

*Questions and Answers for IIW spring 2021 about*

KERI



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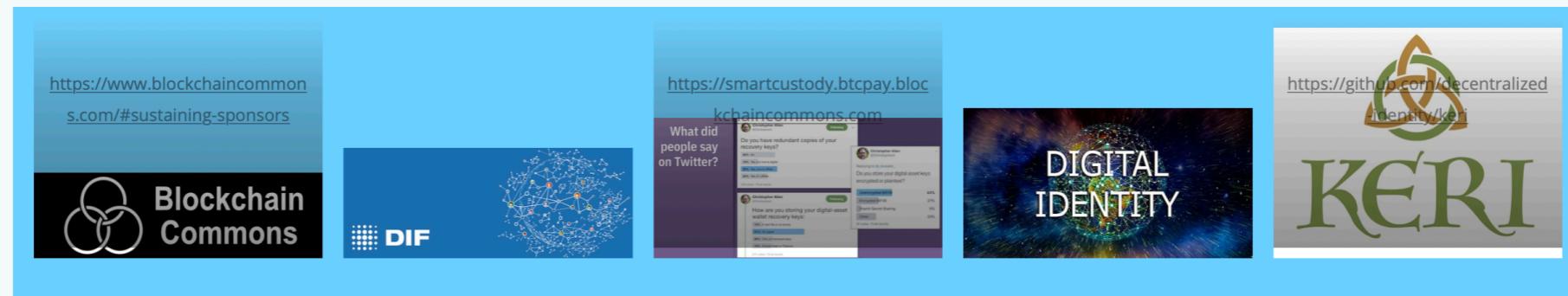
# Our spending of available funds on third-party projects

Blockchainbird sponsors meaningful projects (see [Github repo](#) for more info).

2019 : <https://smartcustody.btcpay.blockchaincommons.com>

2020 : Blockchaincommons.com general patronage DIF project KERI basic sponsoring of initiator of the project Blockchaincommons.com Torgap project

2021 : DIF project KERI?



## Contributions to third-party projects

Apart from donations in money, we would always contribute work to stay closely involved. Our ultimate goal is to become an integral part of developments that make a better world.

See [Github repo](#) for more info on what we are specifically doing for third party project involved.

*Henk van Cann*

[blockchainbird.org](http://blockchainbird.org)

[Fully Noded Q&A](#)  
[Gordian Server Q&A](#)  
[KERI Q&A](#)  
[ION Q&A](#)  
[Sidetree Q&A](#)

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# What is KERI?

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

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# Why KERI? (and not something else)

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- ❖ Strong autonomous identifiers
- ❖ Abiding to privacy (laws and good habits)
- ❖ Transferable, rotatable
- ❖ Direct & Indirect method

# For who is KERI?



*Personalize your own access to KERI information sources*

**KERI.ONE**

**Github KERI**

Novices  
SSI advanced and proficient

Developers  
SSI Experts

# KERI.ONE



## Truly Decentralized Identity

**KERI** is the first truly decentralized identity system. It is ledger-less which means it doesn't need to use a ledger at all or ledger-portable which means that its identifiers are not locked to any given ledger and may switch as needed. In other words KERI identifiers are truly portable.



## Supports GDPR Compliance

**KERI** is inherently supportive of GDPR (global data protection rights) compliance. KERI provides non-intertwined identifier trust bases which means that a given identifier's data may be erased and truly forgotten.



## Self-Certifying Identifiers

**KERI** has a decentralized secure root-of-trust based on cryptographic self-certifying identifiers. It uses hash chained data structures called Key Event Logs that enable ambient cryptographic verifiability. In other words, any log may be verified anywhere at anytime by anybody. It has separable control over shared data which means each entity is truly self-sovereign over their identifiers.



## Scalability

**KERI** is designed for high performance and scalability. It is compatible with data intensive event streaming and event sourcing applications.



## Key Management Infrastructure

One useful way of describing **KERI** is that it is a decentralized key management infrastructure based on key change events that supports both attestable key events and consensus based verification of key events.

# By who is KERI?

*Decentralised Identity Foundation Workgroup*

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## Samuel M. Smith

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Founder



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# When can I use KERI?

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- ❖ Today to study and contribute
- ❖ Today to implement the concept elsewhere
- ❖ Roadmap in other KERI sessions

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# How to approach KERI?

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**Four interesting concepts to get your head around:**

- ❖ KERI does not need a blockchain
- ❖ Duplicity detection in KERI
- ❖ Direct and indirect verification method
- ❖ Pre-rotation in KERI

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# How to use Q&A?

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- ❖ 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

If you get lost, try the [definitions](#) below.

What else helps better than to image you have to convince your imaginary *mother-in-law* of the usefulness of KERI?



You can read this "KERI MADE EASY" as a conversation top down



Who is Carry? Are you messing around?

KERI. Key Event Receipt Infrastructure. Not something to mess around with.



Bonus

Explain KERI  
to mother-in-law

[Link to page](#)



*Bonus*

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# KERI security guarantees

[Link to page](#)

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# 10 answers to basic questions

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- ❖ 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?