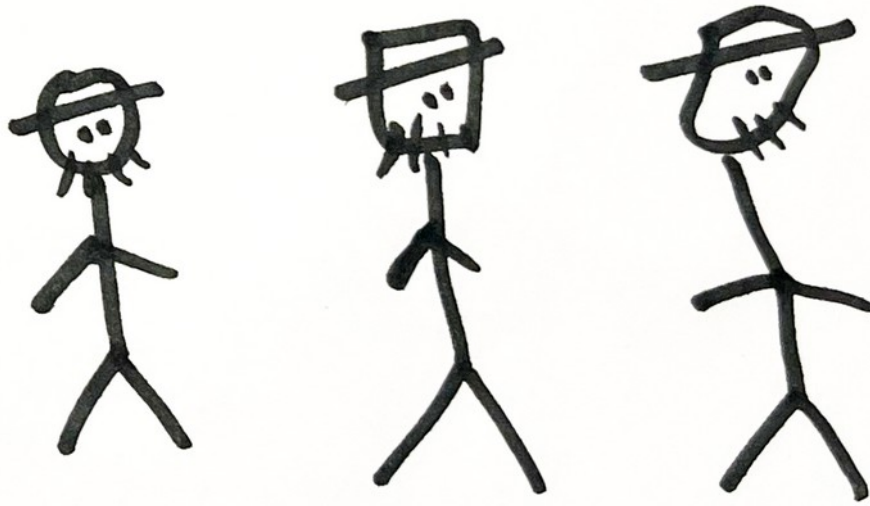
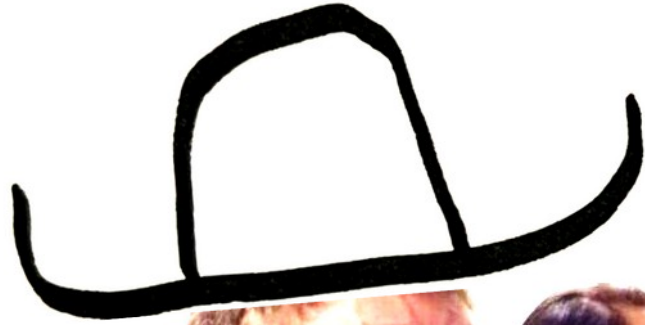




THE TRUST CHAIN ,
THE BLOCK CHAIN
& THE X509 CERT CHAIN



THE TRUST CHAIN, THE BLOCK CHAIN
& THE X509 CERT CHAIN
WALK INTO A BAR...



OMG!!

HOW AM I
GONNA PAY

THE ELECTRICITY
BILL NOW!?!

BAR TENDER

Forbes

EDITORS' PICK

Bitcoin Mining Uses As Much Power As Ireland. Here's Why That's Not A Problem

Christopher Helman Forbes Staff

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Jan 16, 2018, 04:11pm EST

This article is more than 5 years old.



WANTED



DEAD OR ALIVE

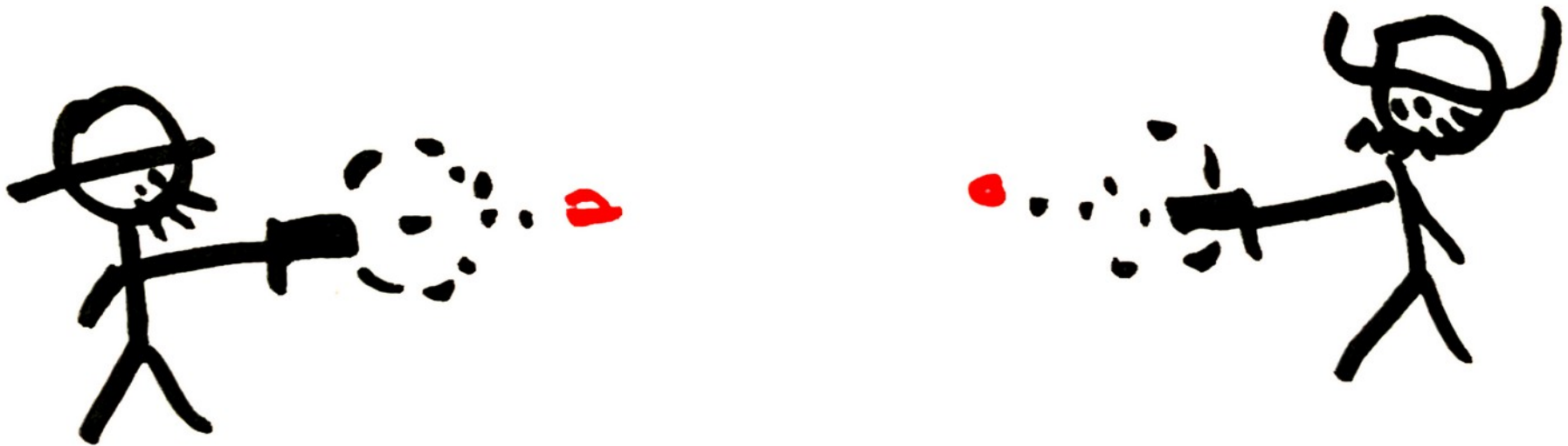
FOR CONSUMING
THE ELECTRICITY
OF IRELAND

