

# TAMPER-PROOF DOCUMENT TRUST SYSTEM

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*Mohammad Jamshed Qureshi*

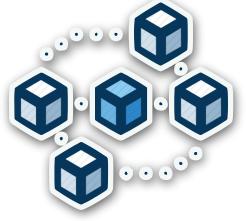
*Blockchain Development Program*

*George Brown College*

*April 2020*

# ABOUT ME

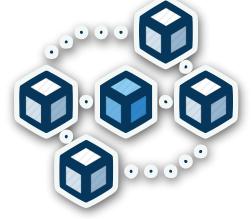
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- I. T. Consultant & Architect
- Education
  - University of Liverpool (MSc.)
  - York University (Cybersecurity)
  - George Brown College (Blockchain Development)
- Experience
  - 20+ Years
  - Financial Industry
  - Enterprise Solutions
  - I. T. Security

# PROBLEM

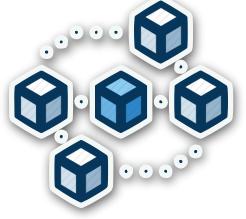
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- Today a typical enterprise generates:
  - Huge volume of digital documents and in various forms.
  - Content ranges from classified, non-classified, or public.
    - Customer data (KYC), contracts, financial information (AML), etc
- Document tampering threats from internal and external adversaries
  - Ransomeware attacks, recent WannaCry attack (May 2017)
- Its a challenging task to secure and protect data

# BENEFITS

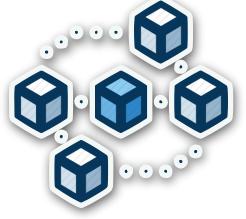
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- Provides immutability for files and documents
  - Blockchain consensus algorithm provides the immutability, once stored it cannot be modified or updated
  - Prevents unauthorized modifications to private documents (KYC/AML) or transaction data
- Reduce downtime and automated recovery

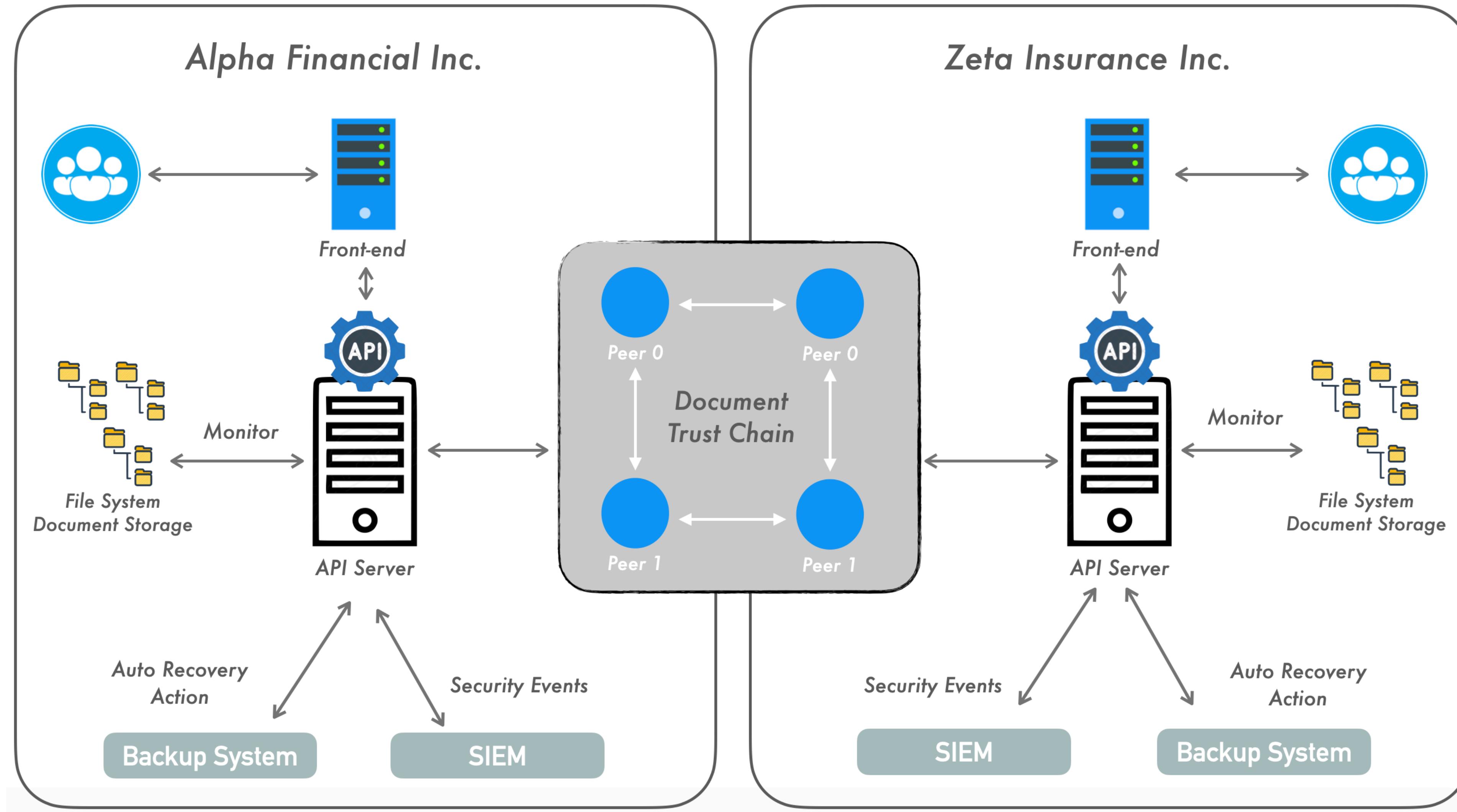
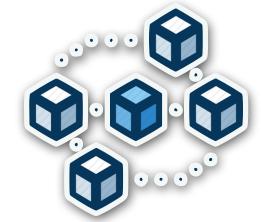
# FEATURES

