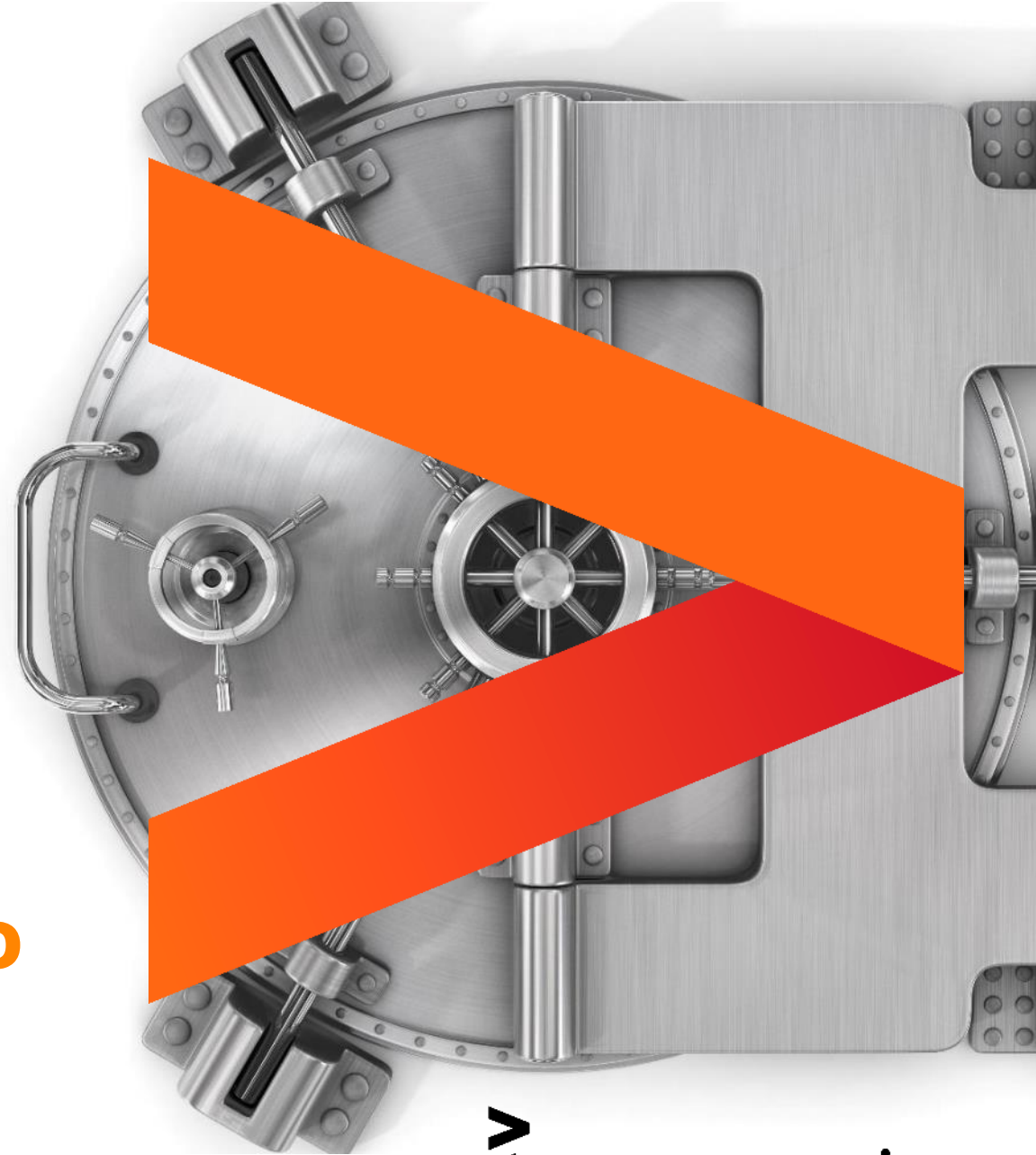


6th INFORMATION SECURITY CONFERENCE

AKIS GIOUCHAS
SENIOR MANAGER, SECURITY LEAD

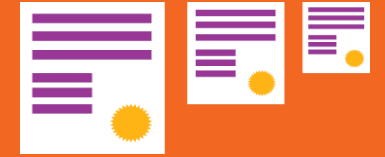
**CLOUD SECURITY:
CYBER DEFENSE
IN THE CLOUD ECOSYSTEM**



accenturesecurity

ACCENTURE SECURITY

350+ pending and issued Patents related to security



6 billion+ raw security events processed daily



