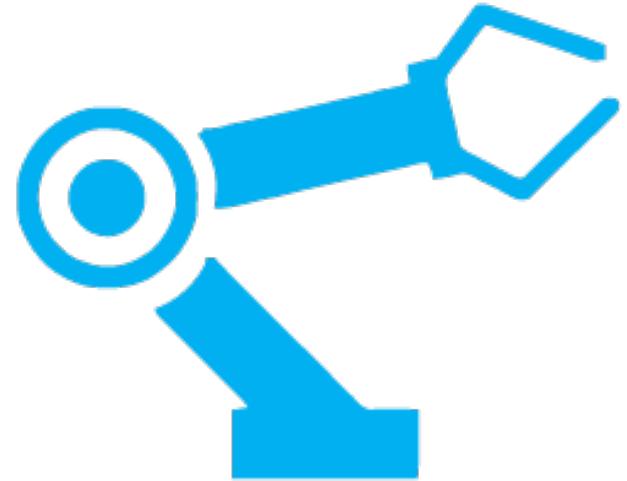




People



Process



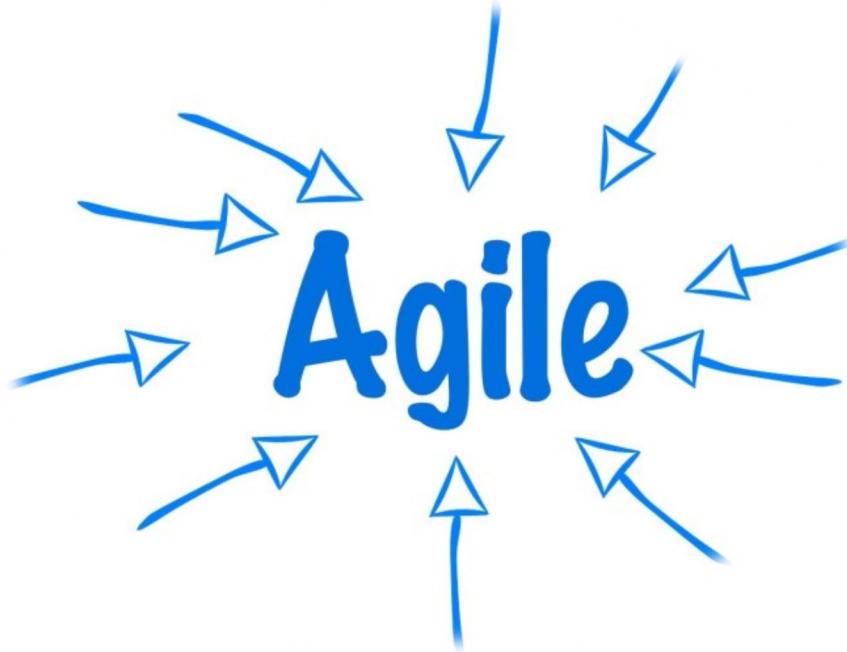
Technology

Need for Speed



- Resiliency speed, how fast you can recover
- Consolidation of tools and technology
- Simplifying your operation

