

# Rethinking File Security Then, Now & Future



## Presenters:



**Sharon Teo**  
CEO



**Ting Teck Wei**  
Product Manager

## Moderator:



**Gunes Altungunes**  
Marketing Manager



# About Us

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- Established in 2000
- Headquartered in Singapore
- Provides solutions to Government and Enterprises





# Agenda



## Evolution of File Security

**Sharon Teo**  
CEO



## File Security in EasiShare V10

**Ting Teck Wei**  
Product Manager

# Evolution of File Security



**Sharon Teo**  
CEO



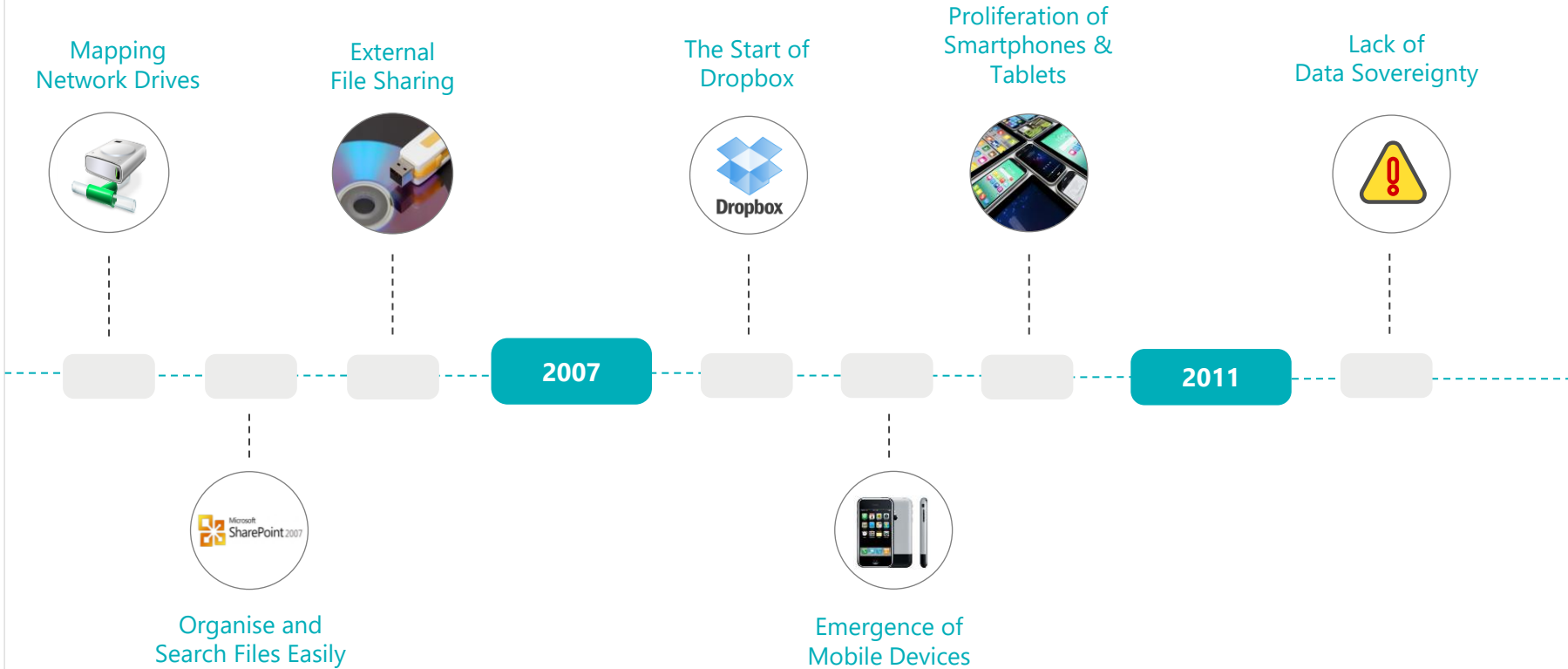
## Pop Question

What are the common and risky behaviours seen in your organization?



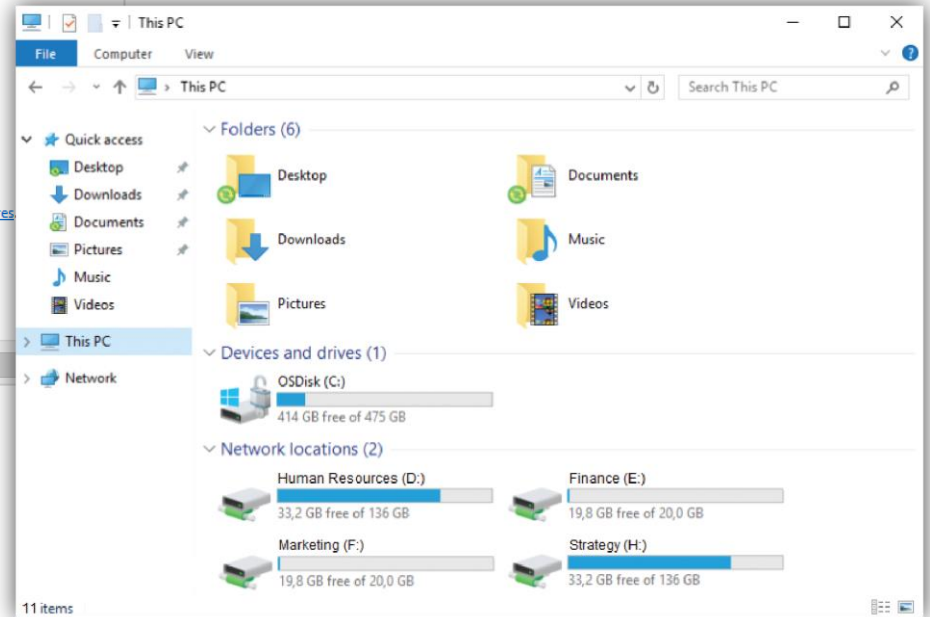
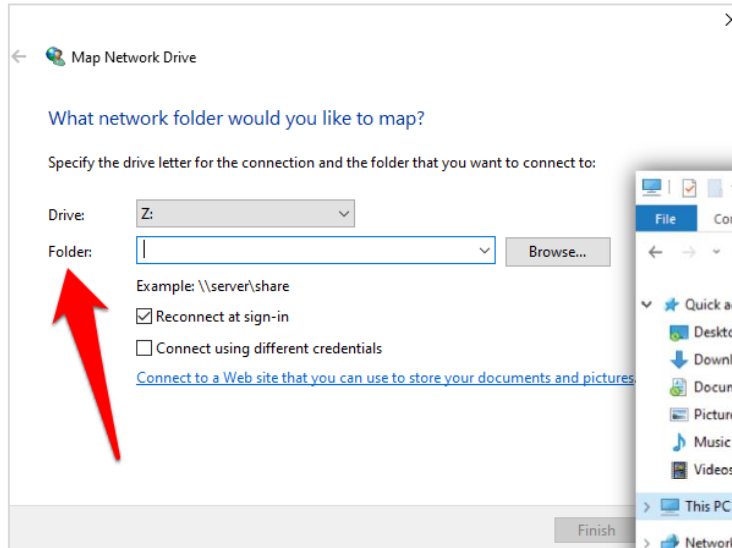


# Going back in time..





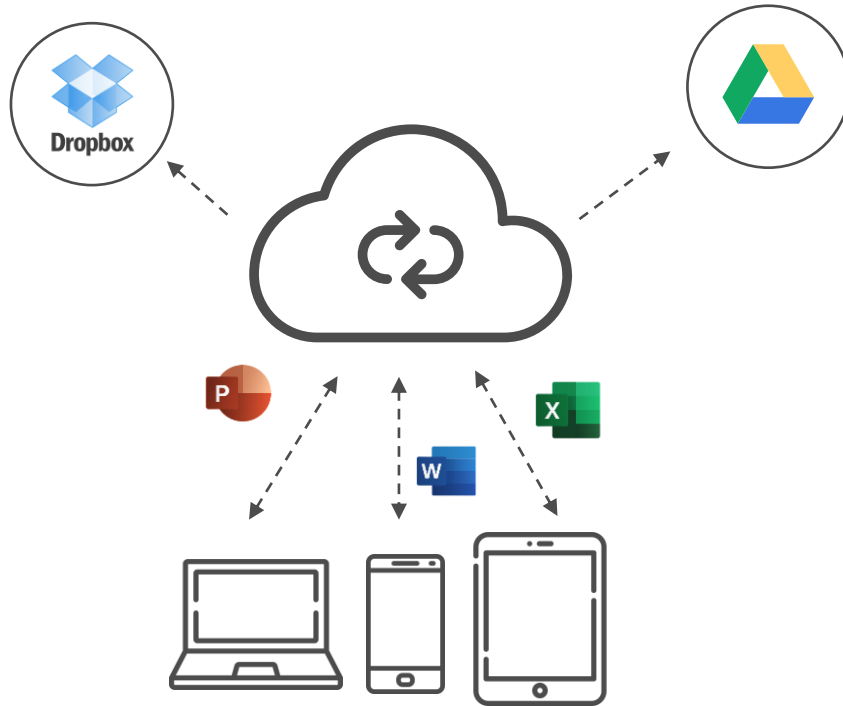
# Mapped Drives





# Sync & Share

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## Consumerization of IT?

