Data-centric Enterprise Solution

Security | Governance | Productivity

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Fasoo Solutions

Right Idea. Right Time.

Global Market Trends

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$31B U.S. in 2016 and Still Breaches

FDIC Suffers Insider Breach
eSecurity Planet – April 13, 2016

Defense Employees Indicted for Stealing Trade Secrets
Hartford Courant – November 14, 2016

GlaxoSmithKline Scientists Indicted in IP Theft
NY Times – January 20, 2016

Breach Exposed Locations of Oil-industry Explosives
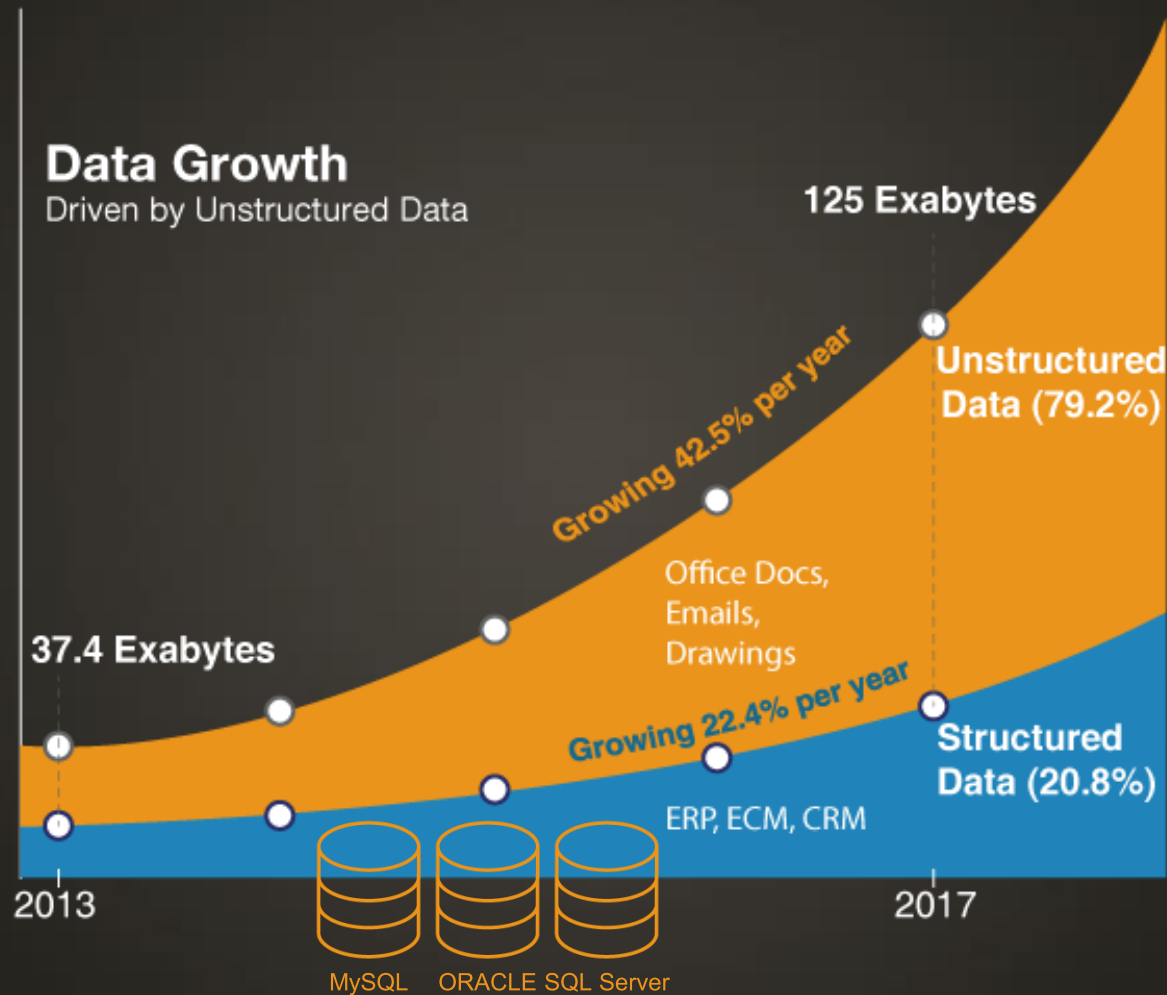The Daily Dot – December 1, 2016

