

EUROPEAN IDENTITY AND CLOUD CONFERENCE



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CRITICAL CHALLENGES FACING IDENTITY

1. 4 BILLION PEOPLE NOW ONLINE GLOBALLY

- Inclusion and access to services
- International portability issues

2. ASSERTING IDENTITY ONLINE REMAINS A SIGNIFICANT CHALLENGE

- Low efficiency for relying parties, and economic opportunity costs
- Poor customer experience

3. DIGITAL DATA SECURITY AND PRIVACY ARE INCREASING CONCERNS

- Over-reliance on global technology companies

4. DIGITAL IDENTITY SOLUTIONS ARE EMERGING – BUT SLOWLY, AND WITH SIGNIFICANT UNCERTAINTY



WHAT MAKES SELF-SOV SO SPECIAL?



WHAT MAKES SELF-SOV SO SPECIAL?

PRINCIPLE

EXISTENCE

CONTROL

ACCESS

TRANSPARENCY

PERSISTENCE

PORTABILITY

INTEROPERABILITY

CONSENT

MINIMALISATION

PROTECTION

1. SELF-SOVEREIGN IS A CHILD OF ITS TIME

- GDPR
- Growing distrust of Government and large corporations
- Powerful personal technology

2. REDUCES REGULATORY BURDEN

- Handling Personal Data is becoming ever more challenging

3. AN OPPORTUNITY TO BUILD A PROFILE OVER TIME

- Developing world and cross-border opportunities

4. COST EFFECTIVENESS

- Reduced need for € multi-million infrastructure



WHY SHARED LEDGER?

- 1. SHARED LEDGER CAN UNLOCK THE BENEFITS OF SELF-SOVEREIGN**

- Self-sovereign is technology agnostic, but shared ledger is symbiotic

- 2. A SHARED LEDGER HAS INHERENT REDUNDANCY**

- 3. CREATION OF AN IMMUTABLE RECORD**

- Identity and attribute data + a record of transactions and events

- 4. THE FORM OF THE LEDGER CAN BE ADAPTED TO THE USE**

- Permissioned vs permissionless ledgers

- 5. ENHANCED SECURITY AND PRIVACY**

- 6. INCREASING MARKET TRUST AND MATURITY**

A NEW DAWN FOR DIGITAL IDENTITY?

YES! and **NO...**

IDENTITY, OR TRUSTED ATTRIBUTES?



SO WHAT IS STILL NEEDED?

1. COMMON INTEROPERABLE STANDARDS

- Trusted events
- Attribute metadata

2. INDEPENDENT OVERSIGHT

- Conformance
- Trustmarks

3. REGULATORY CLARITY

- 5th Money Laundering Directive
- FAT F

4. MARKET MATURITY

Different use cases have differing identification requirements. **Can one digital identity approach meet every requirement?**

Digital identity delivers many envisaged benefits, so why is it **so difficult to deploy?**

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THANK YOU



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