BYOD

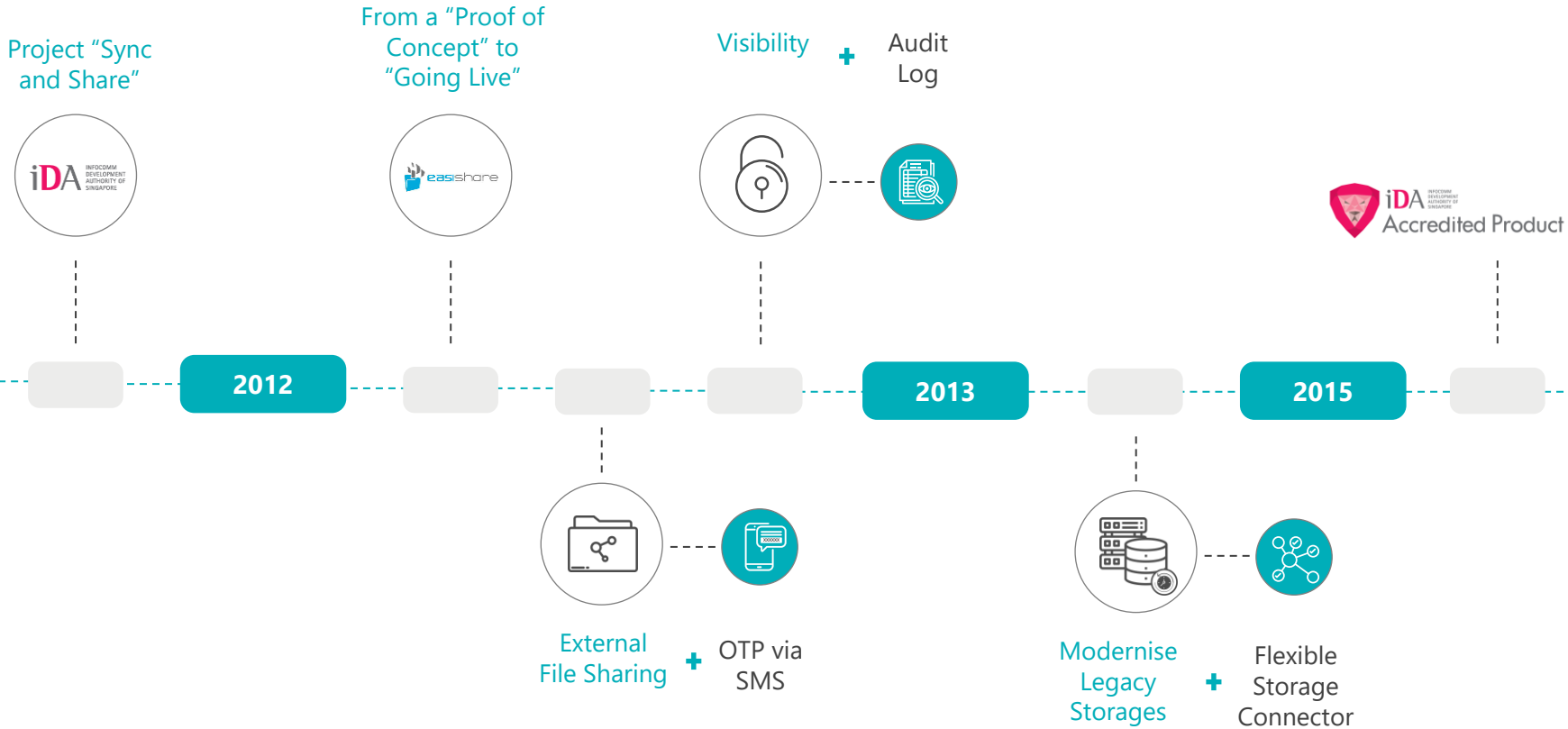
Cloud Sync

Mobility





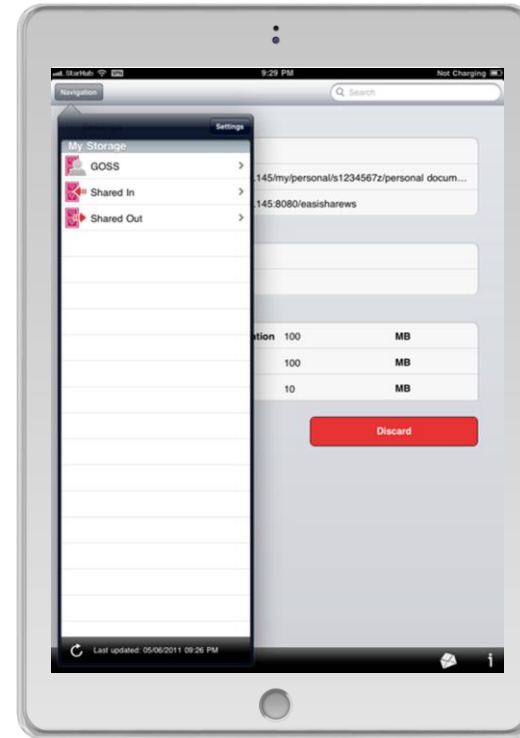
# Birth of EasiShare





# Proof of Concept

Private Government  
Storage for Sync & Share



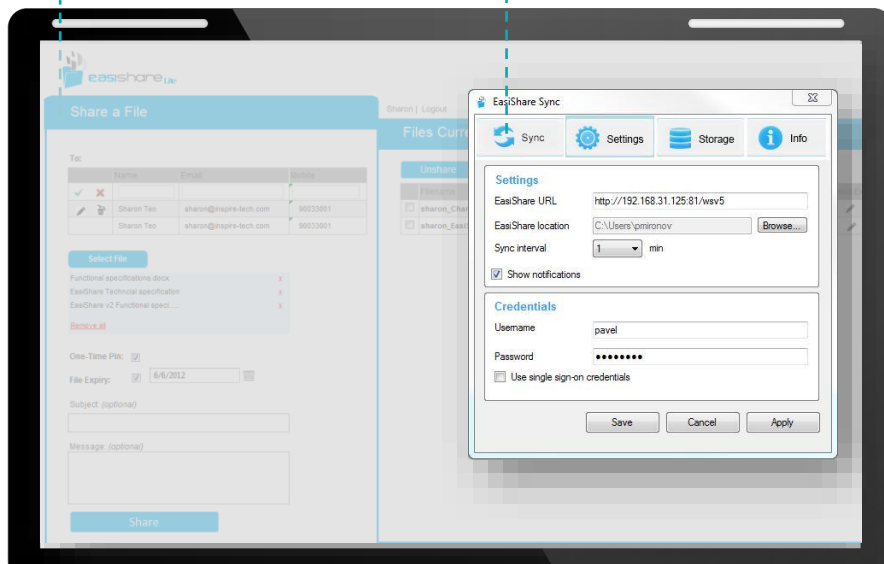


# EasiShare – 1<sup>st</sup> version

AES256-bit Encryption



Share Files on Web



Sync & Back up Files



# Secure Sharing with OTP

The image shows a laptop screen with a sharing interface. The interface includes a recipient list, a message field, and various settings. Two annotations with dashed blue arrows point to specific features:

- Link Expiry:** Points to the 'Link Expiry' toggle, which is currently turned 'ON' and shows an expiration date of '16/9/2015 PM 11:59'.
- SMS OTP:** Points to the 'OTP' toggle, which is currently turned 'OFF'.

The interface also includes a 'Notify me of all downloads' toggle (OFF), a 'Cancel' button, and a 'Share' button.



# Comprehensive File Tracking with Audit Log

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**IP Addresses**

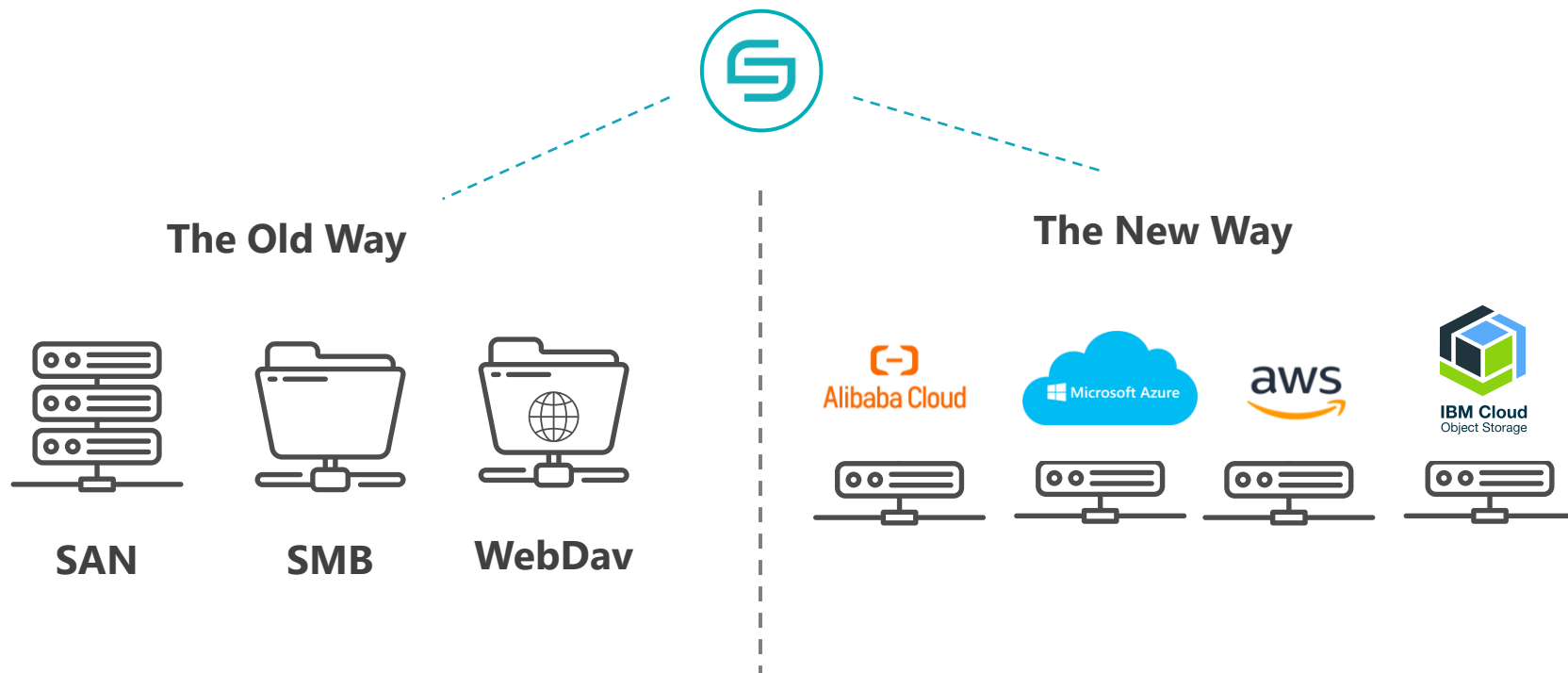
Date	Username	Status	Operation	Filename	From IP	Device	Serial
9/1/2014 9:07:17 AM	es@mm2@demo.easish...	F	Login	azure://demo2.azure/	203.116.207.142	Desktop	DFESBF00020...
9/1/2014 9:07:17 AM	es@mm2@demo.easish...	F	Login	azure://demo2.azure/	203.116.207.142	Desktop	DFESBF00020...
9/1/2014 9:07:16 AM	es@mm2@demo.easish...	F	Login	63://easisharedemo/...	203.116.207.142	Desktop	DFESBF00020...
9/1/2014 9:07:16 AM	es@mm2@demo.easish...	F	Login	63://easisharedemo/...	203.116.207.142	Desktop	DFESBF00020...
9/1/2014 9:07:15 AM	es@mm2@demo.easish...	A	Login		203.116.207.142	Desktop	DFESBF00020...
9/1/2014 9:07:12 AM	es@mm2@demo.easish...	F	Login	63://easisharedemo/...	203.116.207.142	Desktop	DFESBF00020...
9/1/2014 9:07:12 AM	es@mm2@demo.easish...	F	Login	63://easisharedemo/...	203.116.207.142	Desktop	DFESBF00020...
9/1/2014 9:07:12 AM	es@mm2@demo.easish...	F	Login	63://easisharedemo/...	203.116.207.142	Desktop	DFESBF00020...
9/1/2014 9:07:12 AM	es@mm2@demo.easish...	F	Login	63://easisharedemo/...	203.116.207.142	Desktop	DFESBF00020...
9/1/2014 9:07:08 AM	es@mm2@demo.easish...	F	Login	azure://demo2.azure/	203.116.207.142	Desktop	DFESBF00020...