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No Longer Perimeter | Data Without Borders

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Unstructured Data Challenge

XLSX

DWS

DOC

JPG

PDF

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Explosion of Unstructured Data

Data Growth
Driven by Unstructured Data

125 Exabytes

Growing 42.5% per year

Unstructured
Data (79.2%)

Office Docs,
Emails,
Drawings

37.4 Exabytes

Growing 22.4% per year

Structured
Data (20.8%)

ERP, ECM, CRM

2013

MySQL   ORACLE SQL Server

2017

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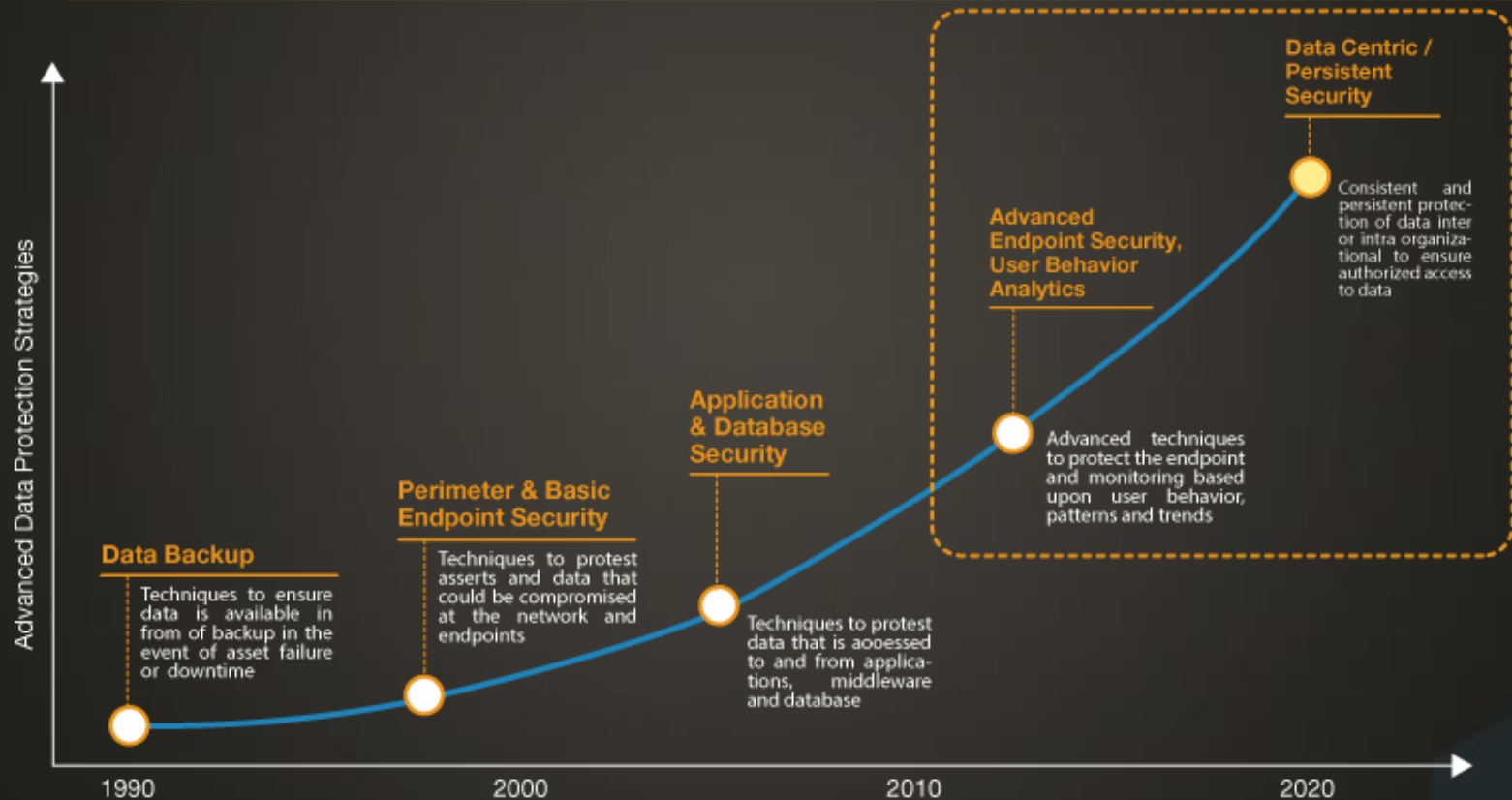
Data Protection Landscape | Evolution of Data Protection