Being more Agile



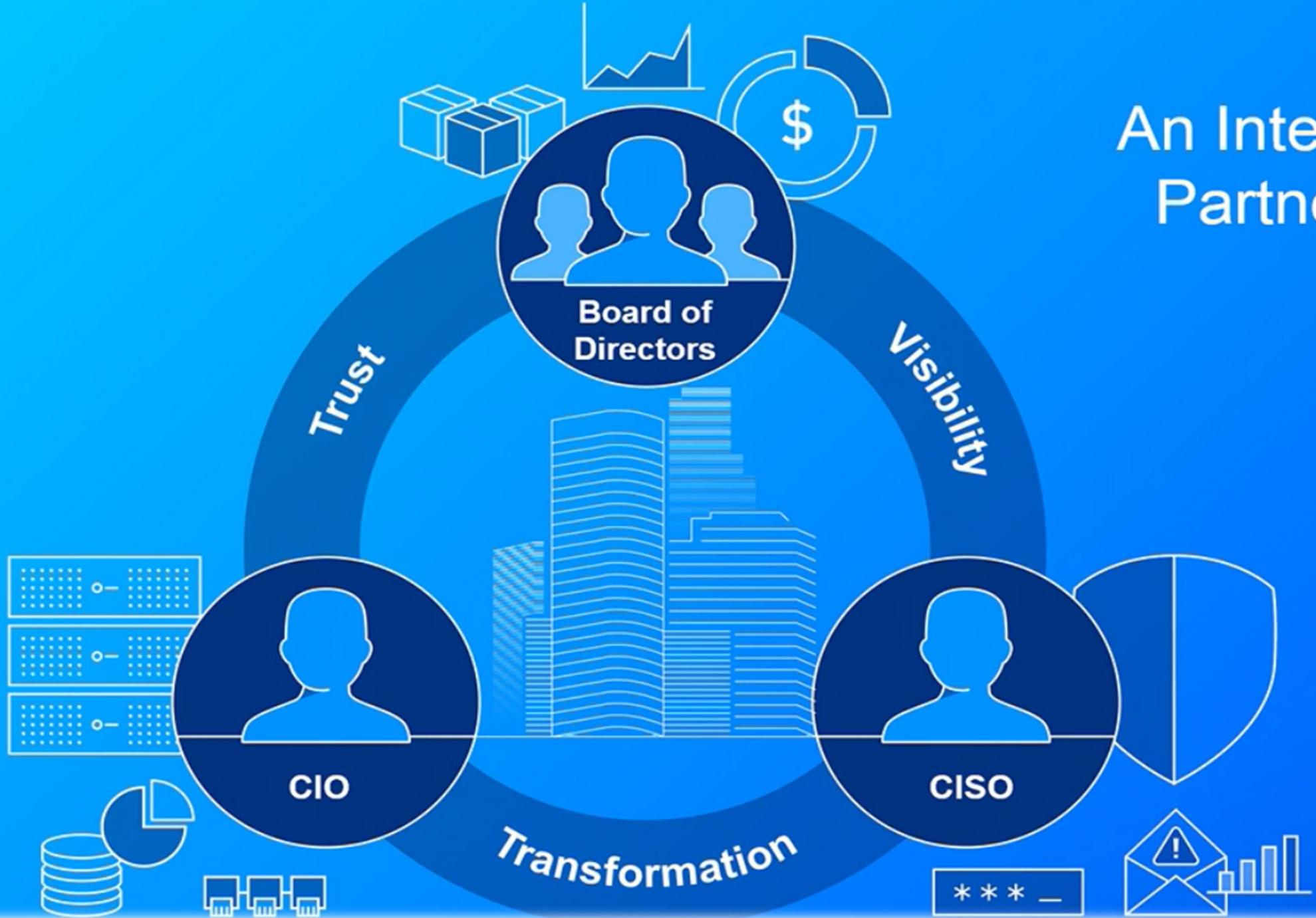
- Centralize vs De Centralize
- Be part of your business team
- DevSec Ops
- Empower team

Creating Visibility in your Eco-system



- Accuracy and Coverage
- Use of AI and ML
- Quickly predict and respond
- Remove Alert Fatigue

An Integrated Partnership



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Dawn of a New Era



The Future of the CISO - A view from Gartner

More companies are appointing a CISO with “*decreasing responsibility for day-to-day security operations, and a greater level of participation in strategic business decisions*”

<http://www.iweek.co.za/training-and-recruitment/new-security-order>

Gartner says:

“*CISOs must be leaders for digital transformation*”

<https://www.gartner.com/en/information-technology/role/security-risk-management-leaders>

“By proactively assessing risk appetite and the value of the desired business outcome, CIOs and chief information security officers (CISOs) can transform digital risk management into a competitive advantage.”

John A. Wheeler
Director, Gartner Research & Advisory



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The Emerging role of Digital CISO Cont'd

- Technical security is becoming an operational issue
- Information security is emerging as a strategic business issue, addressed through risk management processes
- Resulting in “more authority and influence being invested in the security manager or CISO”
 - More CISOs are participating in “crucial business decisions” and are reporting outside of IT
- Ceding turf to a “more powerful security function also raises political issues,” especially with the CIO position.

Split within the role of CISO

CITSO

- Security Operations
- Vulnerability assessment
- Firewalls
- Platform security
- AV, IPS, IDM
- Technical

