

DATA PROTECTION FOR PUBLIC SERVICE INDUSTRY IN THE ERA OF BIG DATA

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Dramatic increase in the Value of data

\$2.8 trillion

GDP increase from online data flows



Exponential Volume of data

521.000 PB

of data storage capacity to be shipped by 2020



Increasing Vulnerability of endpoints

50 billion

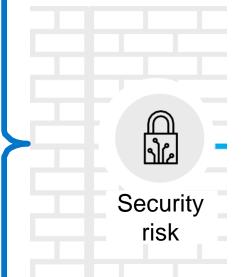
devices connected by 2020



Sheer number and Sophistication of attacks

65%

of companies surveyed experienced more advanced persistent threats and attacks



The increase in security breaches

Average number of security breaches in 2017

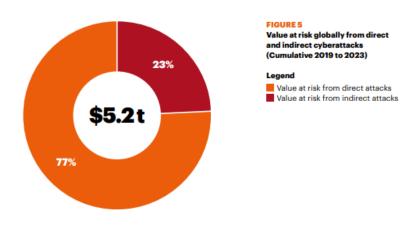


145

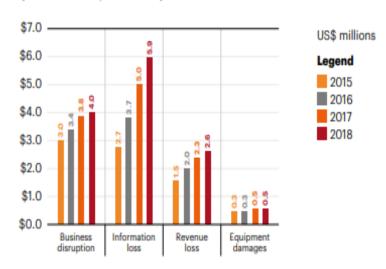
Average number of security breaches in 2018

+11%
Increase in the last year

=67%
Increase in the last 5 years



Average annual cost of cybercrime by consequence of the attack (2018 total = US\$13.0 million)