Traditional security controls provide the basic security hygiene required to becoming operational, however, a data centric security needs to be adopted to provide end-to-end protection of sensitive data.
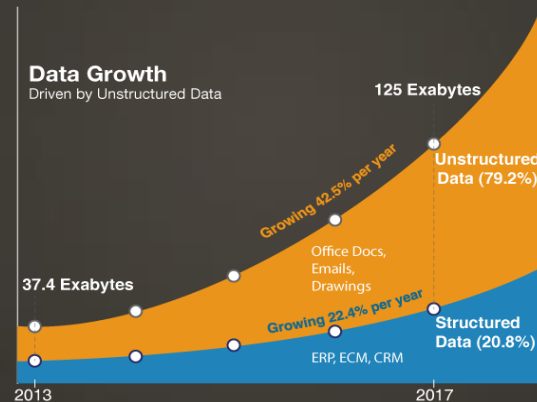
Advanced Data Protection Strategies

Data Centric / Persistent Security
Consistent and persistent protection of data inter or intra organizational to ensure authorized access to data

Advanced Endpoint Security, User Behavior Analytics
Advanced techniques to protect the endpoint and monitoring based upon user behavior, patterns and trends

Application & Database Security
Techniques to protest data that is aooessed to and from applications, middleware and database

Perimeter & Basic Endpoint Security
Techniques to protest asserts and data that could be compromised at the network and endpoints

Data Backup
Techniques to ensure data is available in from of backup in the event of asset failure or downtime

1990   2000   2010   2020

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Gartner

Gartner.

“ **Data centric protection is your solution as other defenses fail to stop leaks** ”

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Fasoo Solution Coverage

Without Borders
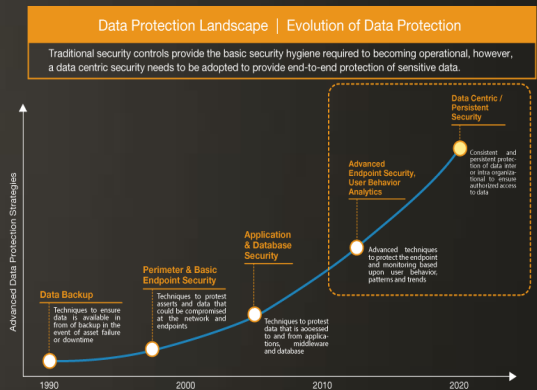
Unstructured

Persistent

Data Growth — Driven by Unstructured Data

Data Protection Landscape | Evolution of Data Protection

Leadership across key global market demands

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Corporate Risk Management

Business Driven Security

Right Time.

Global Market Trends

Government Regulations

New York Financial Cyber Regs

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Not Just IT Anymore - Risk Management Issue

Recent high profile attacks on big name brands have triggered law suits naming individual Directors. Shareholders, customers and vendors are pursuing legal recourse against executives for breaching the fiduciary duty to manage cyber risk.

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The Board of Directors

Audit committees are demanding more information

– and spending more time on cyber security

16%
Placed cyber security as one of their top 3 risks

40%
Say audit committee should spend more time on cyber

41%
Say they need to improve the quality of their information

50%
Have assigned oversight to the board or audit committee

Oversight of cyber security has now moved

to the board or audit committee

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Business Driven Security

Link cybersecurity strategy to

current and future business priorities.

Protect the data and technology

assets that matter most.

