

Blockchain-based File Sync & Sharing



Information Flow Creates Value

Public information starts to flow when it can be easily searched



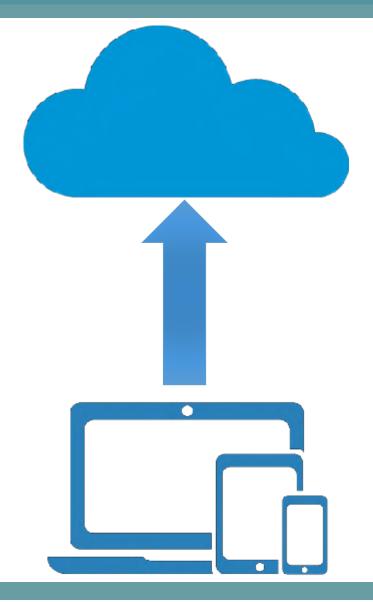
Semi-private information starts to flow when online communities can be easily formed



Private information can only flow when it can be easily and securely shared and collaborated upon



Future of Cloud Storage



Transition to cloud storage is the future.

Stumbling block for business: Data
 Security (logical data ownership).

Traditional approach: Firewall



New paradigm: Blockchain





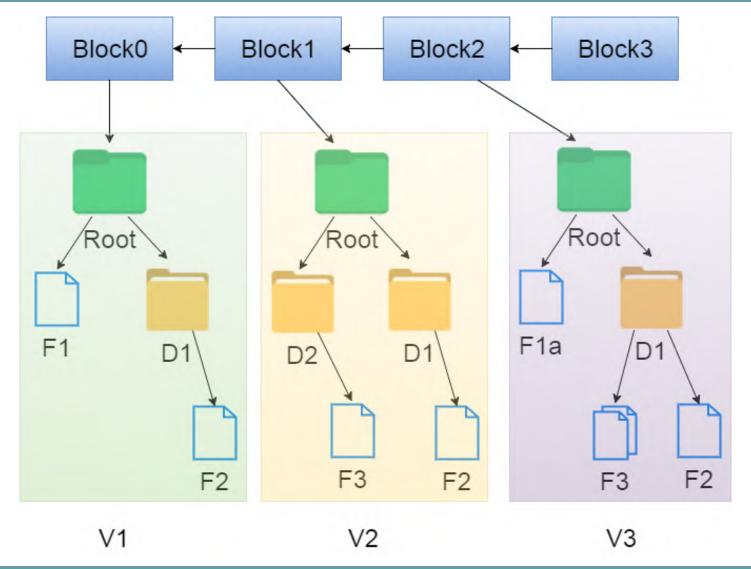
Cloud Storage Solutions Overview

	Logical Data Ownership			
	Immutable & Distributed	Content & Metadata Encryption	Man-In-The- Middle Attack Detection	Search on Encrypted Data
Traditional Security Solution: Firewall	×	×	-	-
Current EFSS Solutions	×	×	×	×
ALLIVault	√	√	√	√

ALLIVault: Blockchain-based technique guarantees user complete logical ownership for data stored on cloud.



Blockchain/Merkle Tree





Immutable and Distributed

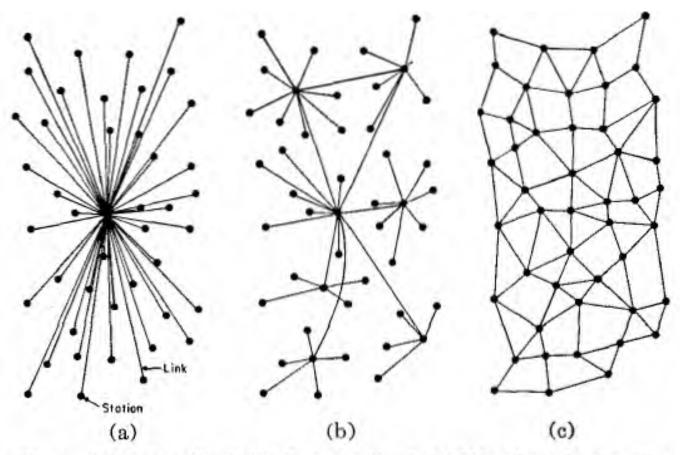
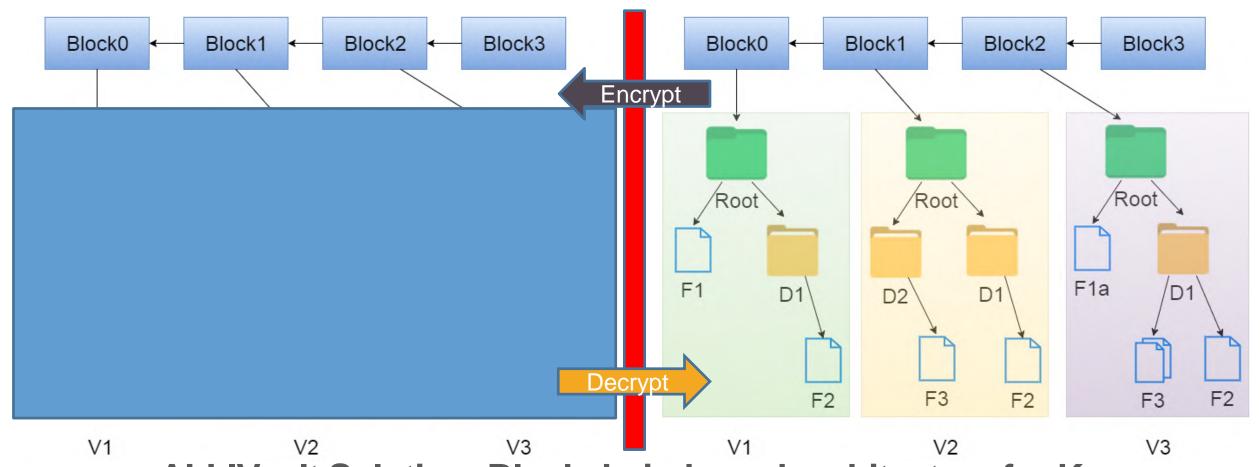