The increase in the annual cost of cybercrime

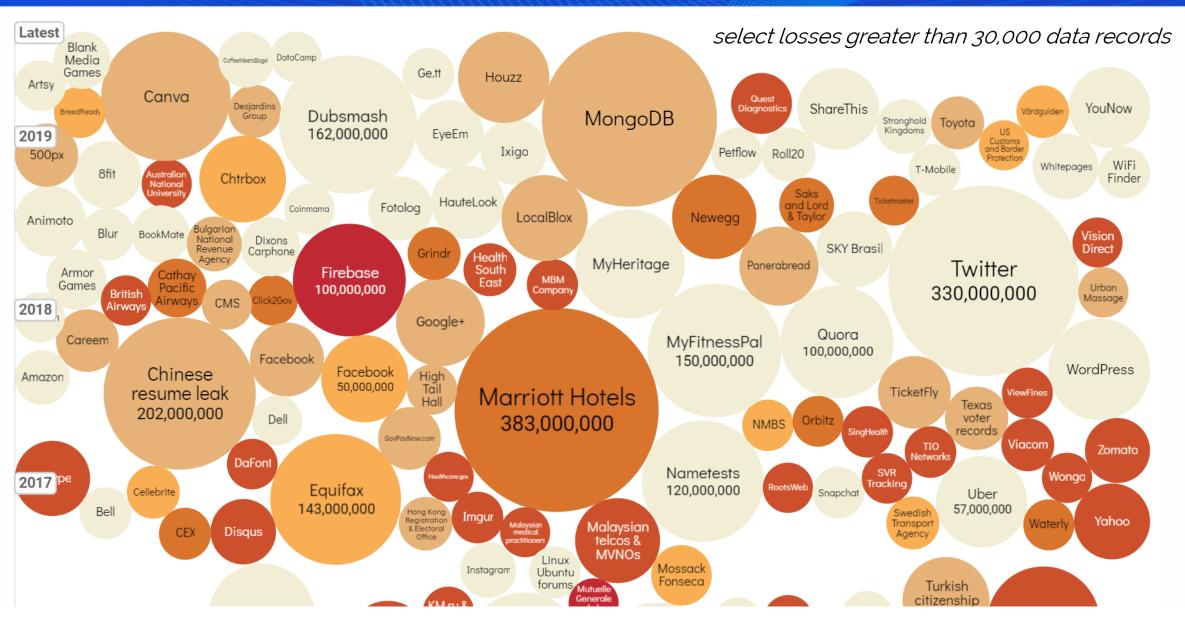




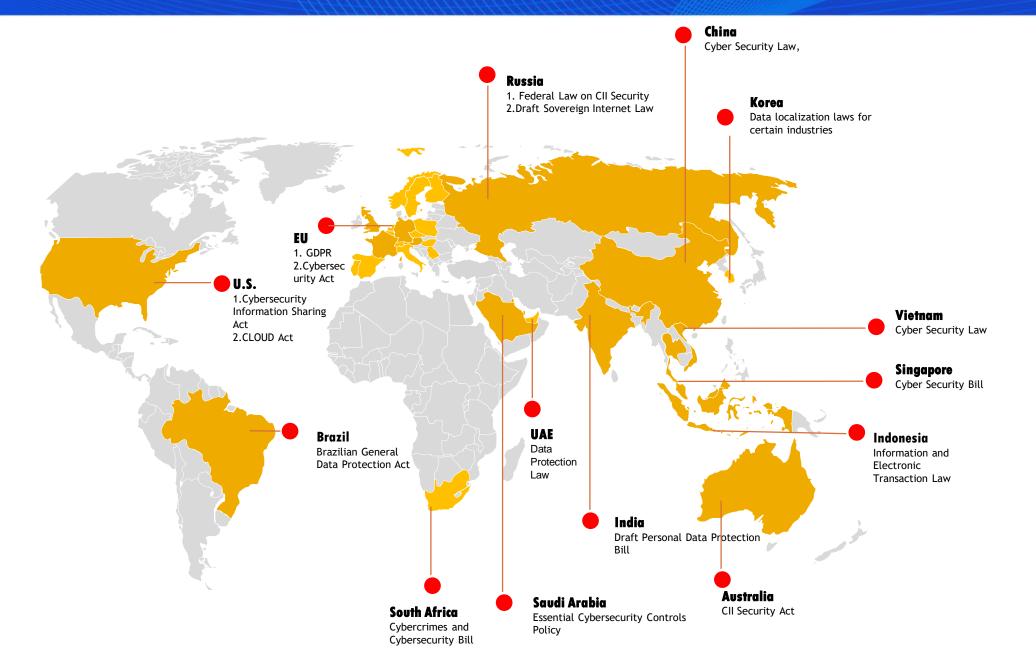
+12%
Increase in the last year

in 2018

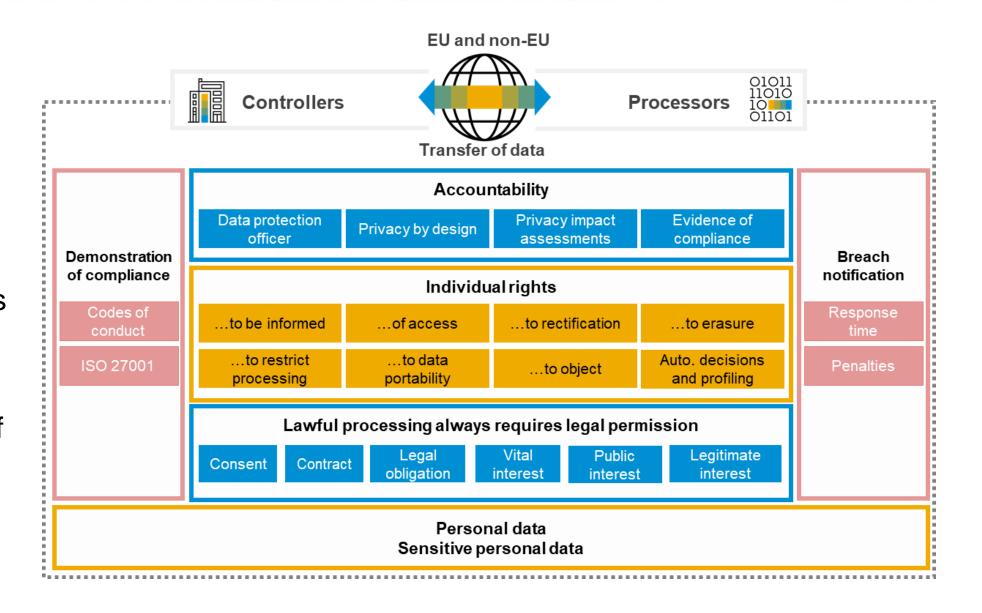
=72%
Increase in the last 5 years



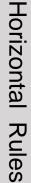
Secure Data Protection with Regulatory Compliance and Frameworks 数据保护合规与最佳实践



The General Data Protection Regulation (GDPR) gives **Individuals** Control and **Protection** of Personal Data



Cyber Security Law - The Umbrella Law of China Cyber Security Policy



Preserve National Security/Cyber Sovereignty

- Protect Societal Public Interest and Lawful Rights
- Foster Strong Local Industries

Cybersecurity Review

Cross-border
Data Flow

Cloud Computing Regulation

Data Protection/ Privacy

Standardization & Certification

Sectorial Rules

Civil Aviation Industry Implementation

Internet Vehicle Industry Implementation

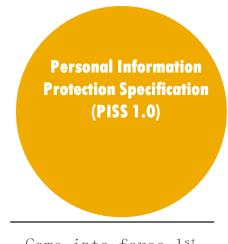
Banking Industry Implementation

Securities and Fund Industry Implementation

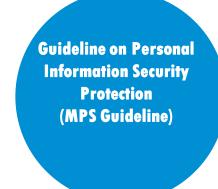
Insurance Industry Implementation

Other Pipelined Sectorial Implementation

PERSONAL INFORMATION PROTECTION



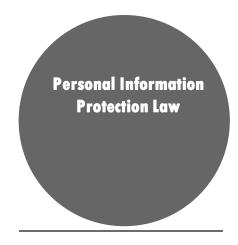
Came into force 1st May2018



Came into force 16th
April 2019



Draft released on 2nd Feb 2019



First draft to be released in 2020

Advocacy Guideline

Timeline

Ensure transparency and industry participation in creation and drafting of privacy and personal data protection measures for China

