box

Designing Storage Architectures

Harnessing the power and scale of cloud and AI

September 18, 2017

The Library of Congress

The nature, scale and complexity of content is changing fast

Volume and Scale
- Growing exponentially
- Increasing expectation immediate access, integration and collaboration by stakeholders
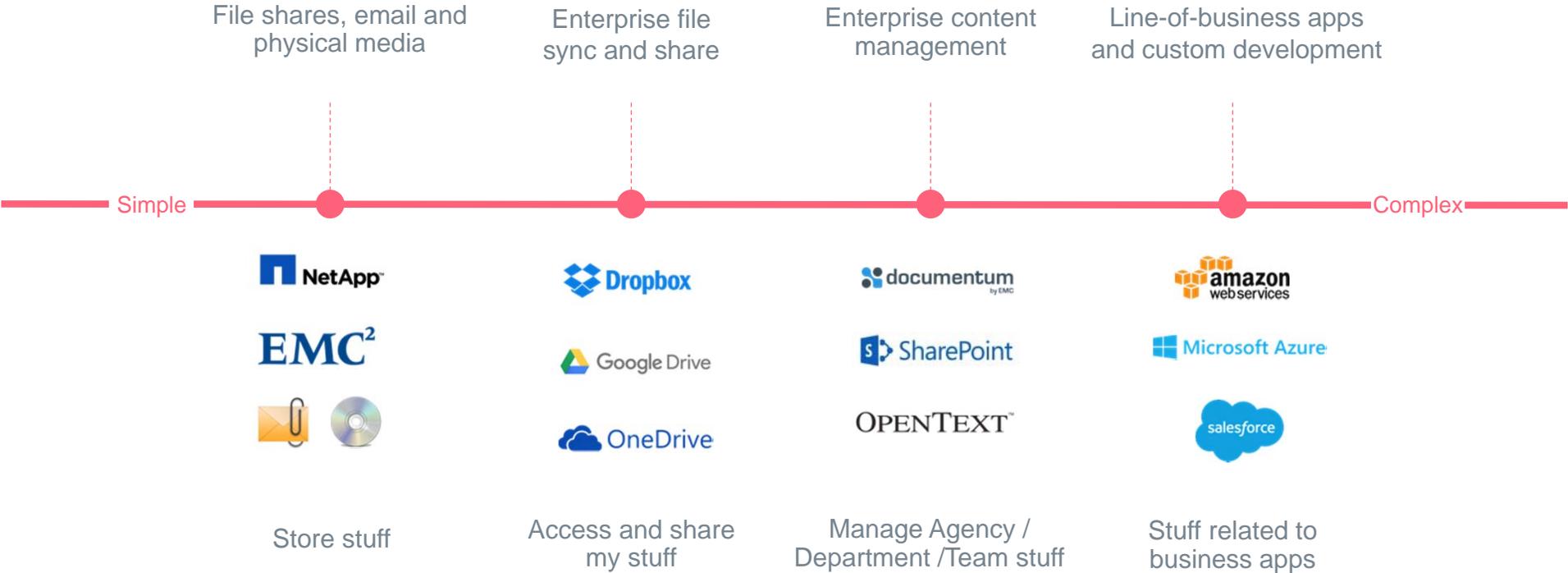
Nature
- Multi-layered, real time, unstructured
- Audio, Video, Social feeds, 3D models, etc.
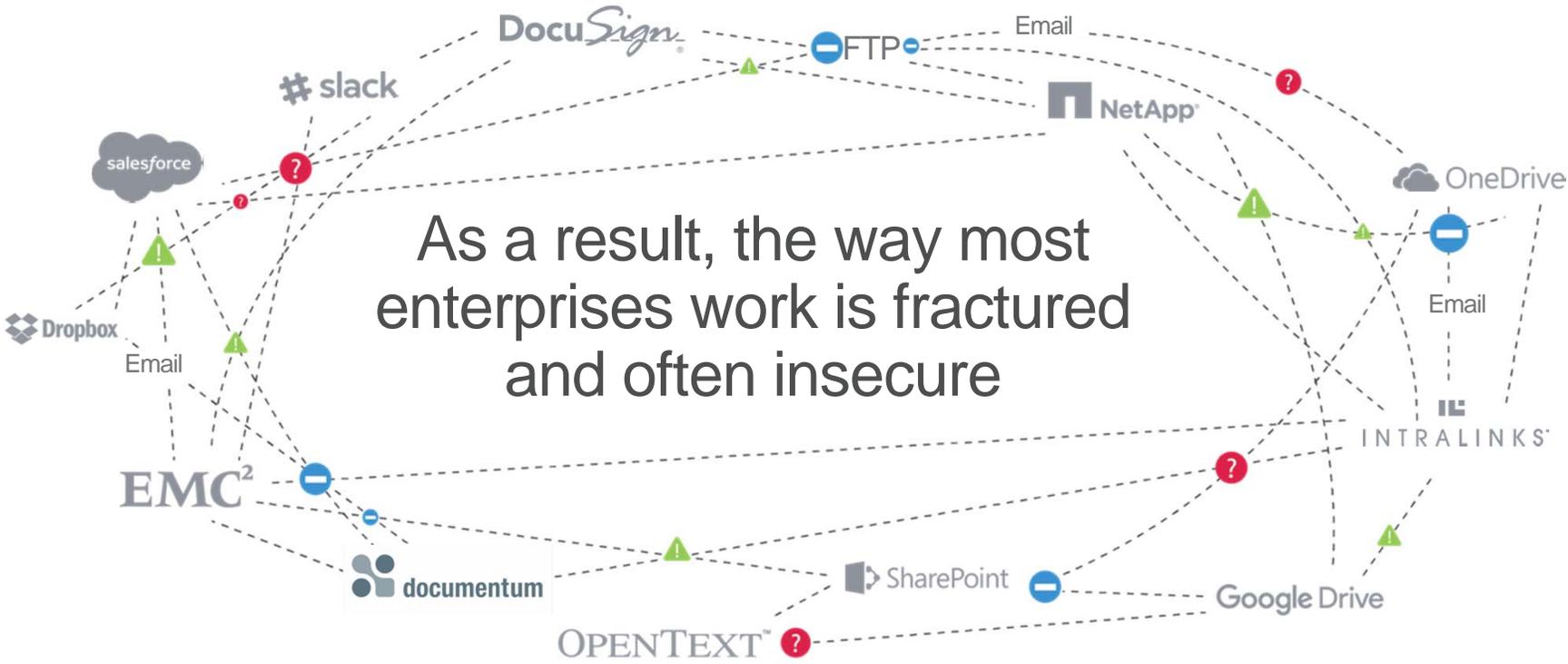- Increasing cyber-security and compliance challenges