400+ Clients spanning 70 countries

People
6.000+



20+ years

of experience helping clients secure their organizations



Washington, DC

Prague (~140 FTE)

Naples

Tel Aviv

Bangalore

Manila

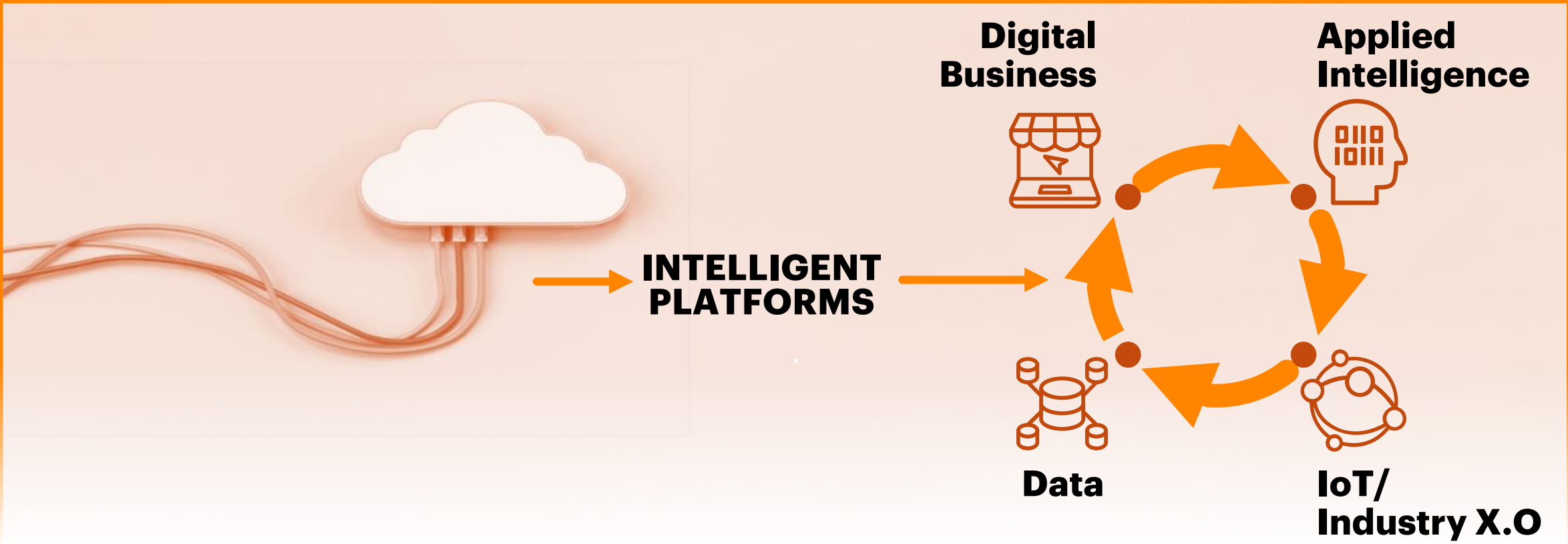
Buenos Aires

- Cyber Labs
- Centers of Excellence
- Cyber Fusion Centers



JOURNEY TO CLOUD

NOT "IF?" AND NOT "WHEN?" ANYMORE



HOW?