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Business Driven Security

High Value Use Cases

Target use cases that satisfy cross-organization objectives

Smart Use of Technology

Pragmatic approach that matches features with requirements to enable the business process

Frictionless

Seamless to the user and within the context of their current workflow
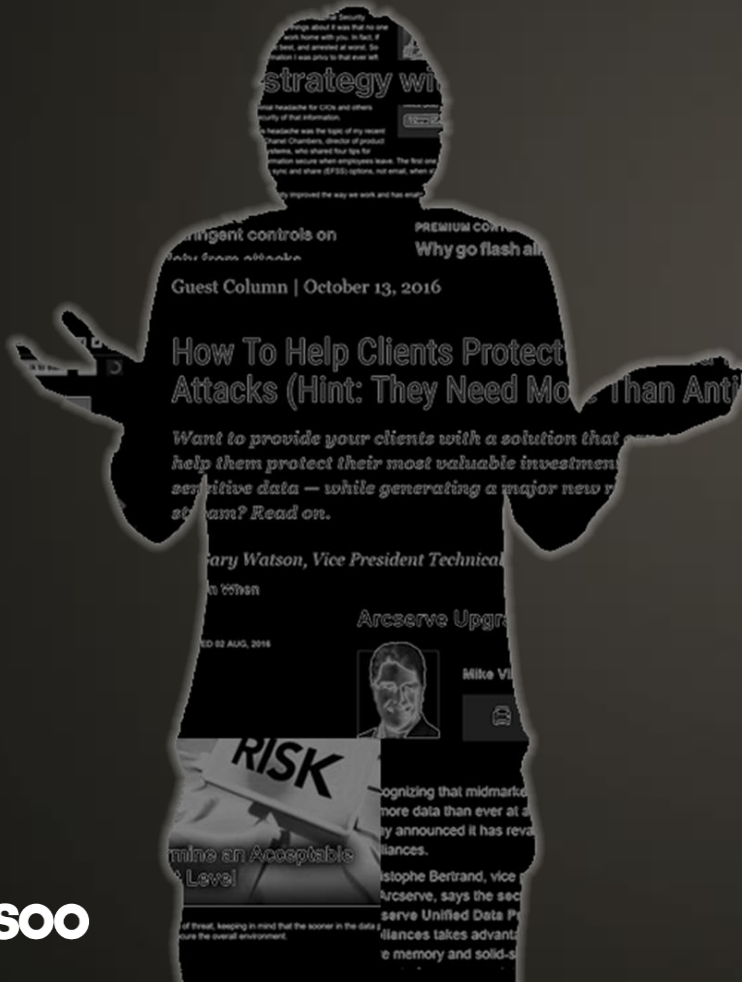
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Expanded Government Role

Public demands their governments be more actively involved in preventing and responding to cyber threats, major hacking events, fraud, and digital crimes, yet not infringe upon individual's privacy.

Result:

1. More regulations, to raise security standards
2. Better policing and collaboration
3. More laws for prosecution actions

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Regulations - and more

Sarbanes-Oxley

HIPAA

GDPR

New Demanding Requirement as of March 2017

"New York, the financial capital of the world, is leading the nation in taking decisive action to protect consumers and our financial system from serious economic harm that is often perpetrated by state sponsored organizations, global terrorist networks, and other criminal enterprises."

- Andrew Cuomo, Governor of New York

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Countdown to Compliance: NYDFS 23 NYCRR 500

Highlights from the Ponemon Survey

31% are prepared to comply (Q1 in survey)

53% need an additional 12 months (Q3b)

40% are able to detect an attack when it occurs (Q11)

44% cannot contain an attack (Q12)

68% do not know where high valued assets are located (Q13)

70% believe lack of experience biggest challenge to make cyber security program effective(Q13)

65% believe the regulation will enhance cyber security (Q7)

Ponemon INSTITUTE

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Countdown to Compliance: NYDFS 23 NYCRR 500

Section	Description	
500.02	Cybersecurity Program	
500.03	Cybersecurity Policy	
500.04	Chief Information Security Officer	
500.05	Penetration Testing and Vulnerability Assessments	
500.06	Audit Trail	☑
500.07	Access Privileges	☑
500.08	Application Security	☑
500.09	Risk Assessment	
500.10	Cybersecurity Personnel and Intelligence	
500.11	Third Party Service Provider Security Policy	
500.13	Limitations on Data Retention	☑
500.14	Training and Monitoring	
500.15	Encryption of Nonpublic Information	☑
500.16	Incident Response Plan	
500.17	Notices to Superintendent	

Policy   (8)

Assessment   (2)

IT technology   (5)

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