Best Practice in the Journey to Protect Data and Privacy

Increase trust with your customer

Empower user transparency & control to build trust

Trusted Relationships



Foundation for data protection and privacy

Ensure your systems meet data protection and privacy standards

Modernize Systems

Governance

Data management and operational governance

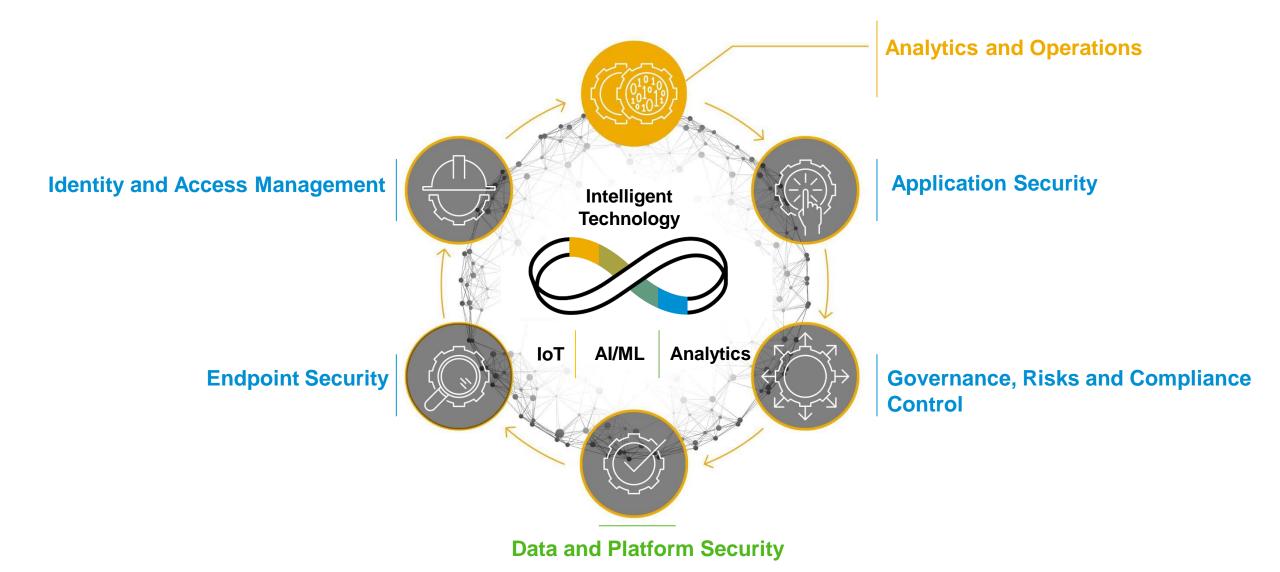
Protect the business, establish economies of scale mitigate compliance risk and build trust into the foundation of your operations

Continuous Assessment

Visibility on your data privacy landscape

Uncover any risk exposure and areas to improve people's experience in your current data protection and privacy systems, processes and governance



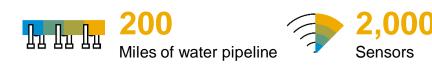




How Can IoT Help Turn a Famous Resort Town into a Smarter City?

"Without data protection, you cannot scale an IoT deployment into production. But with the security system in place that we and SAP developed, we can detect any intrusion and receive an alarm in real time."

Patrick Duverger, CIO, City of Antibes









How Is a Biopharma Company Keeping Data and Systems Safe for Staff, the Business, and Customers?

"We have a lot of users on our SAP systems, so maintaining security is a top priority. SAP provided us with detailed reports on how to reduce the number of users by giving required authorizations. We now have a solid security strategy in place to protect our users, our business, and our customers."

Nevenka Voutchkova-Kadurina, IT SAP Security and Authorizations Lead, UCB S.A.

55% Security setting improvement

70% manual effort reduced to verify security compliance



2019 BEIJING CYBER SECURITY CONFERENCE









Security incorporated into applications,

delivering ultimate protection for content and transactions



Transparency

End-to-end secure cloud operations, defense of customer data and business operations





Intelligent Infrastructure Protection



Perceptive Data Shield



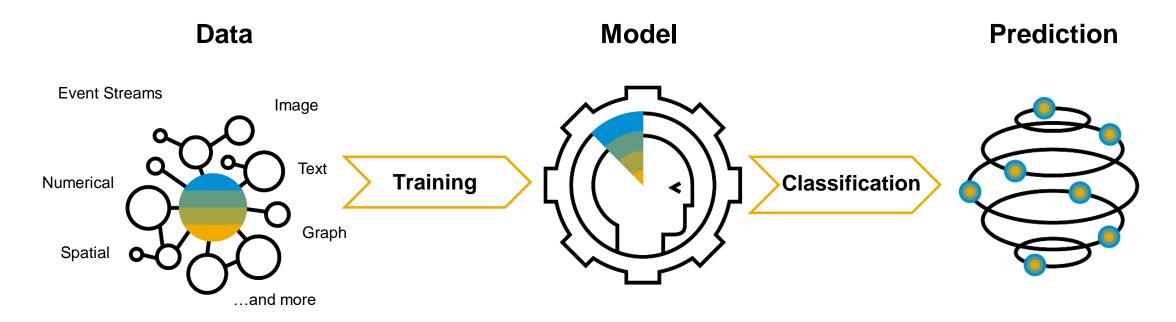
Security Shielded Ecosystem

Security-aware staff, end-to-end physical security of assets, and a comprehensive business continuity framework









Machine Learning in Prediction vs. Manipulation







GIBBON

Trust and Trusted Data is the Ultimate Shield

数字时代基于信任



We can't expect people to actively support the digital transformation if we cannot **TRUST** in the security of data and networked systems.