Stakeholder expectations
- Access from anywhere, any device
- Integrated into org specific business processes
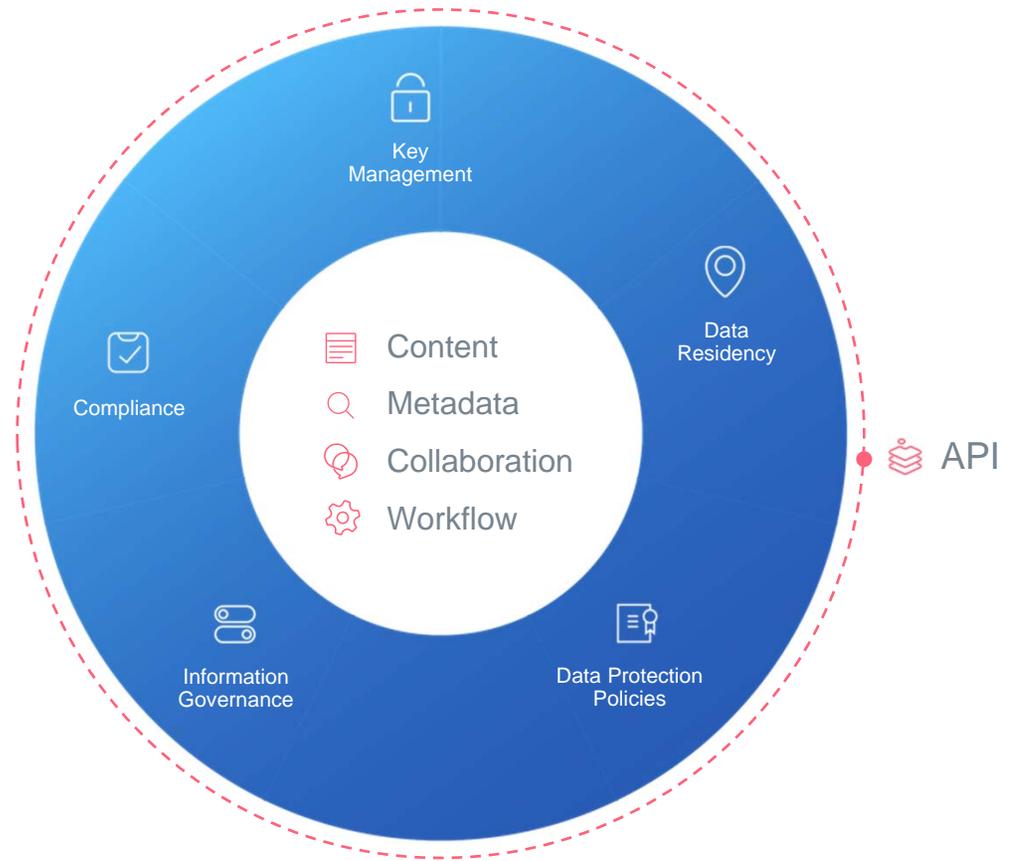- Collaborate across organizational boundaries