**All User Activities**



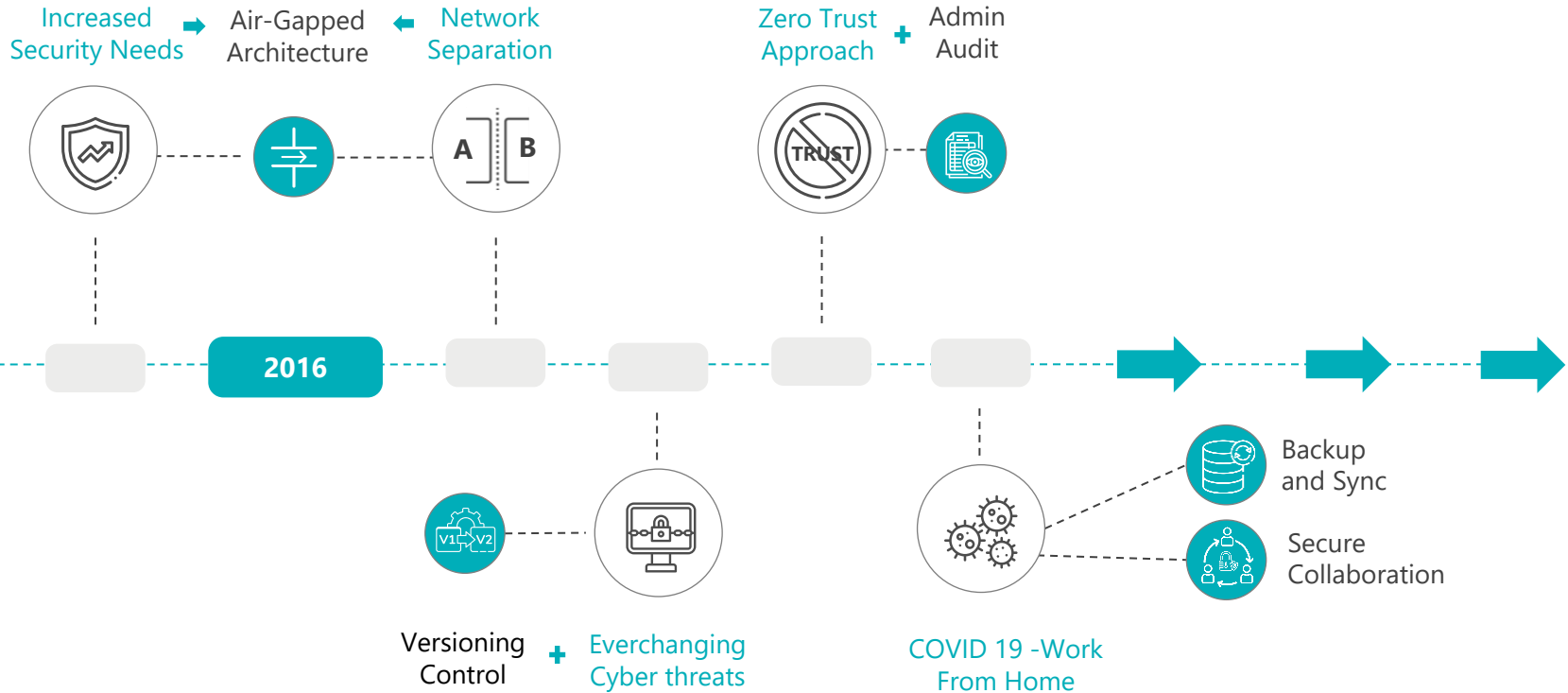
# Platform Agnostic with Flexible Connectors

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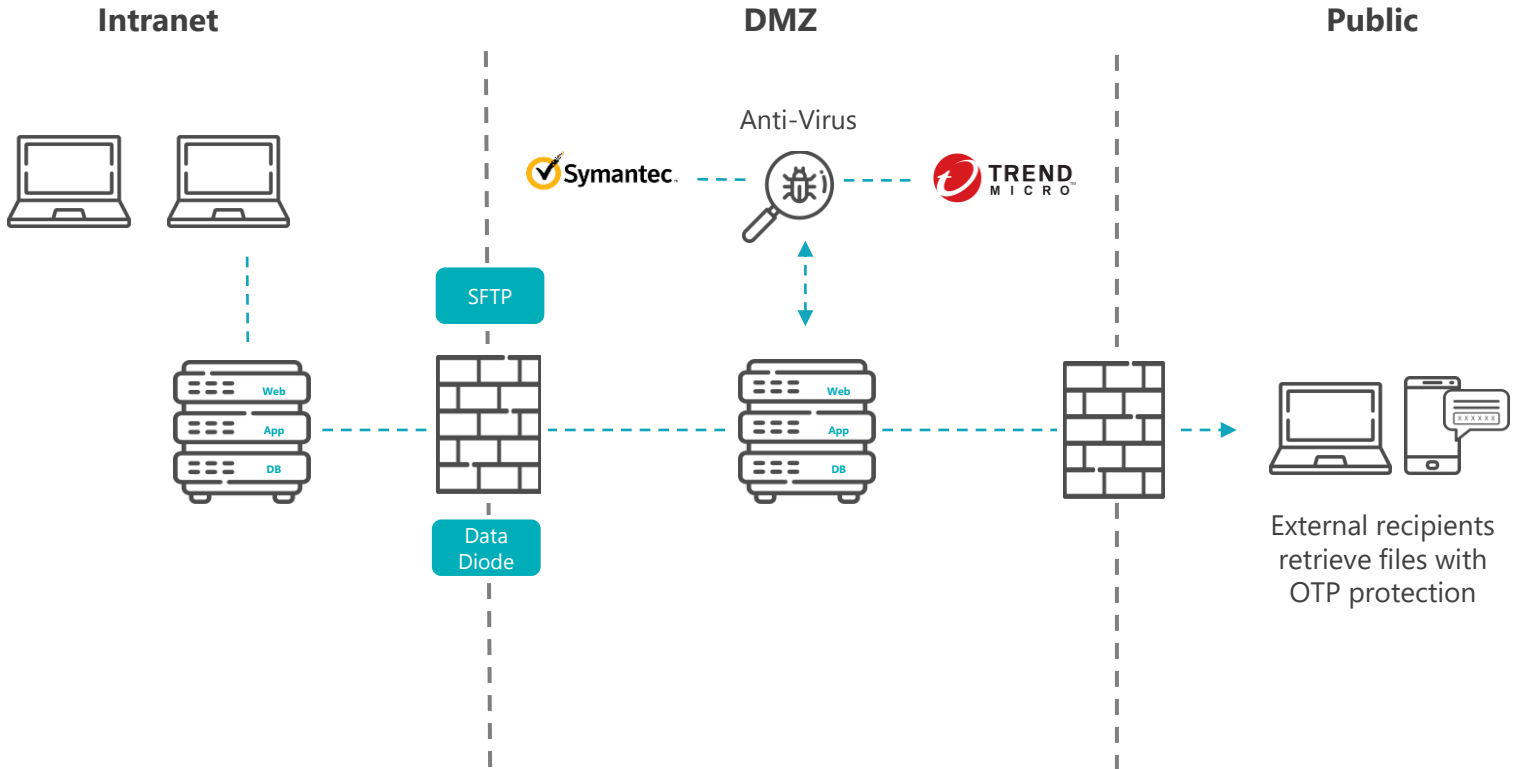