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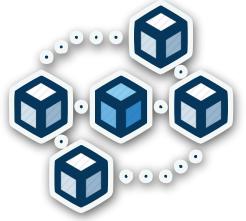


- Provides protection for entire file-system and not just for single documents
- Proactively monitors File-System for any modifications
- Automated Recovery
  - Integrates with Backup Recovery Solutions
- Integration with Security information and event management (SIEM) systems
- Open API integrates with existing business workflows

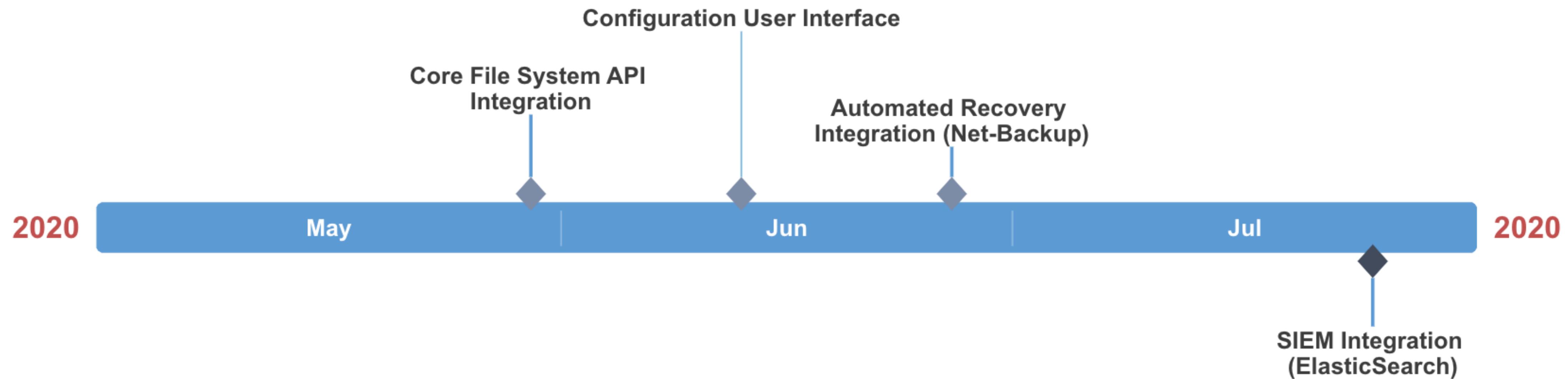
# USE CASE - DOCUMENT TRUST CHAIN



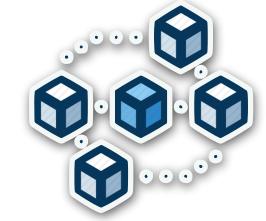
# ROADMAP



- Phase 1: Core
  - Monitor FileSystem in Real-time
- Phase 2: Integrations
  - Automated Recovery integration with Net-Backup
  - Security Event Monitoring (ElasticSearch)



# LET'S DISCUSS MORE



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Your Problem & Solution

Regulatory Compliance Proof-of-Process

Tamper Proof Document Storage System

Supply Chain Provenance

Remittances & Settlement (KYC/AML)

Inventory Management

Internet of Things IoT

BLOCKCHAIN