ABOUT SOME MYTHS ON CLOUD SECURITY

KNOW THE REALITIES



Myth:

1. **Physical control of data on premises implies security**



Myth:

2. **Cloud is inherently insecure**



Myth:

3. **Cloud Security Tools and capabilities are not ready**



Myth:

4. **Cloud Security is far too difficult to maintain**



Myth:

5. **There are more breaches in the cloud**

TRADITIONAL SECURITY TECHNOLOGIES ARE NOT SUFFICIENT

Geographically dispersed, heterogeneous, dynamic networks, platforms, intelligent devices, and cloud-based services...

TRADITIONAL ENTERPRISE



EXTENDED ENTERPRISE



CLOUD BASED, CONNECTED



Evolution of the Enterprise landscape

Evolution of Cyber Defense



CHALLENGES



CYBER DEFENSE CHALLENGES IN THE CONTEXT OF JOURNEY TO CLOUD

**COMPLIANCE –
DATA RESIDENCY**



**LEGACY
SECURITY TOOLS**



**CLOUD SECURITY
EXPERTISE**



**MIXED CLOUD
ENVIRONMENTS**



ADVISE A

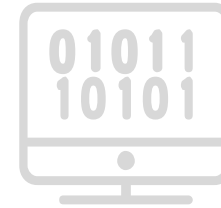
EXTEND SOC TO PROTECT CLOUD ENVIRONMENTS



SECURITY OPERATIONS CENTER CAPABILITIES

Recommended Capabilities

**Operational Monitoring
Services**



Active Defense & Response

**Vulnerability
Management**

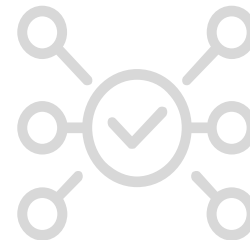
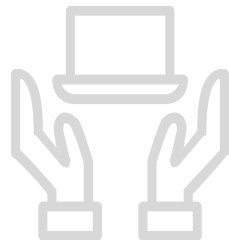


