

# TAMPER-PROOF DOCUMENT TRUST SYSTEM

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*Mohammad Jamshed Qureshi*

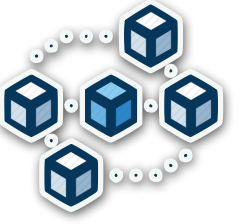
*Blockchain Development Program*

*George Brown College*

*April 2020*

# ABOUT ME

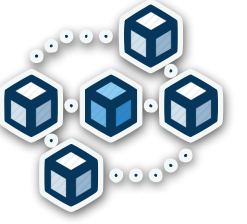
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- I. T. Consultant & Architect
- Education
  - University of Liverpool (MSc.)
  - York University (Cybersecurity)
  - George Brown College (Blockchain Development)
- Experience
  - 20+ Years
  - Financial Industry
  - Enterprise Solutions
  - I. T.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

# PROBLEM

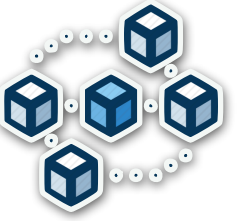
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- Today a typical enterprise generates:
  - Huge volume of digital documents and in various forms.
  - Content ranges from classified, non-classified, or public.
    - Customer data (KYC), contracts, financial information (AML), etc
- Document tampering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

# BENEFITS

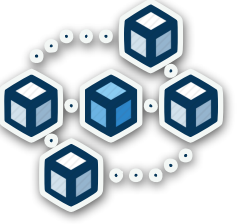
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- Provides immutability for files and documents
  - Blockchain consensus algorithm provides the immutability, once stored it cannot be modified or updated
  - Prevents unauthorized modifications to private documents (KYC/AML) or transaction data
-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

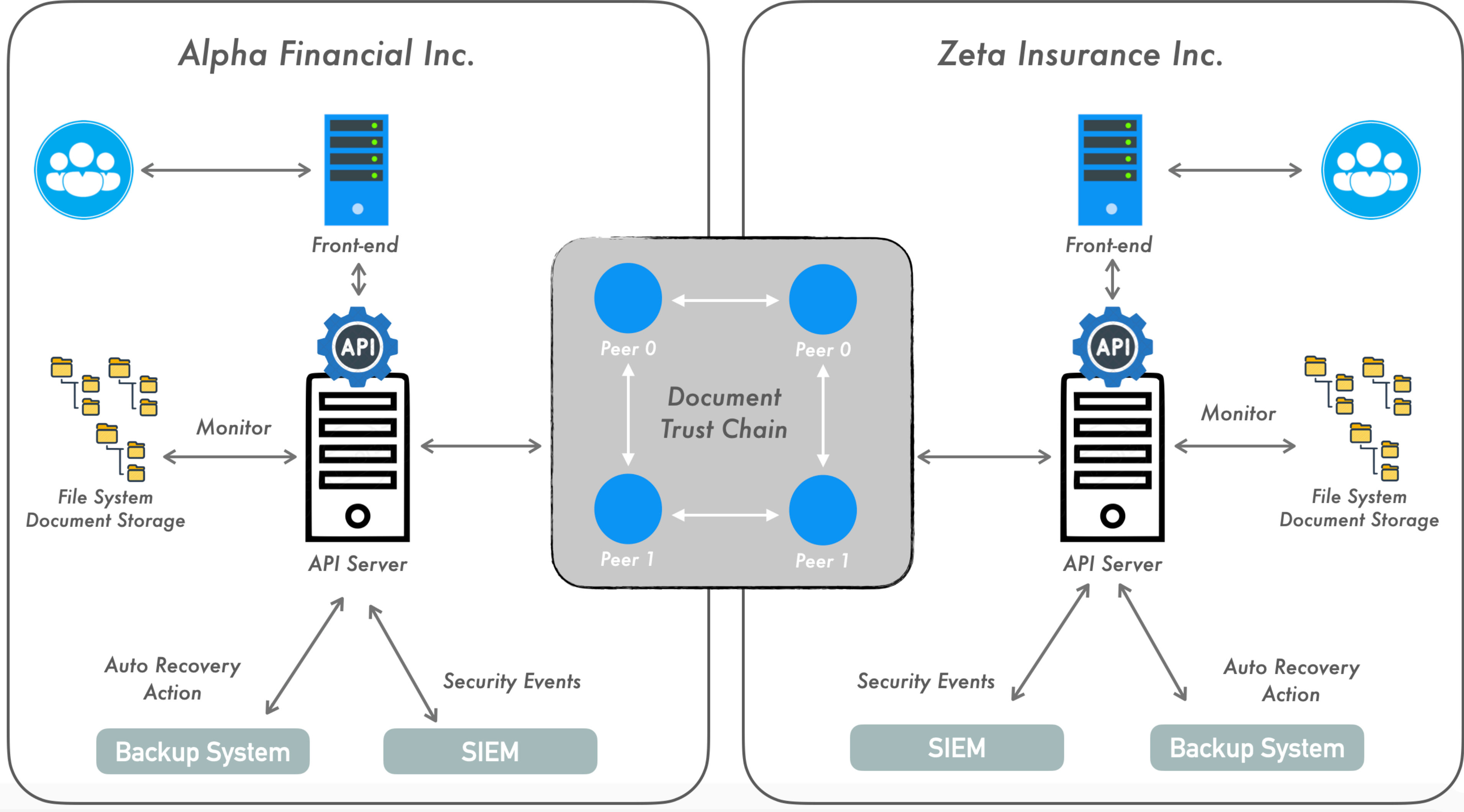
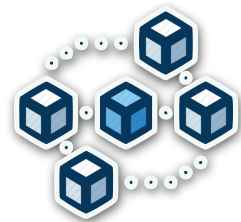
# FEATURES