CONNECT FEDERATION 1.0!

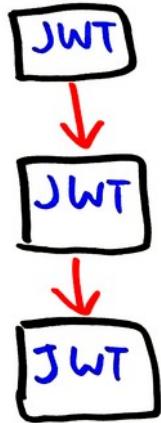
THE OPENID TRUST CHAIN

VS

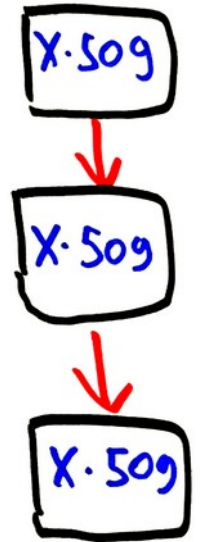
THE X.509 CERT CHAIN



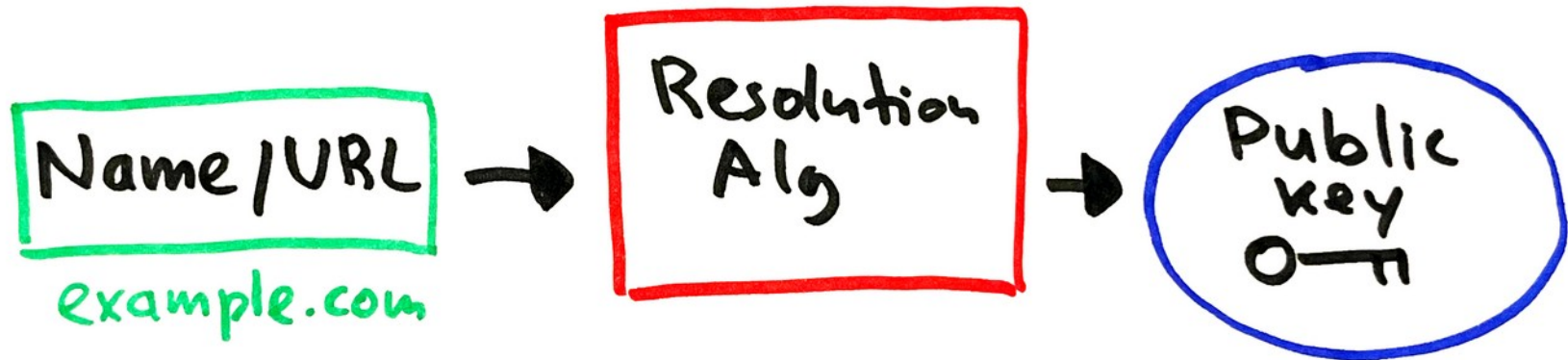
SECURING TRANSACTIONS ON THE INTERNET



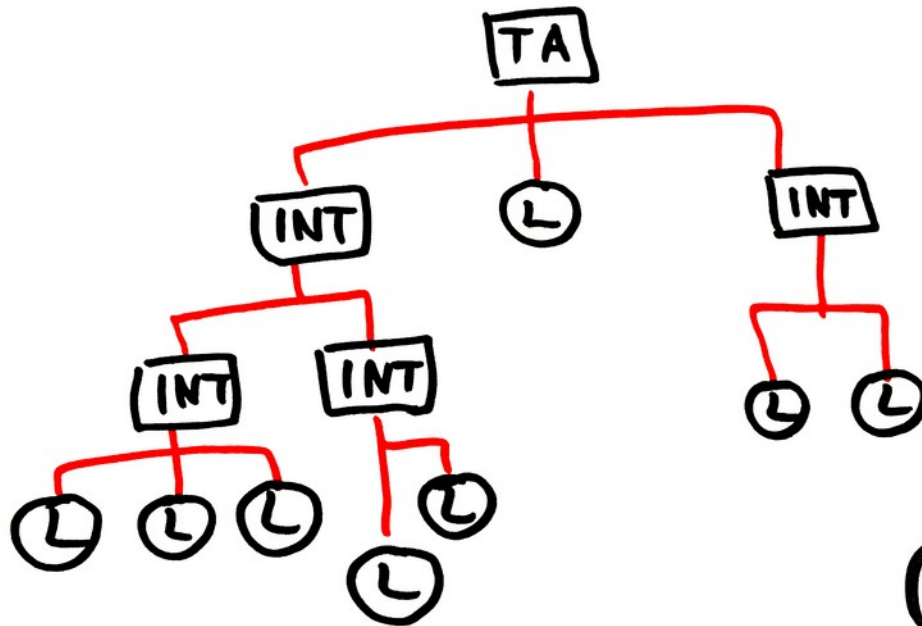
- ① PUBLIC KEY ATTESTATION
- ② REAL WORLD TRUST TOPOLOGIES
- ③ METADATA
- ④ PROTOCOLS & APIs



