Questions and Answers for IIW spring 2021 about

KERI Q&A
basic introduction

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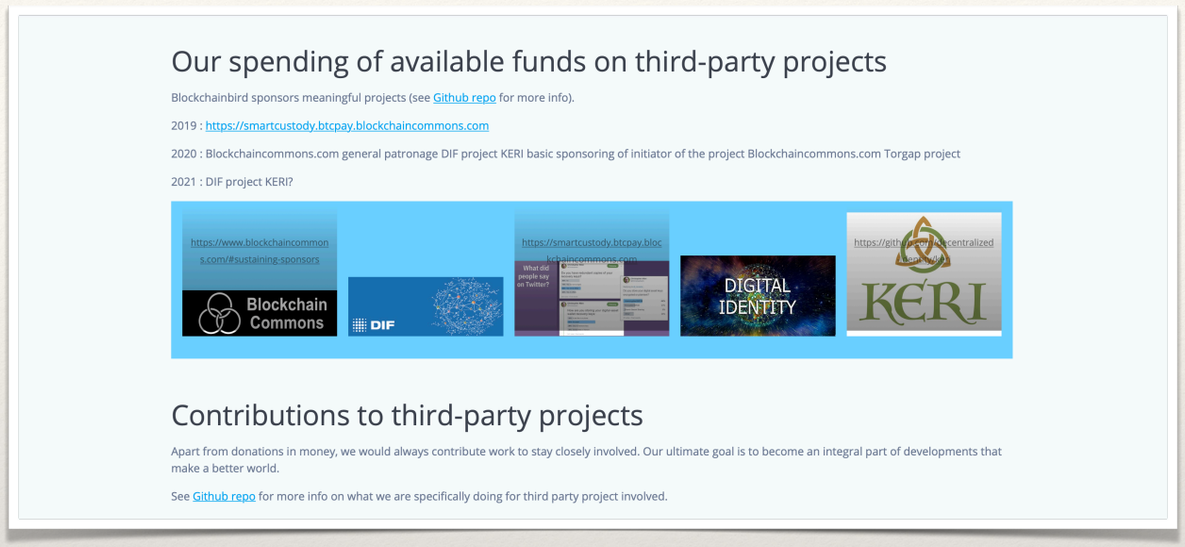
LinkedIN

My objective: Personalize your own access to KERI information sources
How: I'll show you around, connect you to the Q&A, how to use it and give answers to first 10 Q's



Henk van Cann

blockchainbird.org

Fully Noded Q&A
Gordian Server Q&A
KERI Q&A
ION Q&A
Sidetree Q&A

What is KERI?

- Key Event Receipt Infrastructure **
- Intends to *repair* the Internet *
- KERI = CT with decentralized CA ***
- NOT a coin, token… *

CT = Certificate Transparency and CA = Certification Authority

Why KERI? (and not something else)

- Strong autonomous identifiers
- Abiding to privacy (laws and good habits)
- **Portability**, delegation, rotatable keys
- Direct & Indirect method
- <there's more>

For who is KERI?