**Advanced Security
Analytics**



Threat Management

Security Incident Management



**Security Information & Event
Management**

DESIGN RECOMMENDATIONS



Policies & Procedures



Preparation



Best Practices



Automation



Skill Set



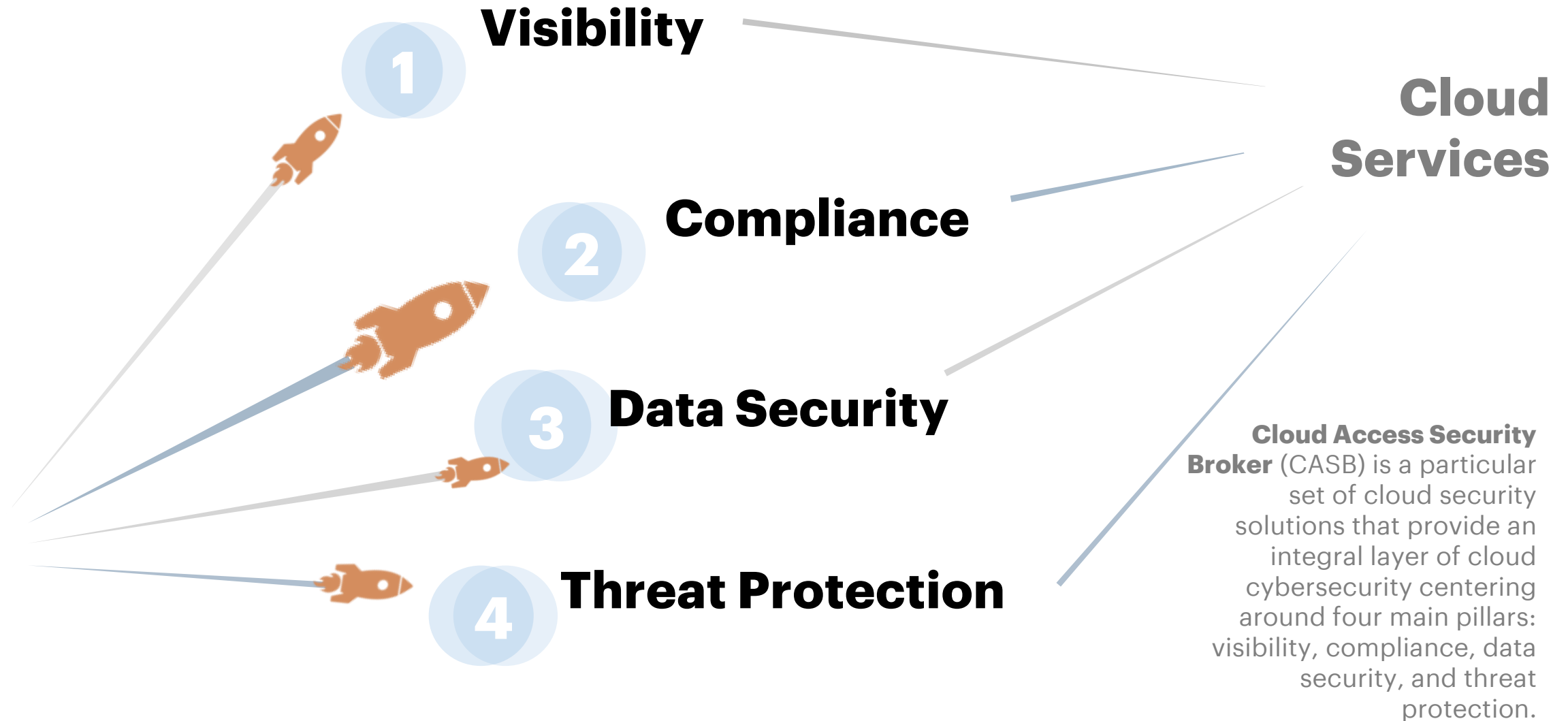
Simulations

ADVISE B

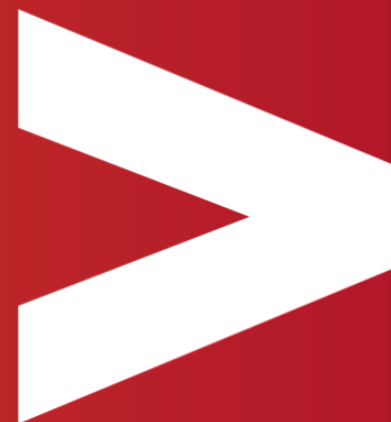
DEPLOY CASB



AS WE EXTEND TO THE CLOUD, CASBS CAN ADDRESS GAPS IN SECURITY ...



