

ZERO TRUST: PAST, PRESENT, AND FUTURE

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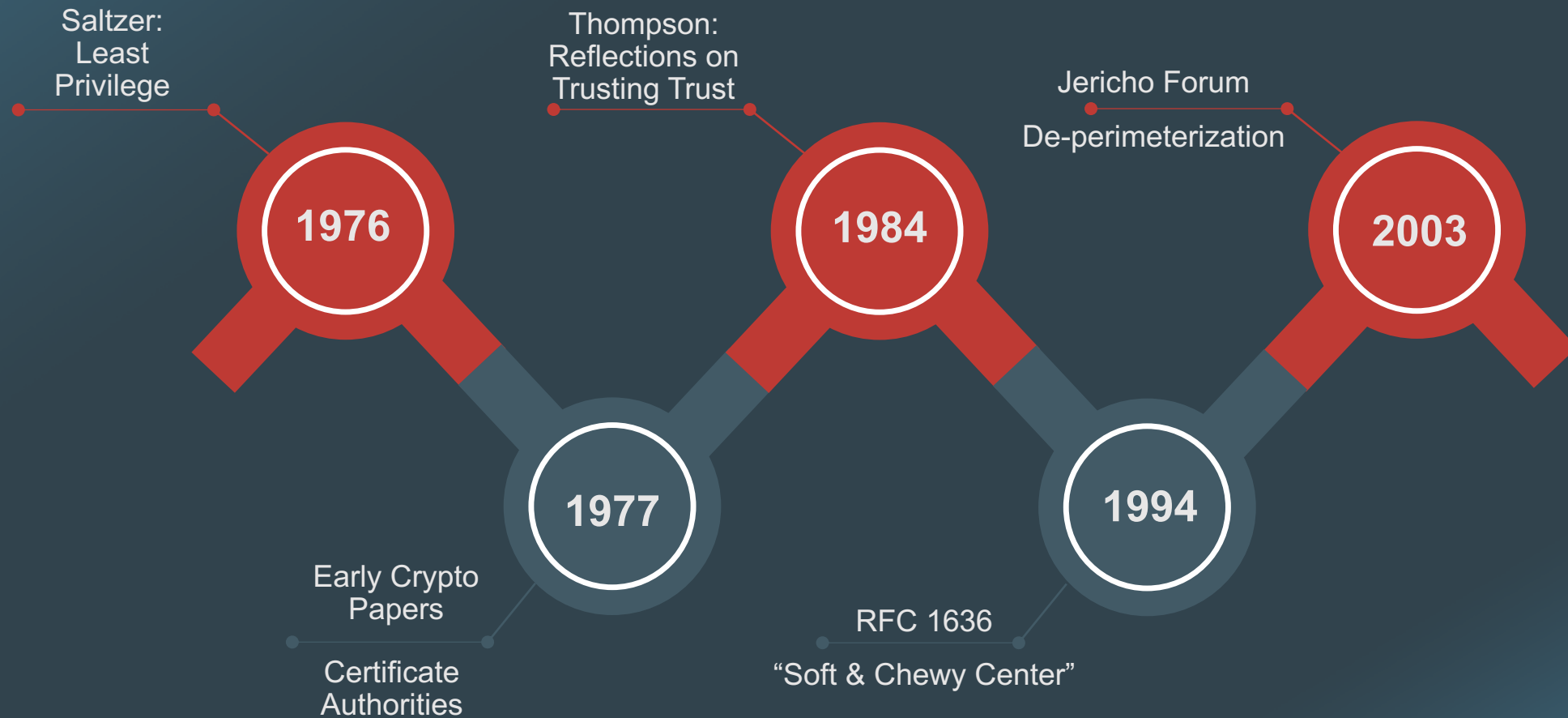
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TRUST
NEVER TRUST
ZERO BUT TRUST
ALWAYS VERIFY
VERIFY

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ZERO TRUST

NOVEL NAME | ESTABLISHED CONCEPT



ZERO TRUST

CONCEPTS | APPROACHES

ALL RESOURCES ACCESSED
IN SECURE MANNER
REGARDLESS OF LOCATION

Strong Authentication, Risk Engine

ACCESS CONTROL IS ON A
NEED TO KNOW BASIS AND
IS STRICTLY ENFORCED

Least Privilege, Identity Governance
& Lifecycle, VLANs, Software-defined
infrastructure

INSPECT AND LOG
ALL TRAFFIC

Monitoring Solutions (Network logs &
packets, endpoint, cloud / SaaS /
PaaS, IoT, etc.)

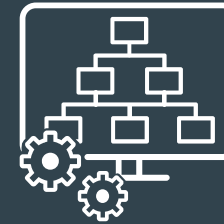
ZERO TRUST

JOURNEY OR DESTINATION?



DEVICES

“Never Trust” seems impossible



INFRASTRUCTURE

“Always Verify” seems impossible

IS IT BETTER TO AIM FOR A MEANINGFUL REDUCTION IN THE “TRUST SURFACE”?

REDUCING TRUST SURFACE

WHAT SHOULD ONE DO IN PRACTICE?



UNDERSTAND BUSINESS REQUIREMENTS

- Some steps maybe harmful to the business
- **Example:** Client-side TLS and the eCommerce Vendor



TAKE RISK-ORIENTED APPROACH

- Focus on maximizing reduction in (overall) risk per dollar spent
- **Example:** eCommerce Vendor Browse versus Transact

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KEY TAKEAWAYS

- 1 | Zero Trust is a Mindset (not a product, framework, or strategy)
- 2 | The Underlying Philosophy is Decades Old
- 3 | Take Risk-Driven View to Reduce your Trust Surface leveraging a holistic portfolio of products and services

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