# Security Progress





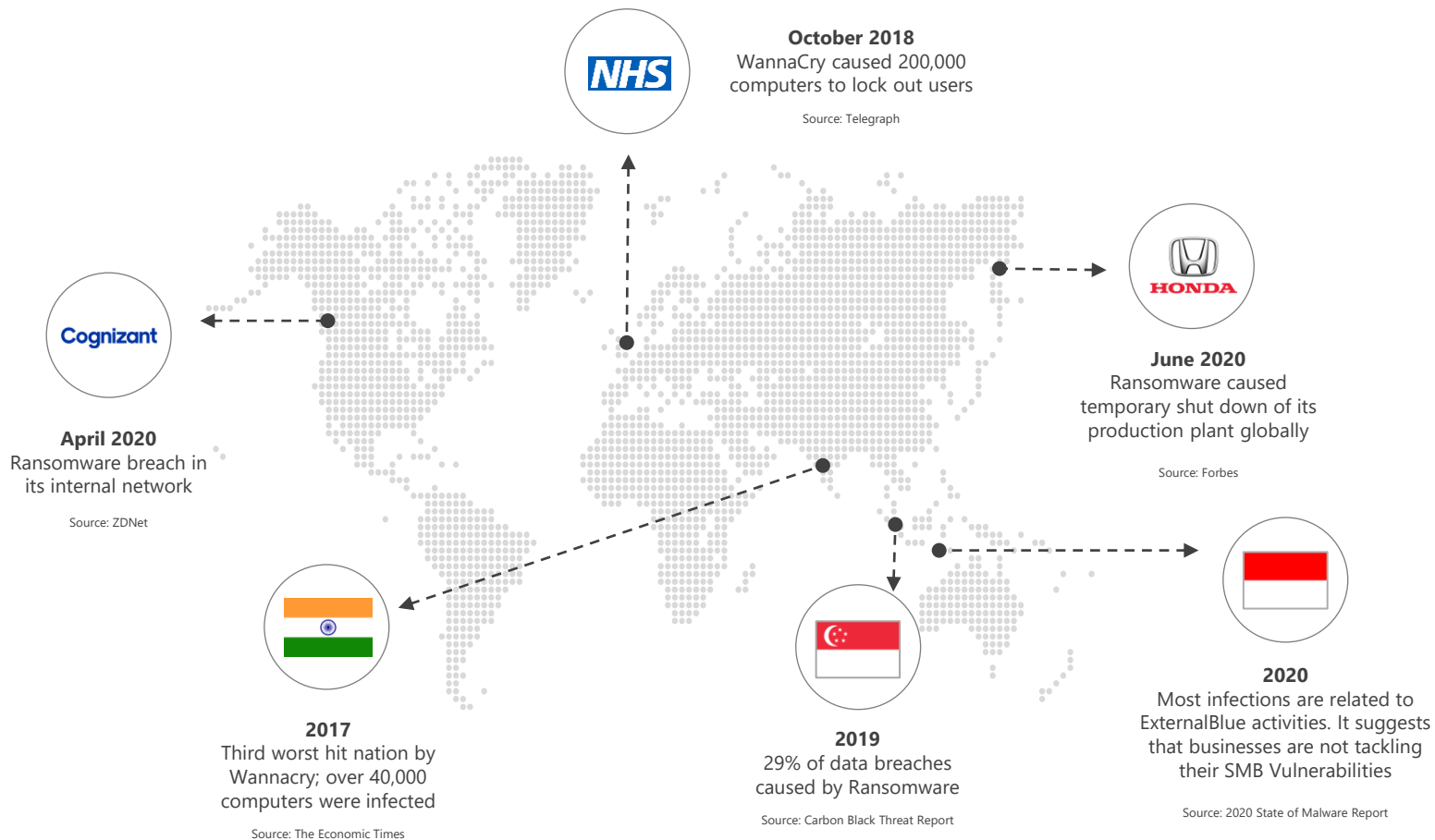
# Air-Gapped Architecture







# Everchanging Cyber Threats

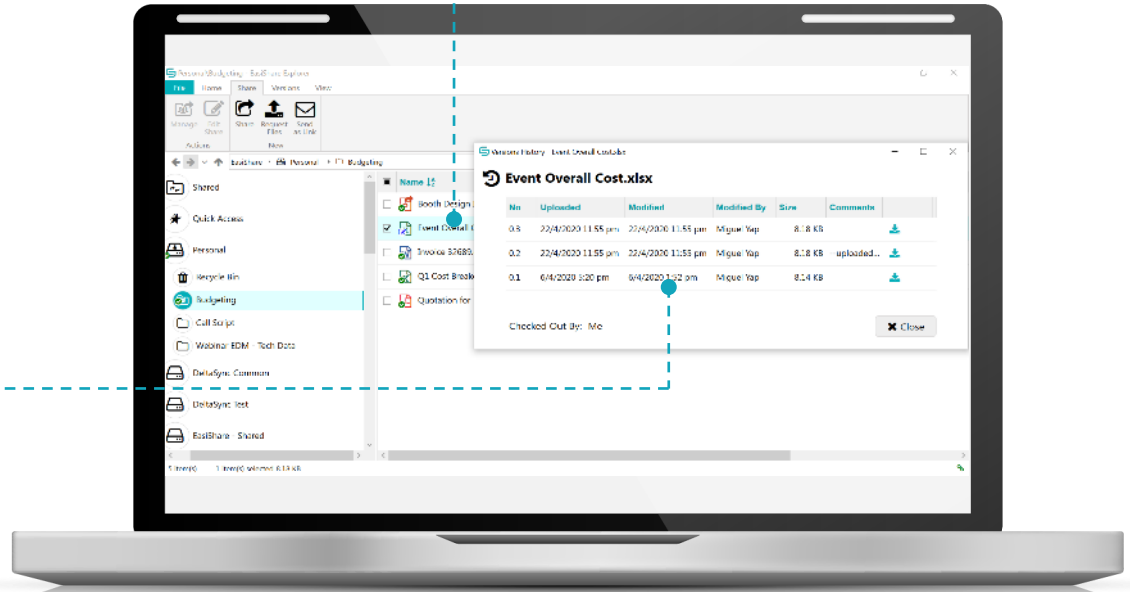




# SMB Replacement with Version Control

Check-In/Check-Out

Versioning



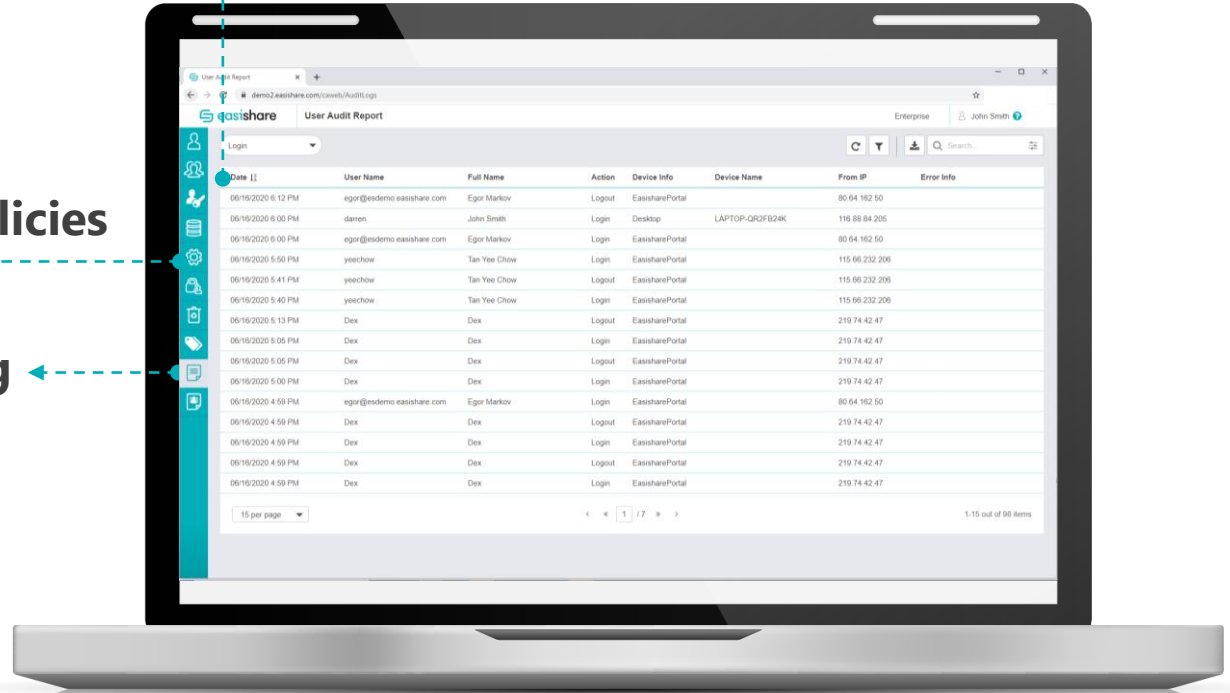


# User Control & Audit

Segregate User Roles

Control Security Policies  
Company/Group/User Level

User Audit Log

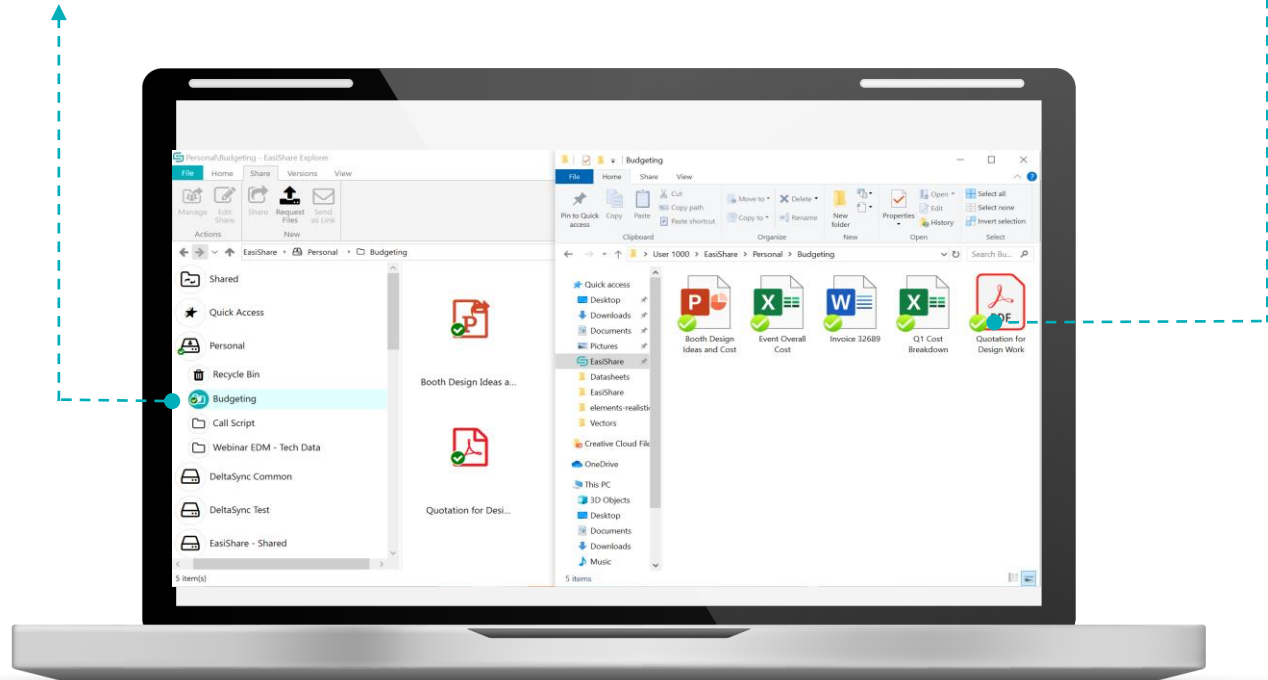




# Backup and Sync

To the Server

From Your Device

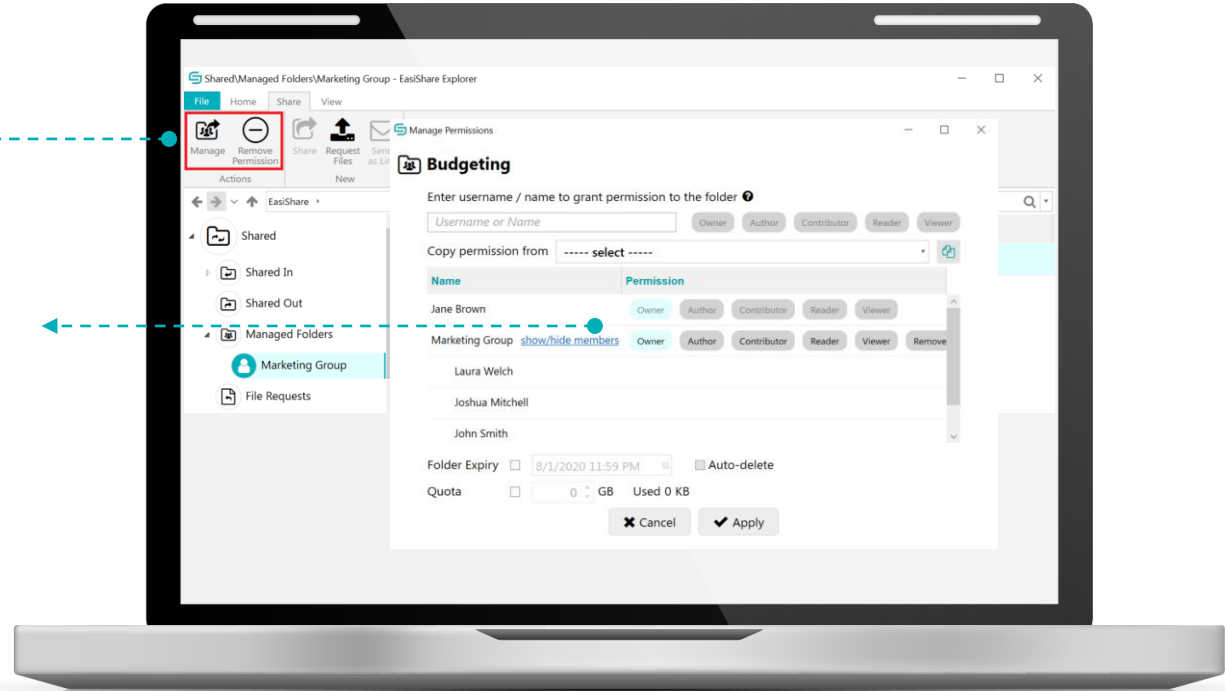




# Internal Collaboration

Manage Folders

Manage User Permissions





# Audit & Controls

Segregate Admin Roles

Control Security Policies  
Company/Group/User Level

Admin Audit Log

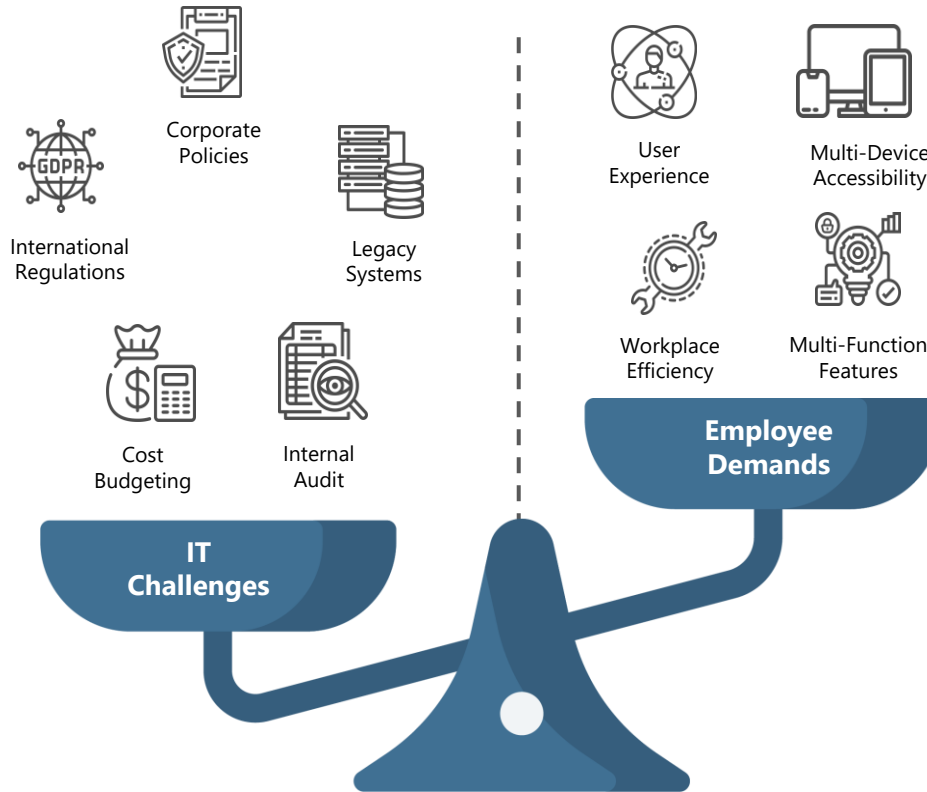
The screenshot shows a web browser window displaying an 'Admin Audit Report' for 'easishare'. The browser address bar shows 'demo2.easishare.com/casweb/AuditLogs/Admin'. The page title is 'Admin Audit Report' and the user is logged in as 'John Smith'. A search bar is present with the text 'Login'. Below the search bar is a table with the following columns: 'Date |:', 'User Name', 'Full Name', 'Action', 'From IP', and 'Error Info'. The table contains 