Personalize your own access to KERI information sources

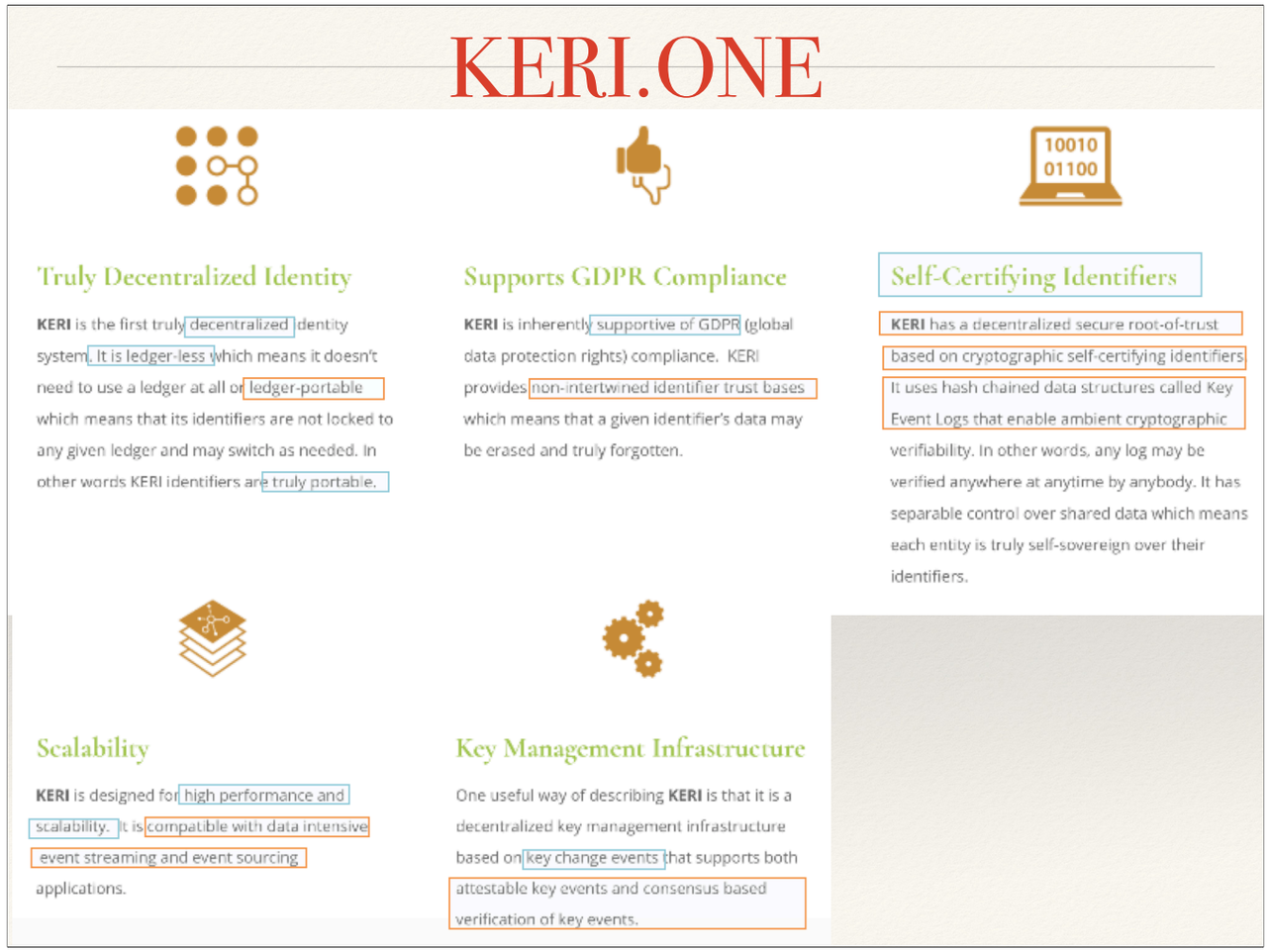
KERI.ONE

Novices
SSI advanced and proficient

Github KERI

Developers
SSI Experts

Both target groups can mix the resources



Features vs. OMG

Keri.one is a site, browse through it and bookmark your preferred links

By who is KERI?

Dentralised Identity Foundation Workgroup

Samuel M. Smith

Creator

Of course many other contributors, see GitHub for information.

When can I use KERI?

- Today to study and contribute
- Today to implement the concept elsewhere
- Roadmap (current) maybe discussed in other KERI sessions

How to approach KERI?

Four interesting concepts to get your head around:

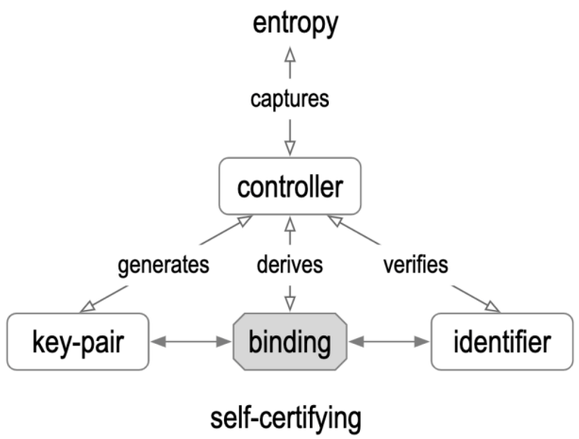
- KERI does not need a blockchain
- Duplicity detection in KERI (public identifiers)
- Direct and indirect verification method
- Pre-rotation in KERI

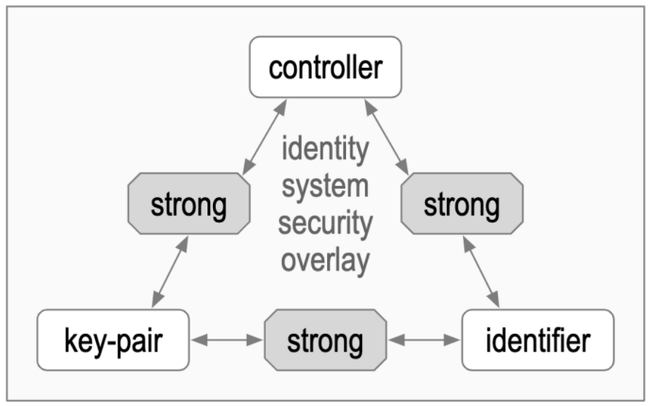
This is my personal view.