Fig. 1—(a) Centralized. (b) Decentralized. (c) Distributed networks.



Trade-off b/w Metadata Encryption and Ease of Use



ALLIVault Solution: Blockchain-based architecture for Key Management (Patent-pending, App. # 14/750,567)



Search On Encrypted Data

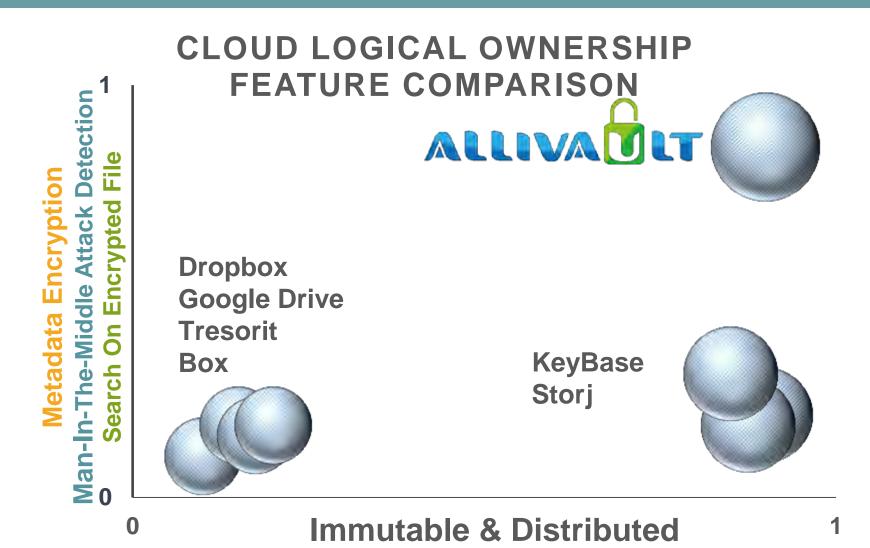


ALLIVault Solution: Separation of Index DB and ciphertext DB (Patent pending, App # 15/048,726)