10 rows of data. A vertical sidebar on the left contains several icons, including a gear icon for settings and a document icon for reports. A dashed blue arrow points from the 'Segregate Admin Roles' text to the top of the browser window. Another dashed blue arrow points from the 'Control Security Policies' text to the gear icon in the sidebar. A third dashed blue arrow points from the 'Admin Audit Log' text to the document icon in the sidebar.

Date  :	User Name	Full Name	Action	From IP	Error Info
06/16/2020 5:50 PM	John Smith	John Smith	Login	103.252.200.124	
06/16/2020 5:15 PM	egor@esdemo.easishare.com	Egor Markov	Login	80.64.162.50	
06/16/2020 4:39 PM	yeechow	Tan Yee Chow	Login	115.66.232.205	
06/16/2020 3:54 PM	max@esdemo.easishare.com	Max Chan	Login	42.60.26.168	
06/16/2020 3:46 PM	max@esdemo.easishare.com	Max Chan	Logout	42.60.26.168	
06/16/2020 3:39 PM	max@esdemo.easishare.com	Max Chan	Login	42.60.26.168	
06/16/2020 10:57 AM	egor@esdemo.easishare.com	Egor Markov	Logout	80.64.162.50	
06/16/2020 10:35 AM	sajth	Sajth Krishnan	Login	58.182.142.201	
06/16/2020 10:34 AM	egor@esdemo.easishare.com	Egor Markov	Login	80.64.162.50	
06/16/2020 10:04 AM	max@esdemo.easishare.com	Max Chan	Login	42.60.26.168	