CIRO

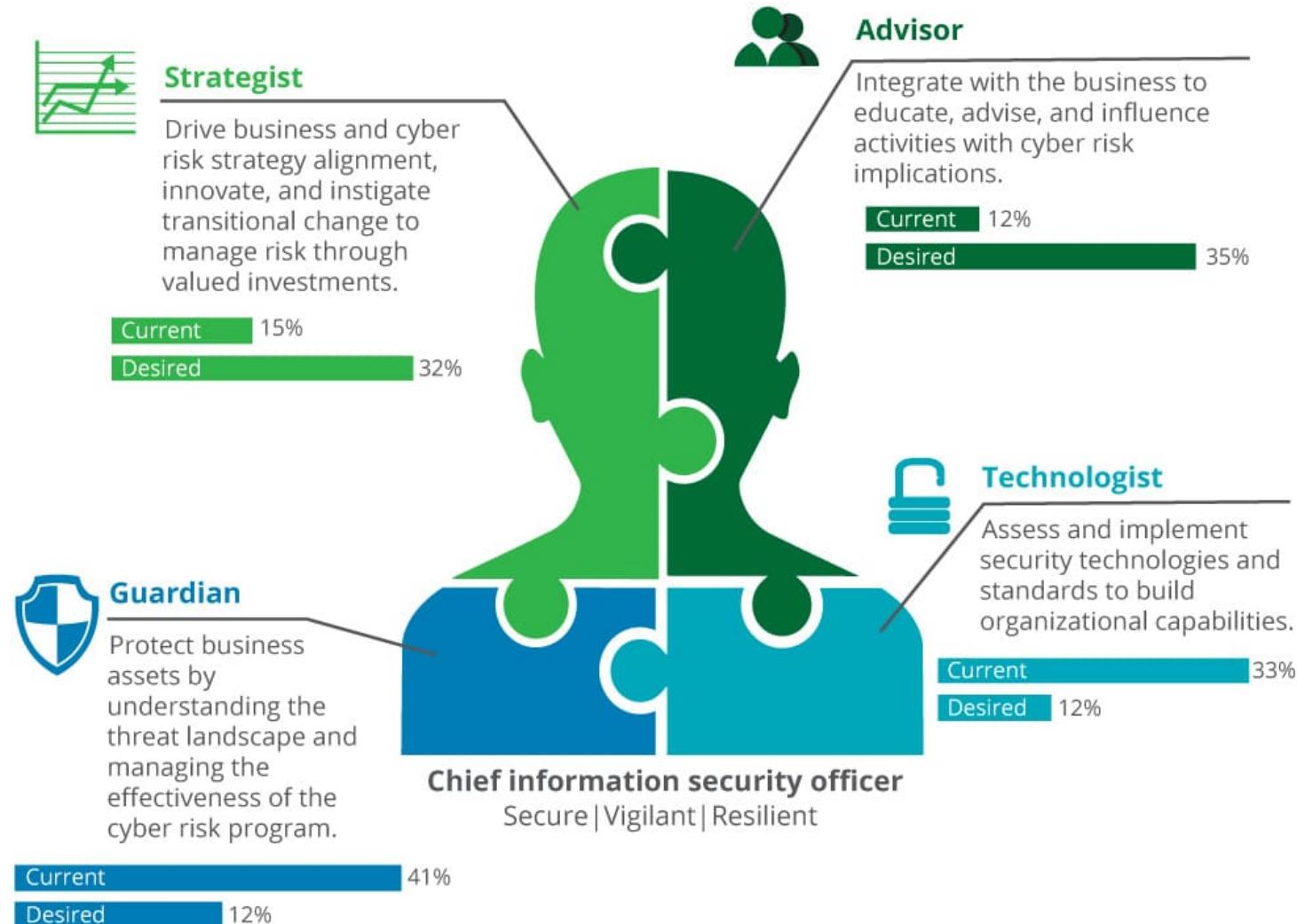
- Business continuity
- Technology Risk
- Policy and Standard
- Risk Management
- Operation Risk
- Compliance
- Managerial

CCSO
CDSO

- Cyber Resiliency
- Cloud Security
- Third Party Risk Management
- Highly focus on Architecture
- Threat Management
- Incident Management

The four faces of The Modern CISO

Figure 2. The four faces of the CISO



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Next step.....

Transform yourself from...

“Chief Infosec Scapegoat Officer”

to

“Chief Influence Security Officer”

Summary and End Note

- The CISO role will grow and gain respect, will become an **ENABLER** rather than a **DISABLER**.
- Develop a **communications strategy and plan** for continuation stakeholder engagement and education.
- Focus on your most important mission i.e. **Preserve customer/user trust, Prevent damage to your environment and Ensure compliance.**
- Reduce operational complexity will result in the **consolidation of IT security vendors and tools.**

Board communication tips from Microsoft's CISO

- Updated and Discussion, have discussion as and when needed and updated 2 or 3 times a year.
- 5 questions CISOs need to ask themselves before presenting to the board
 1. Can you demonstrate a good governance process ?
 2. Do you have the right talent in place ?
 3. What are you doing to ensure a culture of cybersecurity ?
 4. How are you dealing with Technical Debt
 5. How are you and what are you doing to Future Proofing the company?

<https://www.microsoft.com/en-us/videoplayer/embed/RE30ldv?autoplay=true>

The role of the CISO



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Questions !!

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