What is all this ? Pre-rotation etc? Please hold your horses and use the resources offered here to find out.

Inception of key pair of Identifier

Self-Certifying Identifier Issuance and Binding





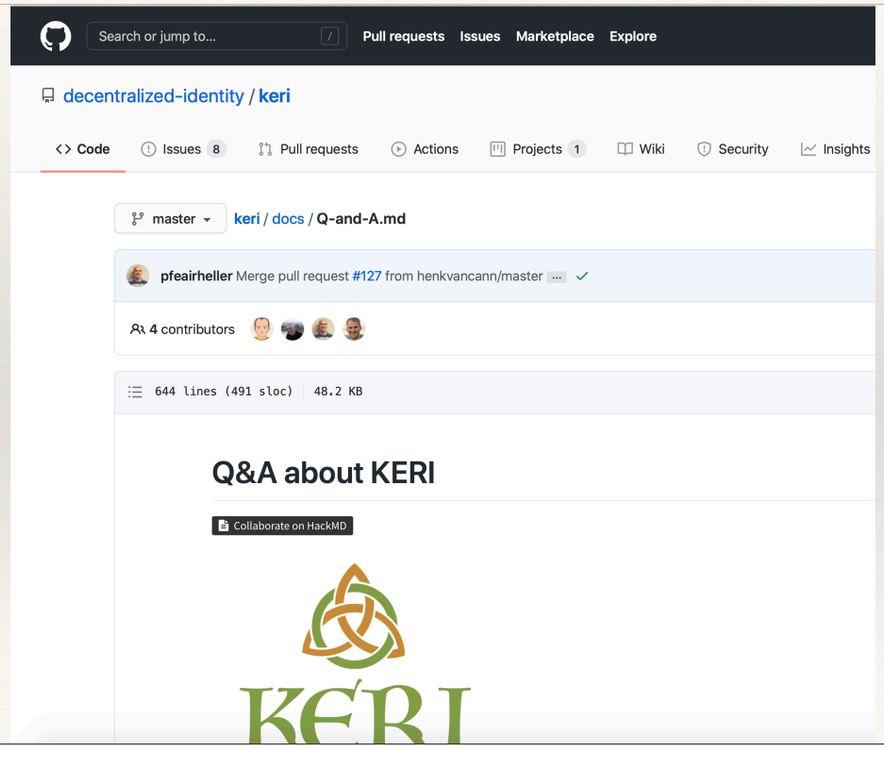
Self-Certifying Identifier Issuance

“Don’t say KERI can’t do it”

CONTROLLER: The entity that has the ability to make changes to an identity, cryptocurrency or verifiable credential.

The controller of an autonomous identifier is the entity (person, organization, or autonomous software) that has the capability, as defined by derivation, to make changes to an Event Log.

What does the Q&A look like?



How to use GitHub Q&A?

- Glossary, Q&A and Q&A security
- User levels: * novice, ** advanced, *** expert
- Jump table to Categories
- (*SamMSmith*)
- {TBW prio …} to be written: work in progress