Make Security a Top-Tier Responsibility

- On Ownership of cyber and IT security
- O2 Responsibility throughout the digital supply chain
- 03 Security by default
- 04 User-centricity
- 05 Innovation and co-creation

- 06 Education
- O7 Certification for critical infrastructure and solutions
- 08 Transparency and response
- 09 Regulatory framework
- 10 Joint initiatives



AIRBUS

















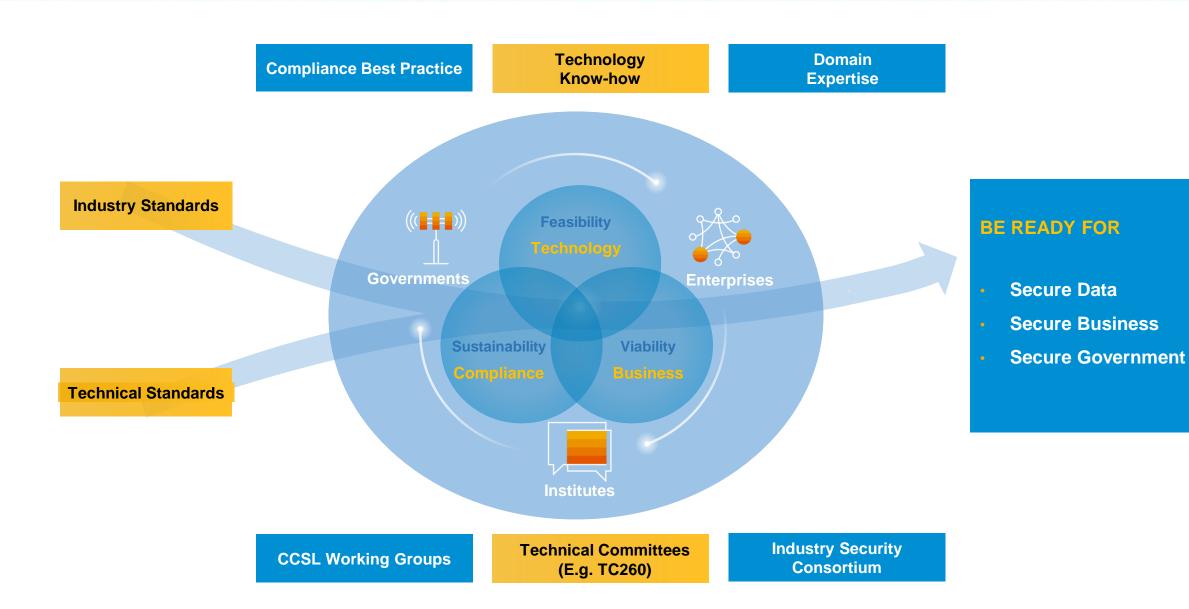


SIEMENS









SECURE
DIGITAL
TRANSFORMATION

保障安全的 数字化转型

INVEST IN REGULATORY COMPLIANCE AND DEVELOP BEST PRACTICE FRAMEWORKS

投入网络安全合规,探索最佳业务实践

APPLY TECHNOLOGY AND SECURITY SOLUTION ADVANCEMENT

运用科技与网络安全方案的最新发展

BUILD TRUSTED DIGITAL ECONOMY

建立可信任的数字经济



THANKS 2019北京网络安全大会 2019 BEIJING CYBER SECURITY CONFERENCE