1-10 out of 10 items



# Balancing Security & Users Experience





# Securing your Enterprise Files

*IT security or infrastructure architecture driven initiatives*

*Workplace productivity with better Visibility & Controls*



**Infrastructure Modernisation**



**Secure Collaboration**



**Banning of USBs**



**Backup and Sync**



**SMB Replacement**



**Large File Transfer**





# File Security in EasiShare v10

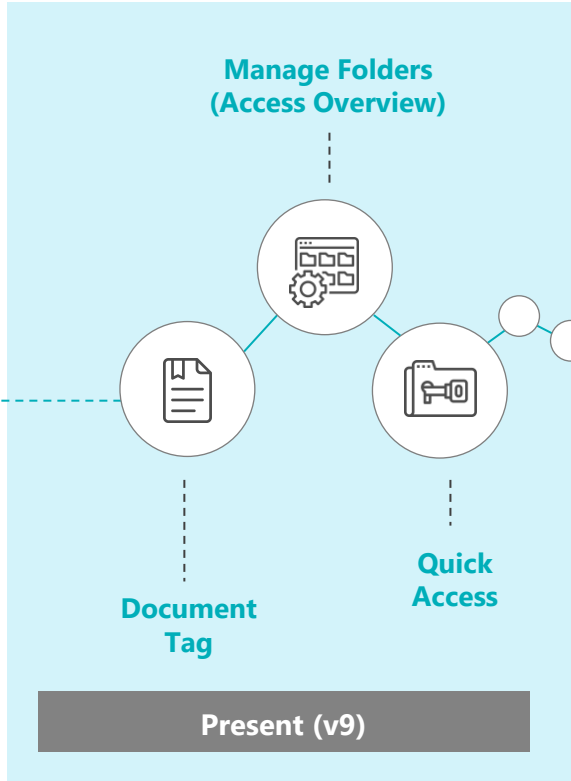


**Ting Teck Wei**  
Product Manager

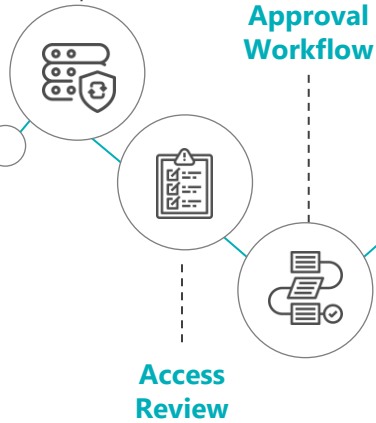


# EasiShare's Journey

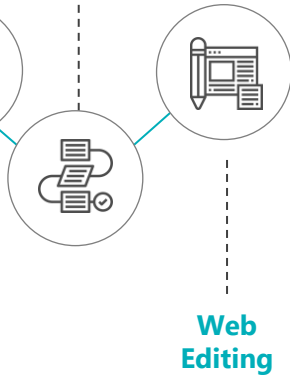
## Enterprise File Security



## Data Backup & Protection



## Approval Workflow



## Holistic Approach



## Integrations

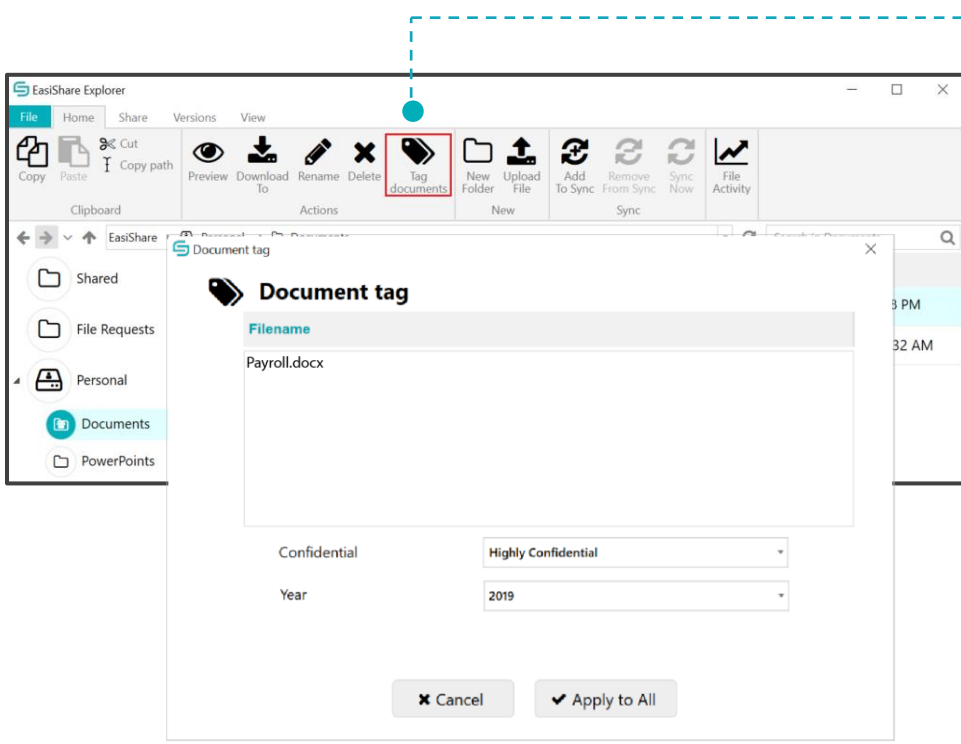
Present (v9)

New (v10)

Future



# Document Tags

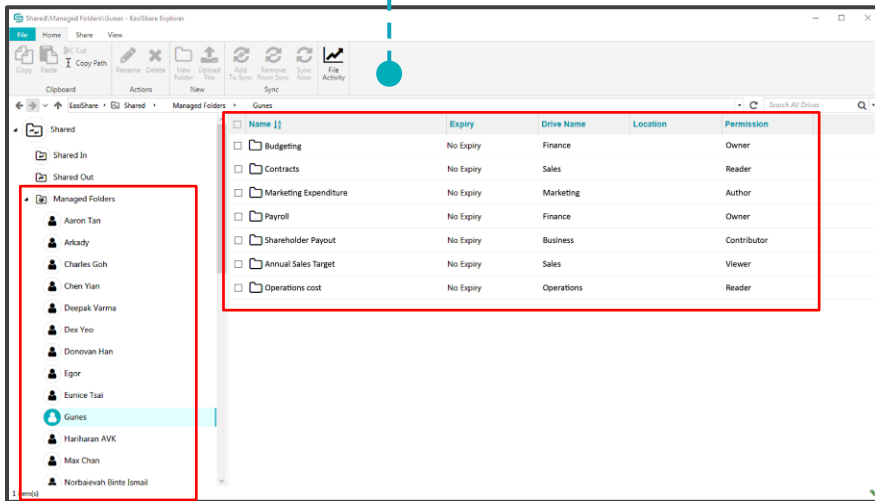


## Classification with Document Tagging

- Label sensitive files for policy-based controls when sharing files



# Manage Folders (Access Overview)

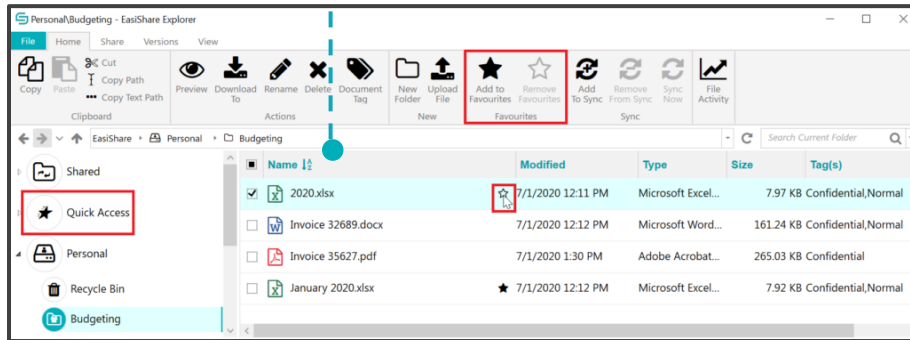


## View Managed Folder Permissions

- Owners can quickly have a view of folders shared with respective users and their permission levels

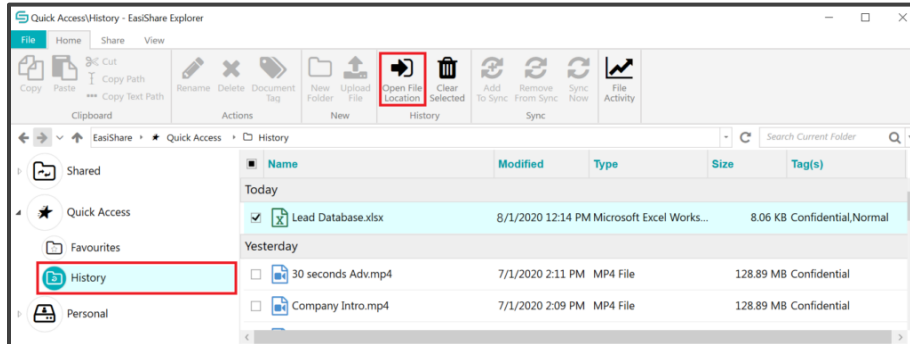


# Quick Access



## History and Favourites

- Readily access the files that you have recently worked on

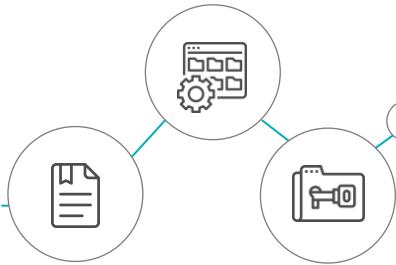




# EasiShare's Journey

## Enterprise File Security

Manage Folders  
(Access Overview)

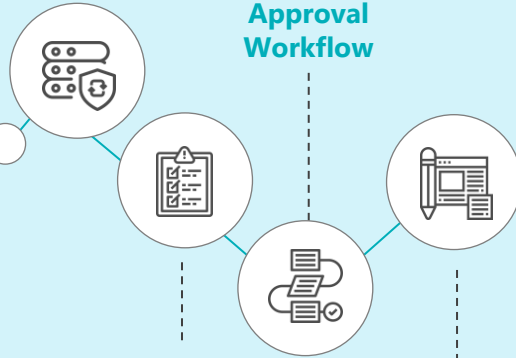


Document  
Tag

Quick  
Access

Present (v9)

Data Backup  
& Protection



Approval  
Workflow

Access  
Review

Web  
Editing

New (v10)