① PUBLIC KEY ATTESTATION



② REAL WORLD TRUST TOPOLOGIES

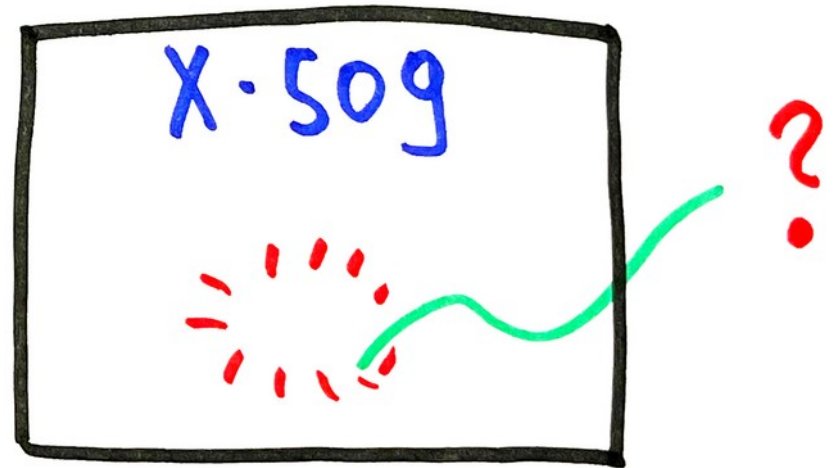
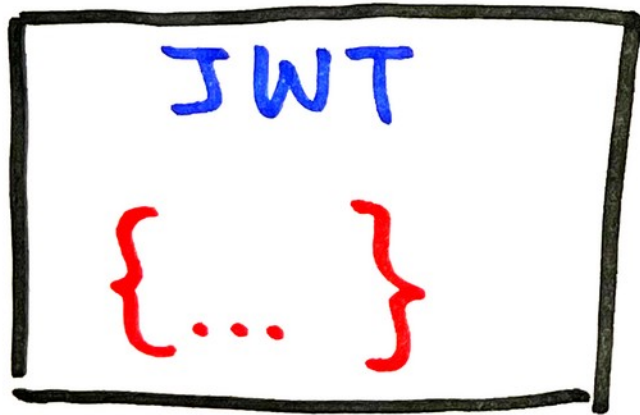


⑤ HIERARCHICAL

⑦ ACCREDITATIONS / TRUST MARKS

③ METADATA & POLICIES

FOR HIGHER-LEVEL AND
APPLICATION PROTOCOLS



④ PROTOCOLS & APIs

	TRUST CHAIN	X.509 CHAIN
PUSH	✓	✓
PULL	✓	✗
HYBRID	✓	✗

DELIVERY METHODS

④ PROTOCOLS & APIs

	trust chain	X.509 chain
① WELL-KNOWN URL	✓	✗
② FETCH STMT FROM AUTHORITY	✓	✗
③ LIST AUTHORITY SUBJECTS	✓	✗
④ RESOLUTION HELPER	✓	✗
⑤ TRUST MARK VALIDATION	✓	✗
⑥ QUERY AN AUTHORITY FOR EXPIRED OR REVOKED SUBJECT KEYS	✓	✗

THE SHOOT OUT

	trust chain	X.509 chain
① PUBLIC KEY ATTESTATION	1	1
② TRUST TOPOLOGIES	1	0.5
③ METADATA	1	0
④ PROTOCOLS & APIs	1	0
	<hr/>	
	4	1.5



QUESTIONS ?