Content challenges have been solved in a fragmented way

File shares, email and physical media	Enterprise file sync and share	Enterprise content management	Line-of-business apps and custom development

Simple ———————●———————●———————●———————●——————— Complex

NetApp	Dropbox	documentum by EMC	amazon web services
EMC²	Google Drive	SharePoint	Microsoft Azure
✉ 💿	OneDrive	OPENTEXT	salesforce

Store stuff	Access and share my stuff	Manage Agency / Department /Team stuff	Stuff related to business apps

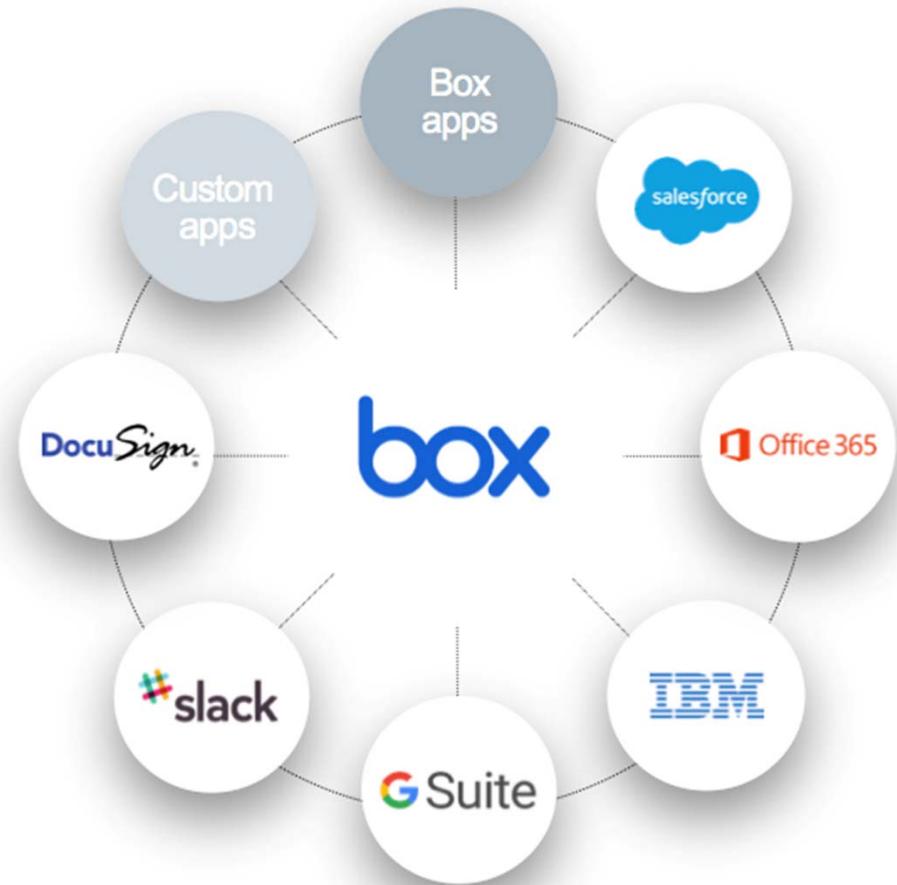As a result, the way most enterprises work is fractured and often insecure