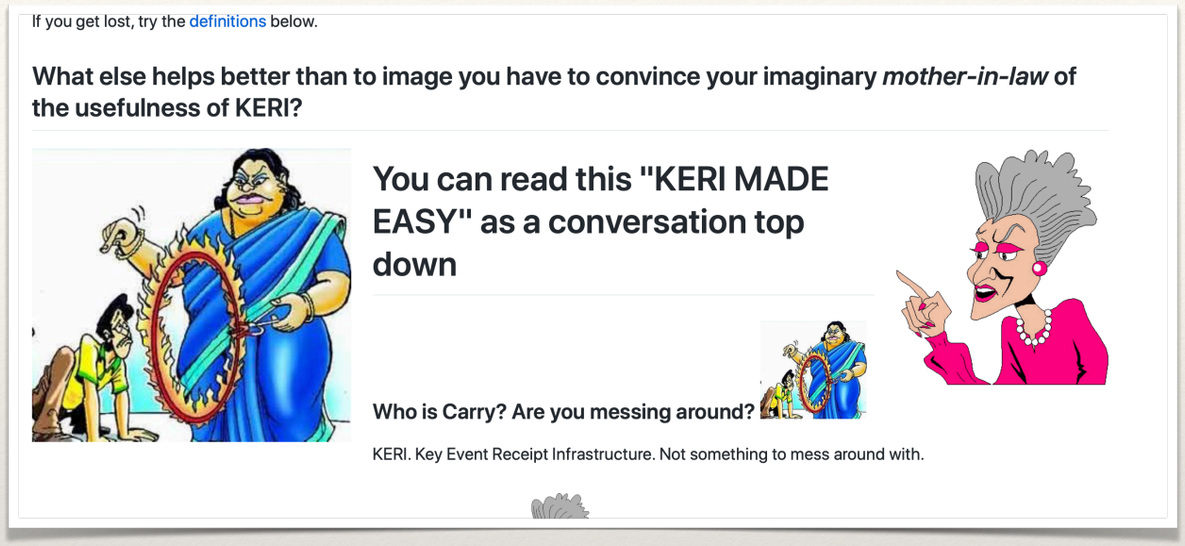
Jump table to categories

PART ONE

- General
- Why the internet is broken
- KERI and DIDs
- Wallets
- Signatures
- Proofs
- Private Key Management
- Blockchain
- Root of trust
- KERI operational
- Agencies
- Virtual Credentials

PART TWO

- KERI operational security
- Identifiers
- Event logs
- Inconsistency and duplicity
- Key rotation
- KEL and KELR
- Witness
- Watchers
- KERI and blockchain settled DIDs
- Security Guarantees

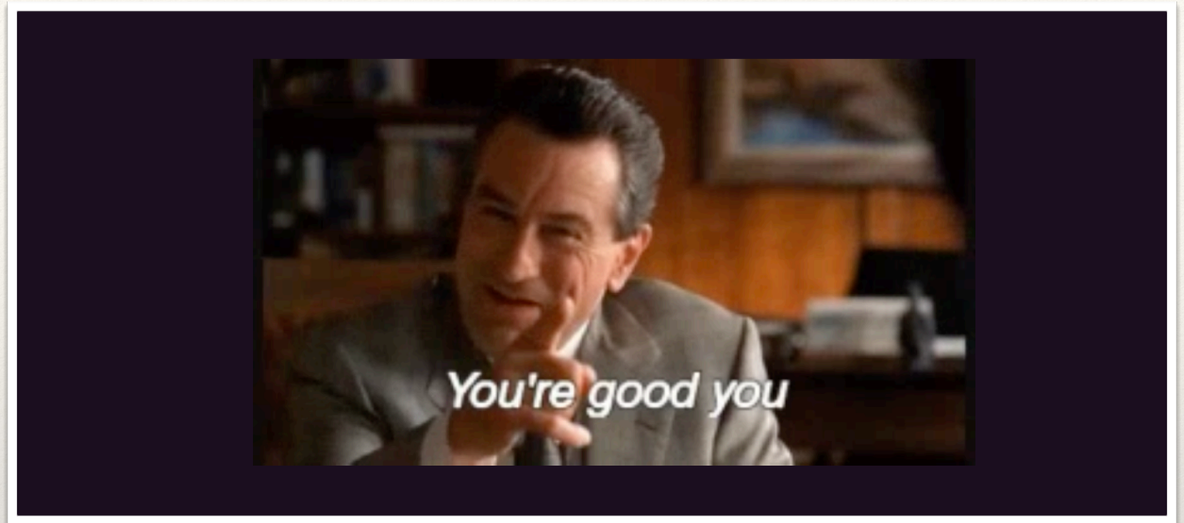


Bonus

Explain KERI to mother-in-law

Link to page

Does anyone relate to these family meetings where you have to explain to your relatives what (for heaven's sake) you are doing?



Bonus

KERI security guarantees

Link to page

A sincere effort to put complex language in everyday’s language.

10 answers to basic questions

- 1-5 : What, Why, Who, When, Which way
- 6: What problem does KERI solve? *
- 7: Who is KERI? *
- 8: What does KERI look like? *
- 9: What is pre-rotation? **
- 10: What does KERI proof? *