



Architecture Discussion

Identity

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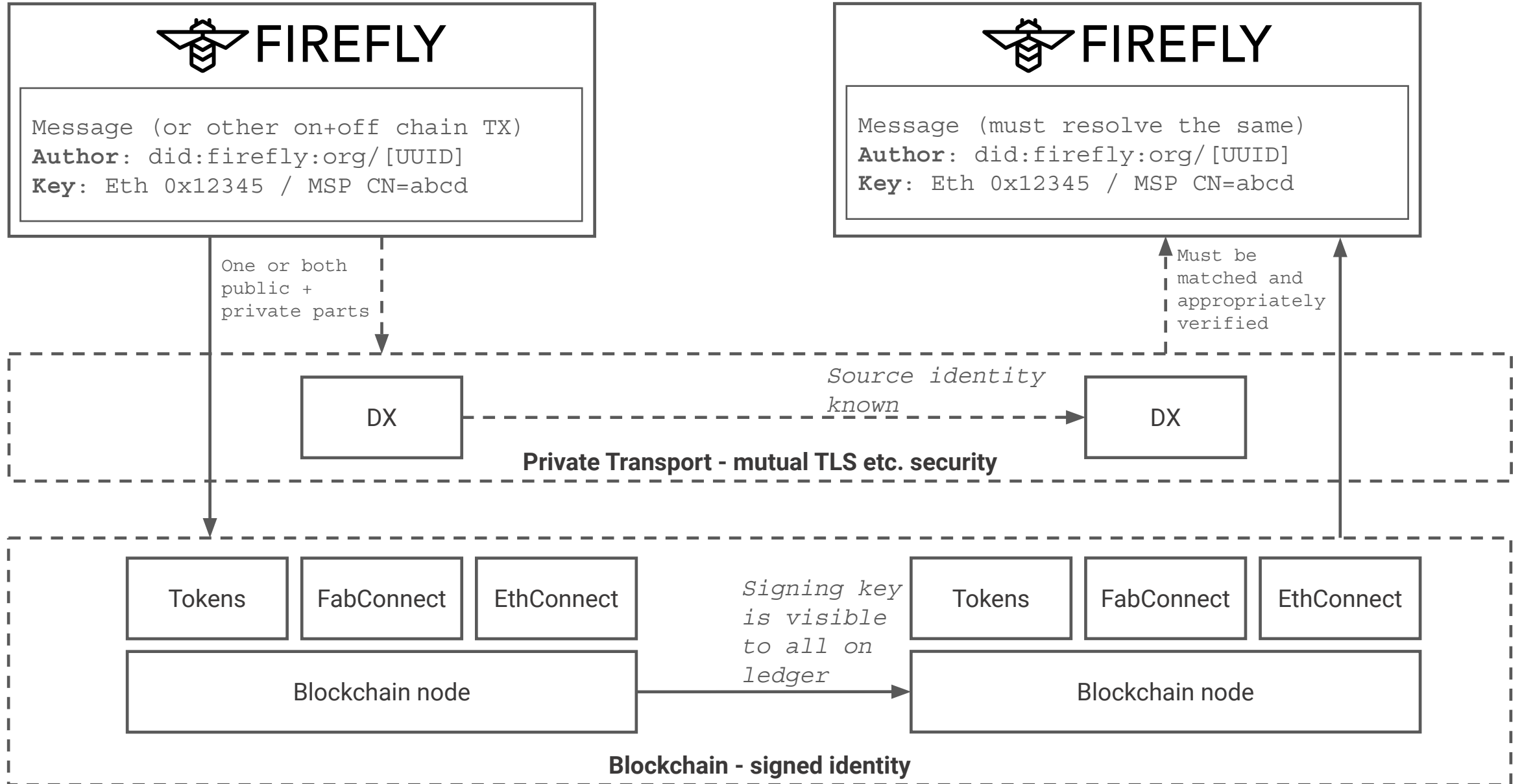
Community Call 29th Sep 2021



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New: Split Author and Key



Identity input and validation

Type	Input Identity	Input Signing key	Registered to org?	Resolved Identity (stored in message)	Resolved Signing Key (stored in message)	Verification
Broadcast			Yes	FireFly Org (node default)	Node default signing key	On-chain <i>Signing key must be registered to the signing org in the case of all broadcasts</i>
		Local Fabric "keyname"	Yes	Firefly Org (owner of key)	Full key identifier	
		Local Fabric "keyname"	No	INVALID		
	Firefly Org	Local Fabric "keyname"	Yes	Firefly Org (must own key)	Full key identifier	
		Ethereum "hd:xyz" string	No	INVALID		
	Firefly Org	Ethereum "hd:xyz" string	No	INVALID		
		Full key identifier	Yes	Firefly Org (owner of key)	Full key identifier	
		Full key identifier	No	INVALID		
	Firefly Org	Full key identifier	Yes	Firefly Org (must own key)	Full key identifier	
Private			Yes	FireFly Org (node default)	Node default signing key	Off-chain + on-chain Off-chain only Off-chain + on-chain Off-chain only Off-chain only Off-chain + on-chain Off-chain only Off-chain + on-chain
		Local Fabric "keyname"	Yes	Firefly Org (owner of key)	Full key identifier	
		Local Fabric "keyname"	No	FireFly Org (node default)	Full key identifier	
	Firefly Org	Local Fabric "keyname"	Yes	Firefly Org (owner of key)	Full key identifier	
		Ethereum "hd:xyz" string	No	FireFly Org (node default)	Resolved key identifier	
	Firefly Org	Ethereum "hd:xyz" string	No	FireFly Org (must be in local tree)	Resolved key identifier	
		Full key identifier	Yes	Firefly Org (owner of key)	Full key identifier	
		Full key identifier	No	FireFly Org (node default)	Full key identifier	
	Firefly Org	Full key identifier	Yes	Firefly Org (owner of key)	Full key identifier	



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