FINALLY



ALTHOUGH SECURITY COST IS STAGGERING, YET THE BAD GUYS ARE STILL AROUND THE CORNER

\$126 billion by 2020¹

Global cybersecurity market increase
— up from \$94 billion in 2016

23% to \$3.79m³

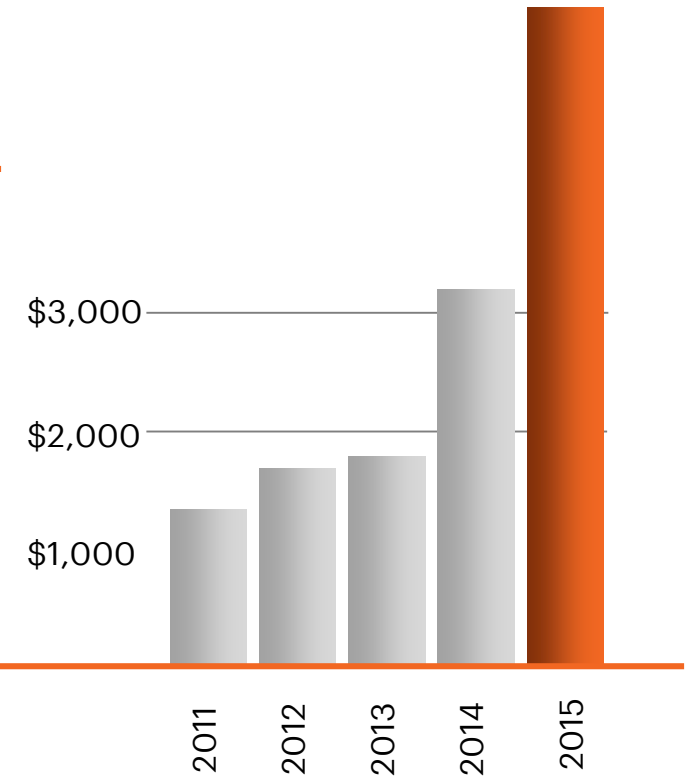
Rise of average total cost of
a single data breach