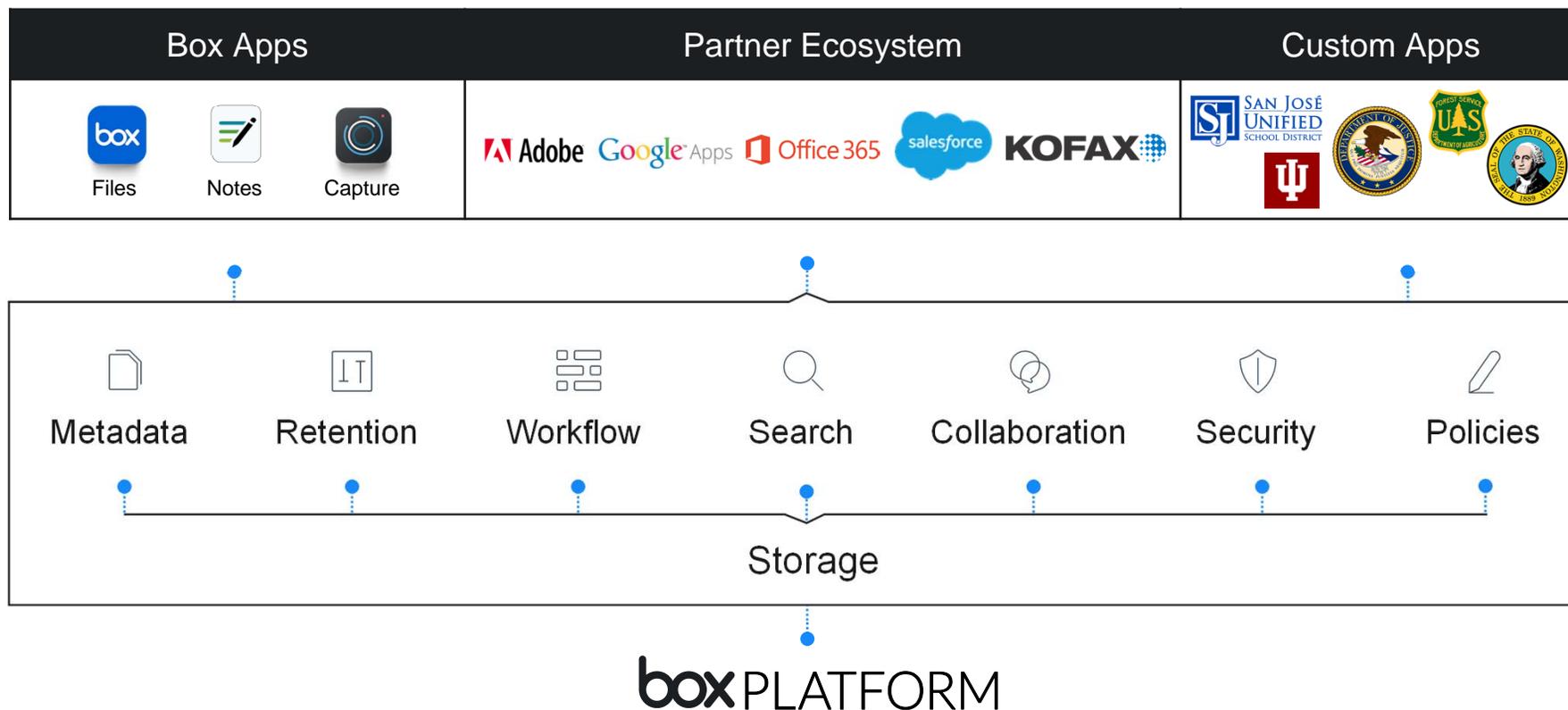# One platform that works for all your content

Connected to all your applications

- Over 1,000 integrations into third-party applications

- Adds security into every content application, automatically

- SDKs and UI Kits to extend Box into your custom apps

One Cloud Content Platform for the enterprise

The Recentralized Storage/Content Architecture

✓ **Leverage Cloud Scale**

Unlimited Storage and scalability

Automated backups/DR/Patching

10x cost efficiency

Always available

✓ **Increased Compliance**

Real time e-Discovery, Retention

Persistent encryption and IRM/IdM

Auto-versioning, AV, Quarantine

Transaction level auditing

✓ **Unlock new business value**

Artificial intelligence and ML

Power new biz. processes

Digital stakeholder engagement

Open API based extensions

Why Artificial Intelligence/ML is the future

✓ **Make Dumb content smart**

Image Recognition

Video Transcription

Identify risks

Trigger events/workflows

✓ **Scale human capabilities**

Auto-classify and prioritize cases

Integrate with Natural Language

Real time intelligent search

AI/ML based content discovery

✓ **Research and Risk Management**

Auto-set access rights

Identify anomalies/outliers

Auto-classify for retention

Extract relevant metadata

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The Cloud Content Management Company