## Holistic Approach

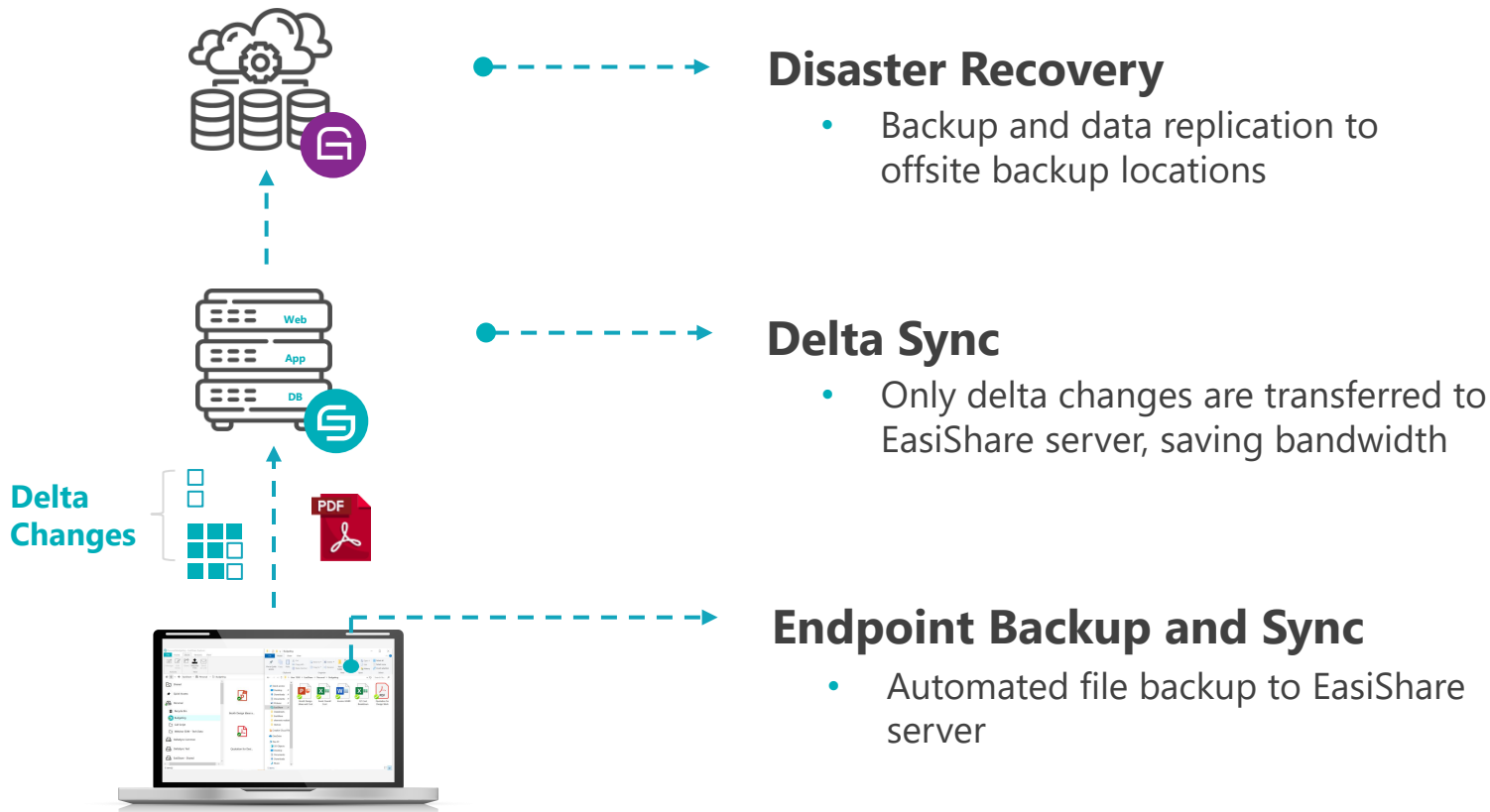


Integrations

Future

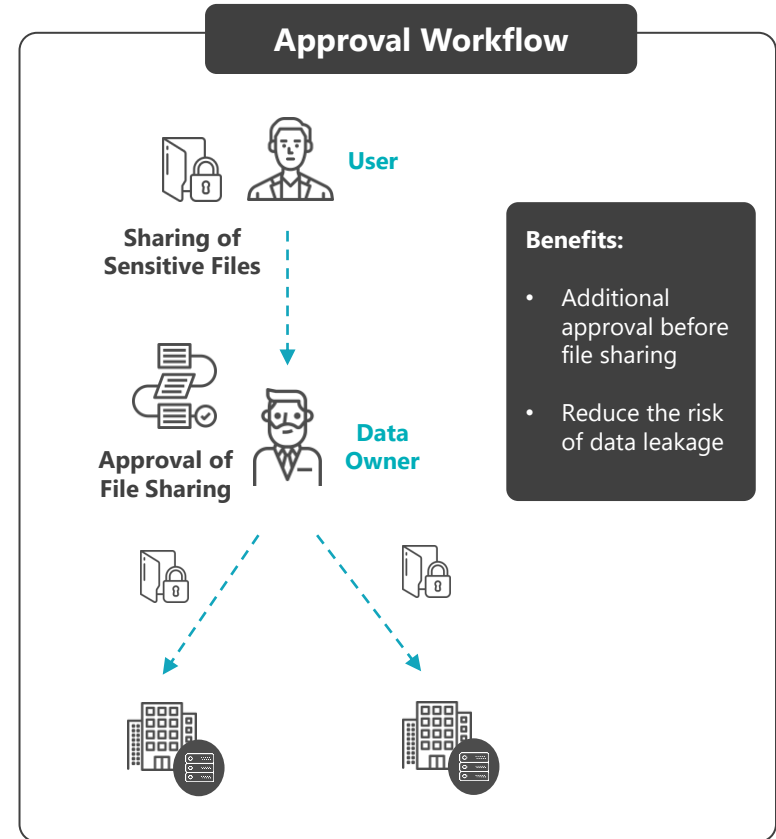
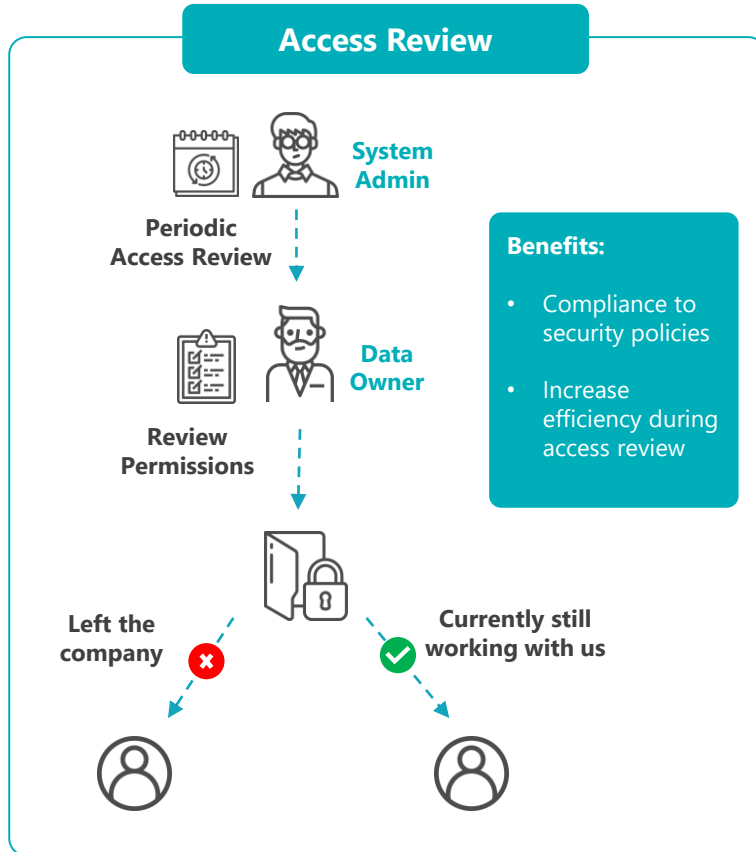