**Up to \$3 trillion
by 2020²**

Possible cost of cyberattacks

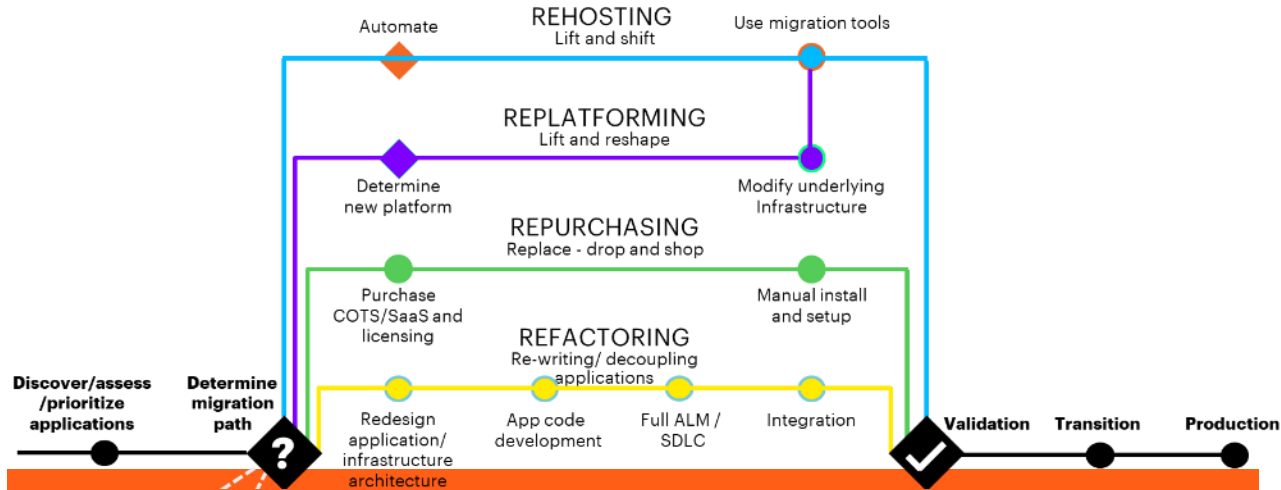
**235% in
5 years⁴**

Investments in
cybersecurity
startups

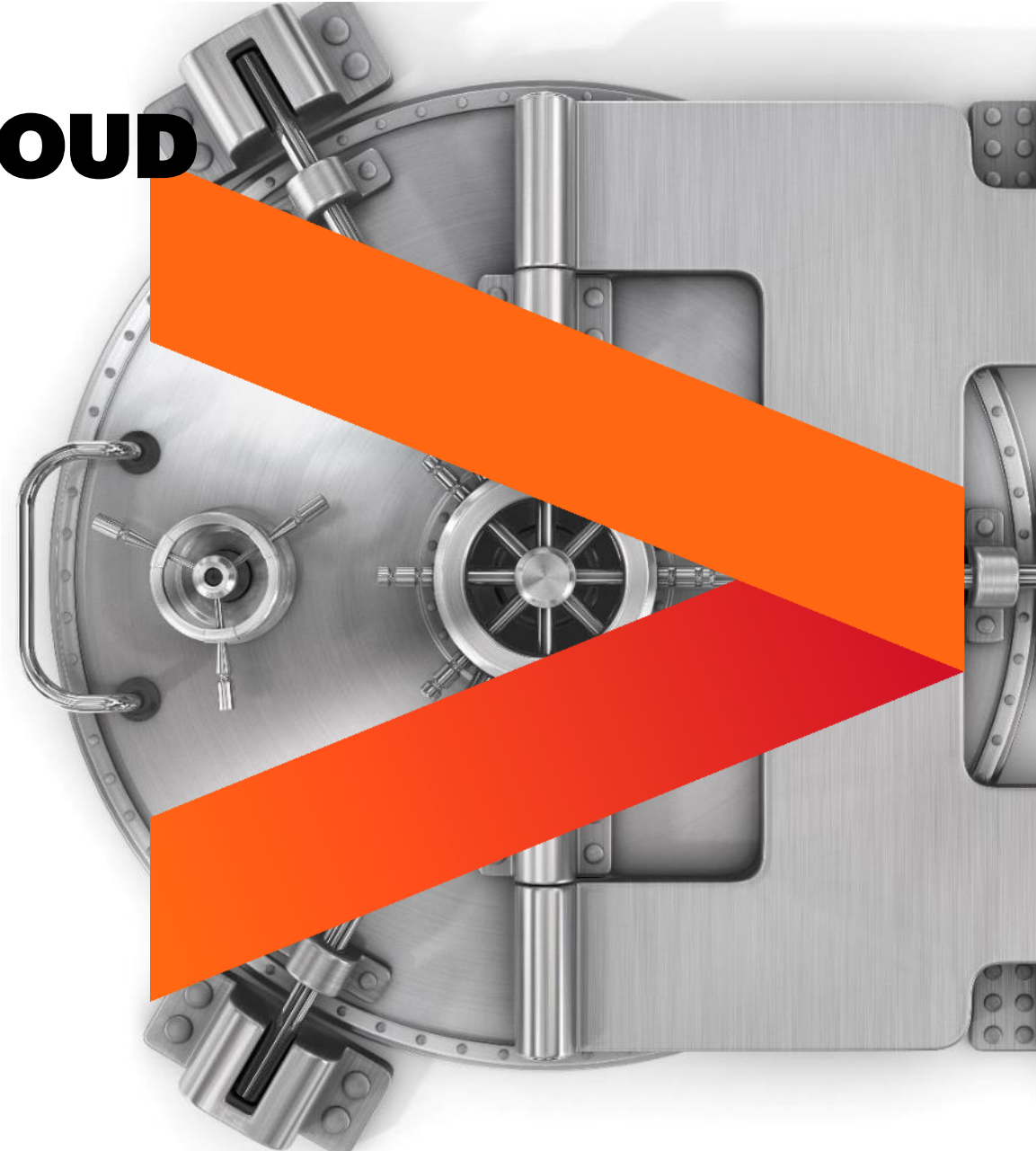


1. Gartner, Forecast: Information Security, Worldwide, 2014-2020, 3Q16 Update Nov. 2016.
2. WEF 2014 "Risk and Responsibility in a hyper-connected world", February 2014
3. ESG Threat Intelligence Research Project, Jon Oltsik, May 2015
4. CB Insights, Mega-Rounds To Cybersecurity Help Push Funding To New High In 2015. January 27, 2016