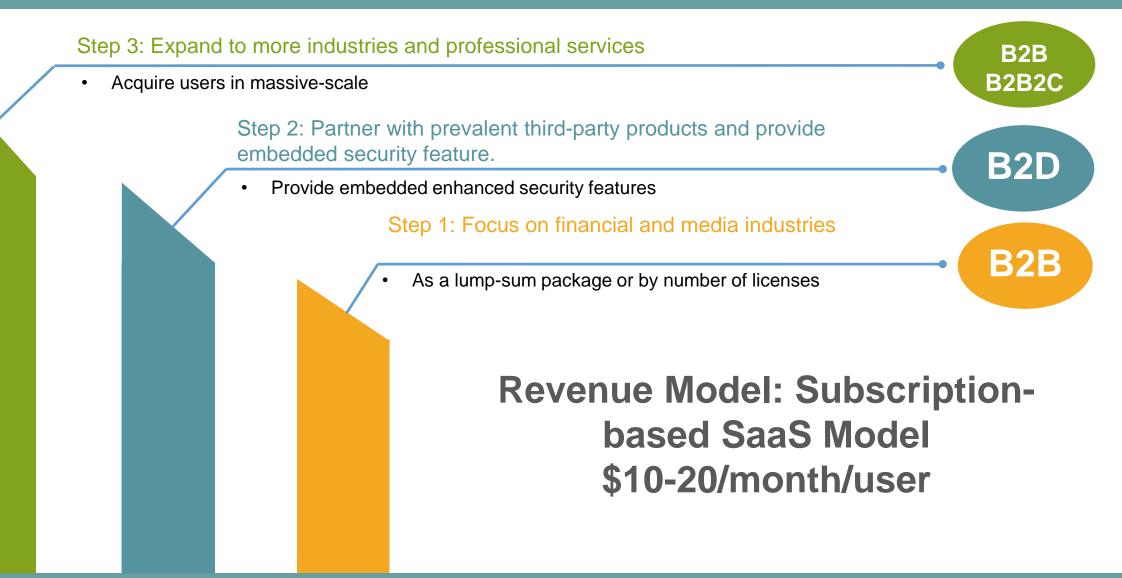
Competitive Landscape

- Metadata Encryption
- Man-In-The-Middle
 Attack Detection
- Search On Encrypted File



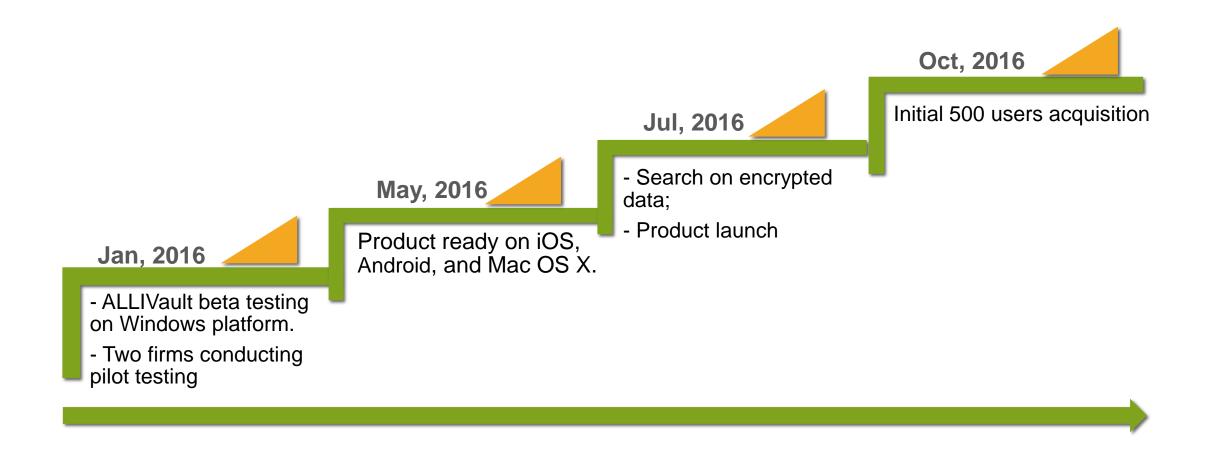


Go To Market Strategy



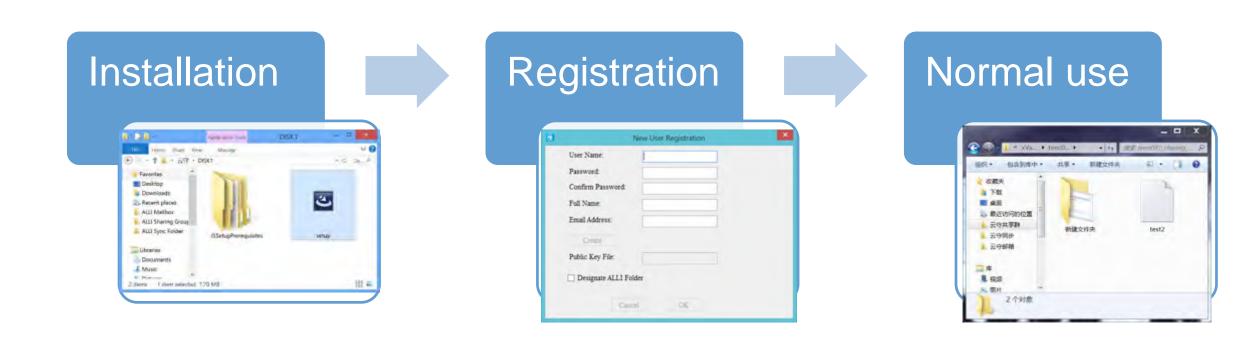


Timeline and Milestones





Product deployment: Easy as dropbox





Our Team







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Blockchain-based Data Ownership

Thank you!

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