# End to End Data Backup & Protection





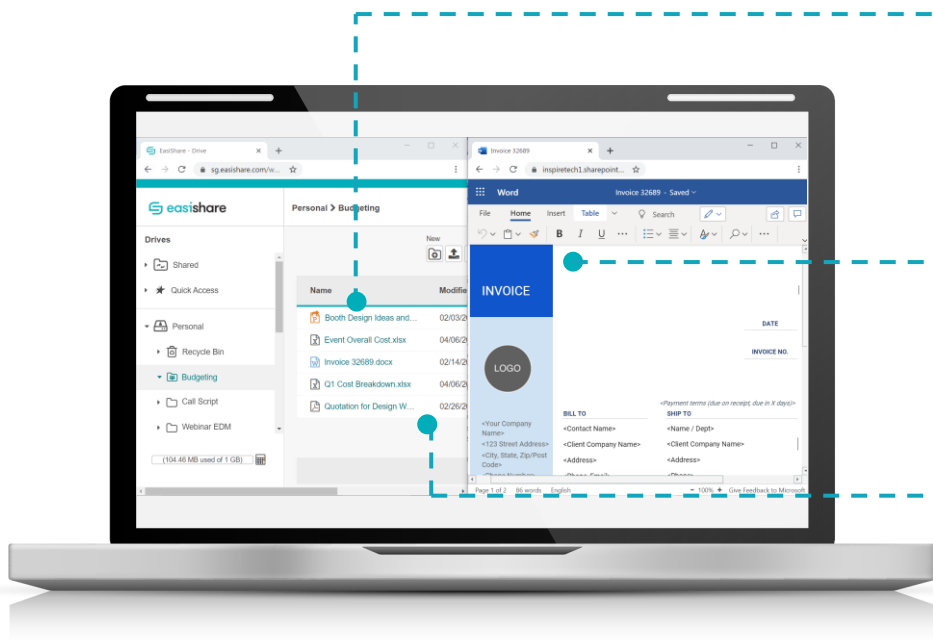
# Access Review / Approval Workflow







# Web Editing



## For Office Documents



## Edit without Downloading

- Reduce the need to upload and download files

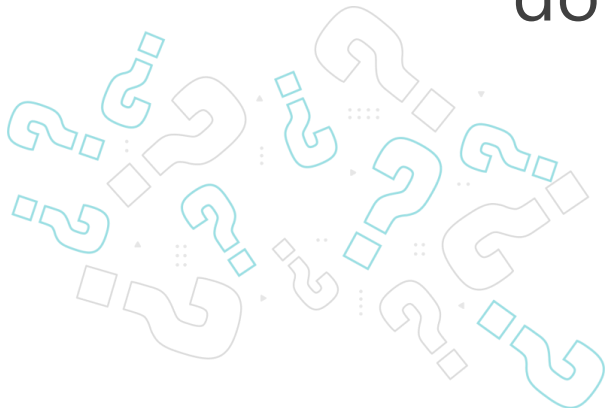
## Auto Check-Out & Versioning

- Easily track and manage changes



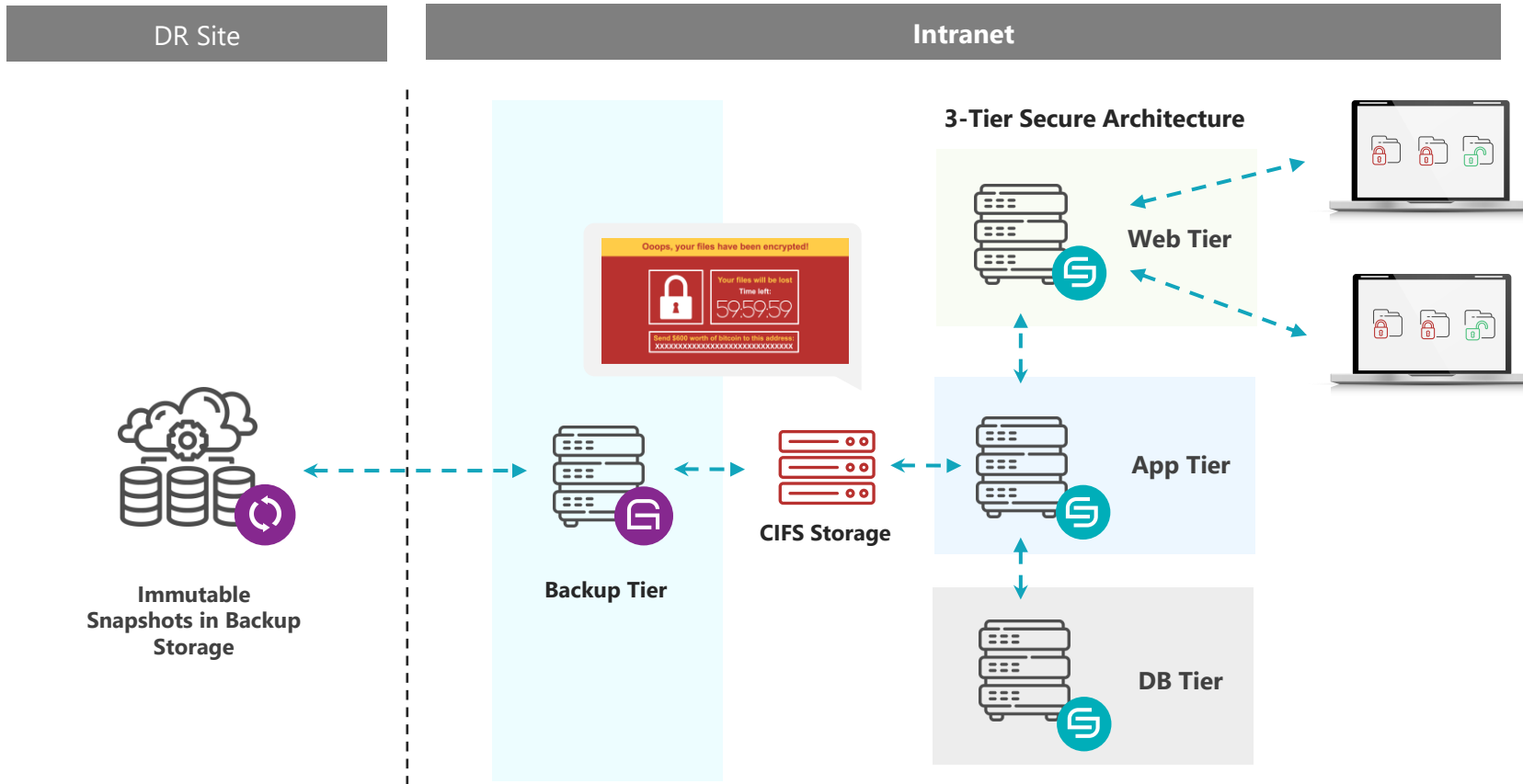
## Pop Question

From all the features  
you've seen, which feature  
do you like the most?



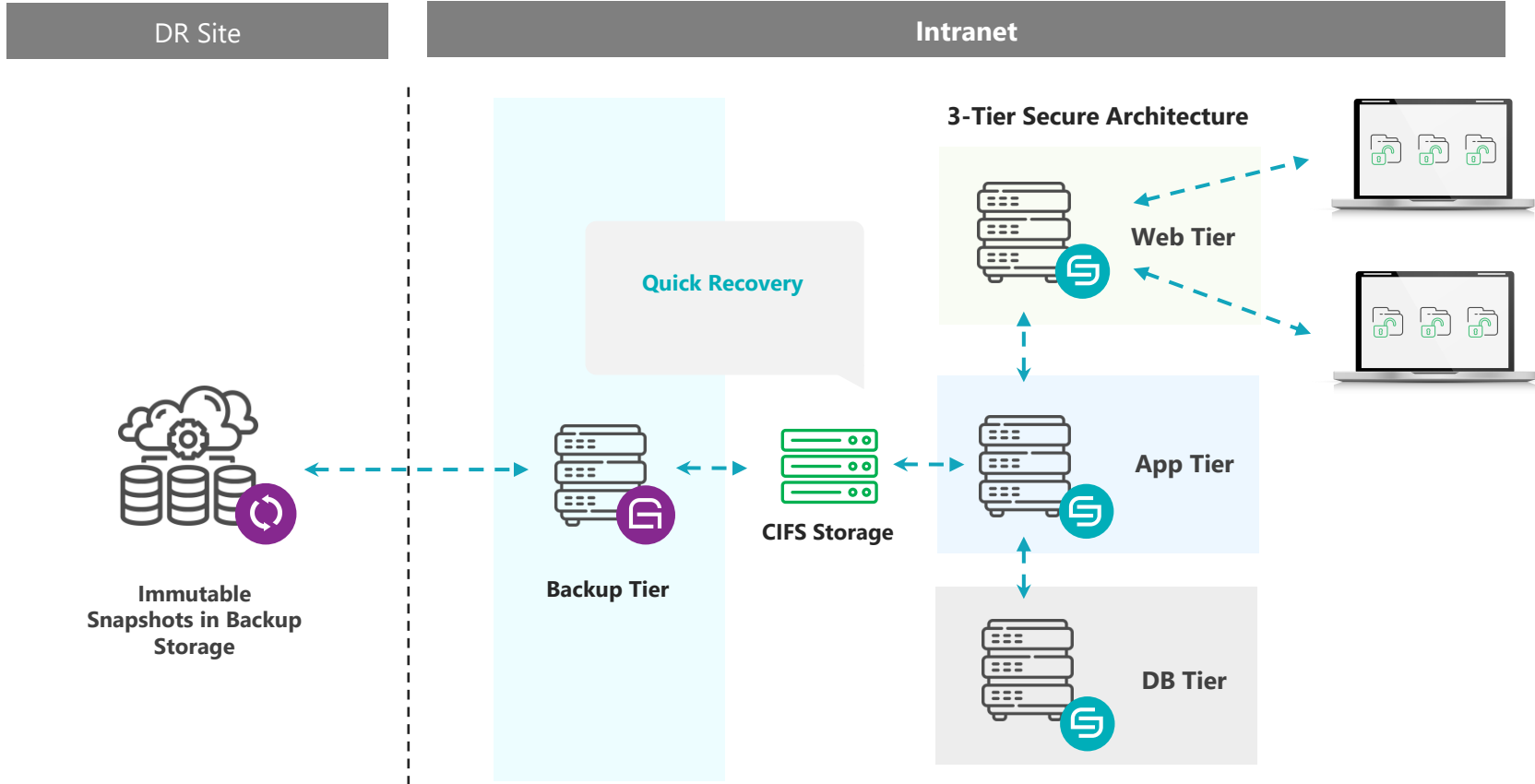


# Data Protection Scenario





# Data Protection Scenario





# EasiShare's Journey

## Enterprise File Security

Manage Folders  
(Access Overview)

Data Backup  
& Protection

Approval  
Workflow

Document  
Tag

Quick  
Access

Access  
Review

Web  
Editing

Present (v9)

New (v10)

## Holistic Approach



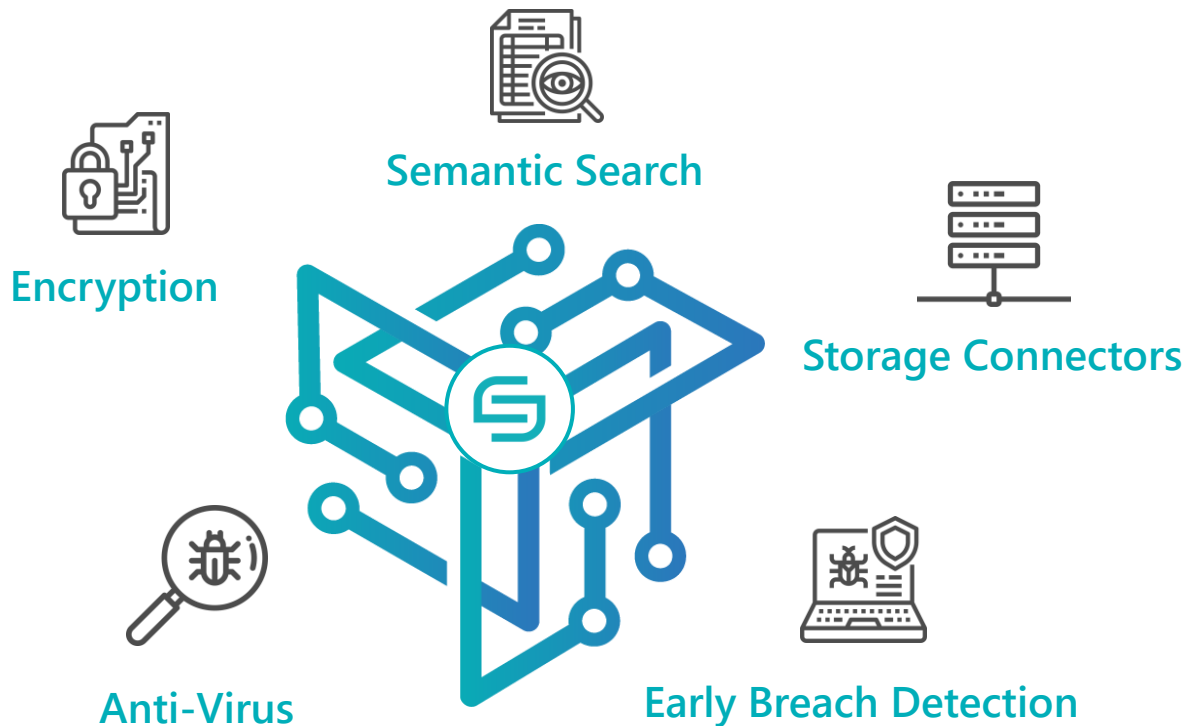
Integrations

Future



# Our Ready Integrations

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thankyou