EVERY JOURNEY TO THE CLOUD IS DIFFERENT



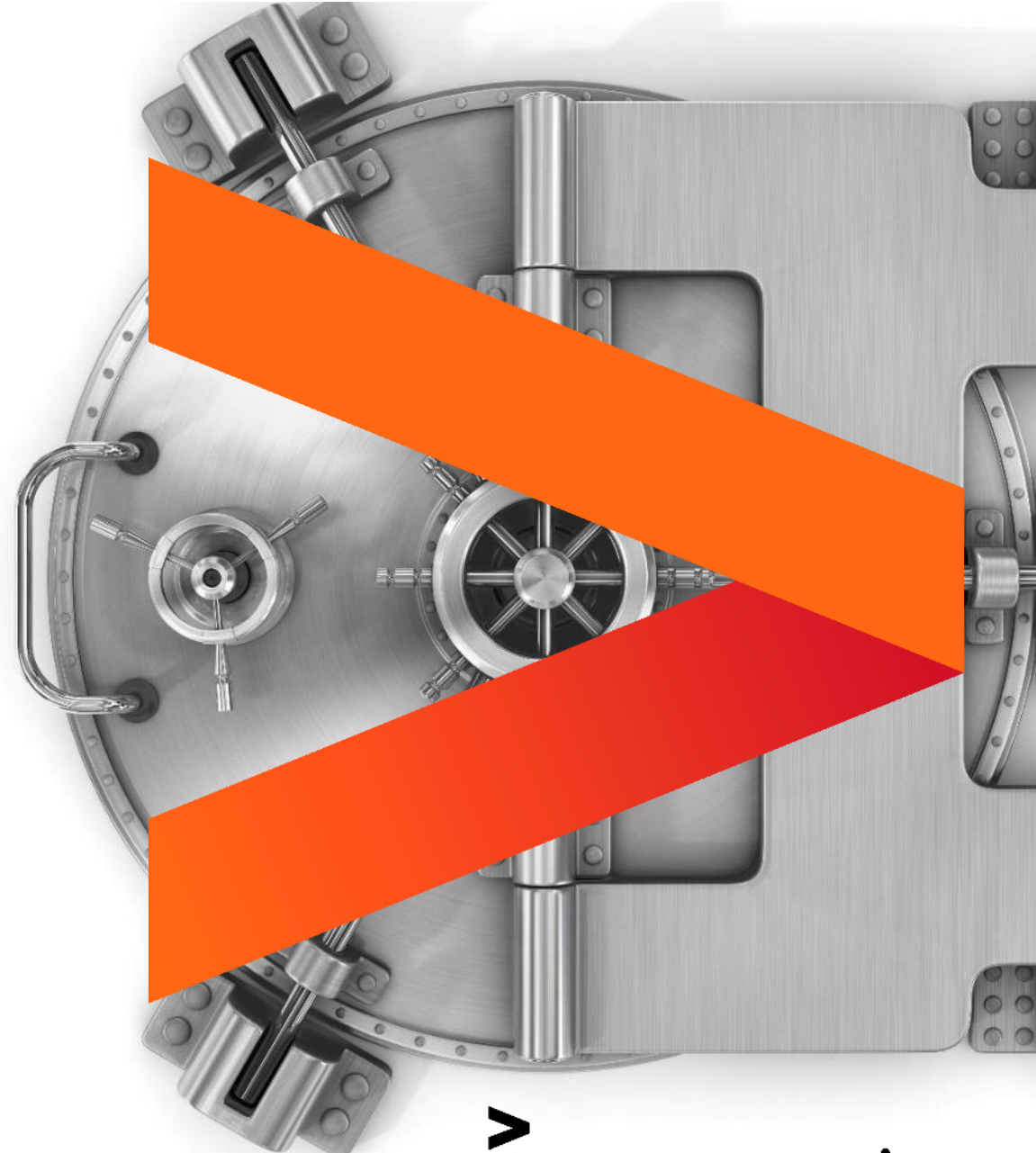
**BE STRATEGIC,
HOLISTIC
HAVE PRICING MODEL**



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