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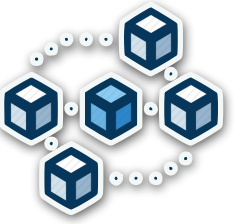
- Provides protection for entire file-system and not just for single documents
- Proactively monitors File-System for any modifications
- Automated Recovery
  - Integrates with Backup Recovery Solutions
- Integration with Security information and event management (SIEM) systems
- Open API integrates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

# USE CASE – DOCUMENT TRUST CHAIN





# ROADMAP



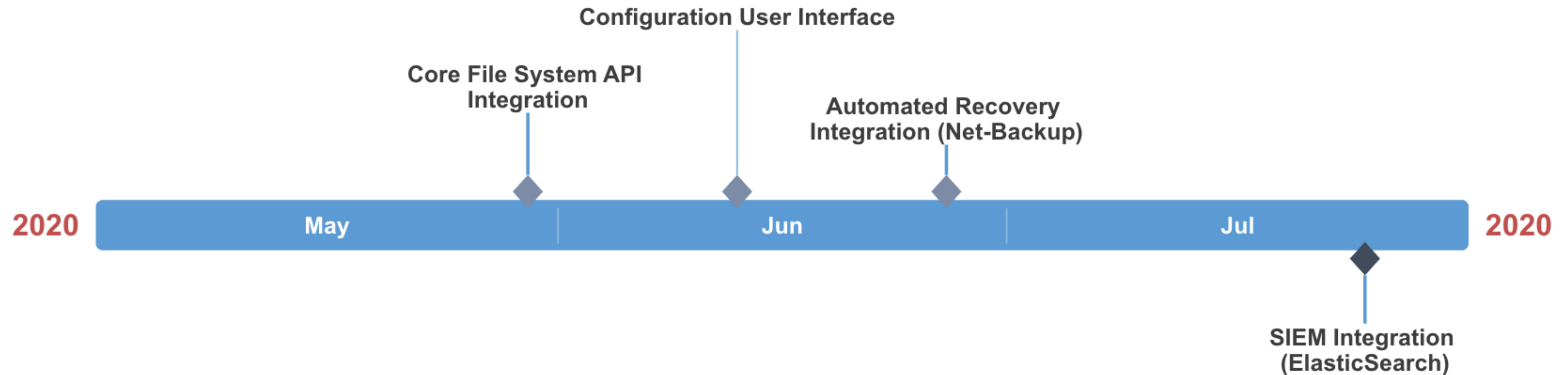
## ➤ Phase 1: Core

### ➤ Monitor FileSystem in Real-time

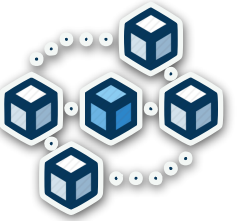
## ➤ Phase 2: Integrations

### ➤ Automated Recovery integration with Net-Backup

### ➤ Security Event Monitoring (ElasticSearch)



# LET'S DISCUSS MORE



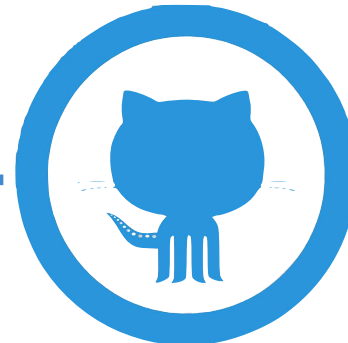
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GitHub

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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**