Cross Sector Digital Identity Project

Lessons Learned

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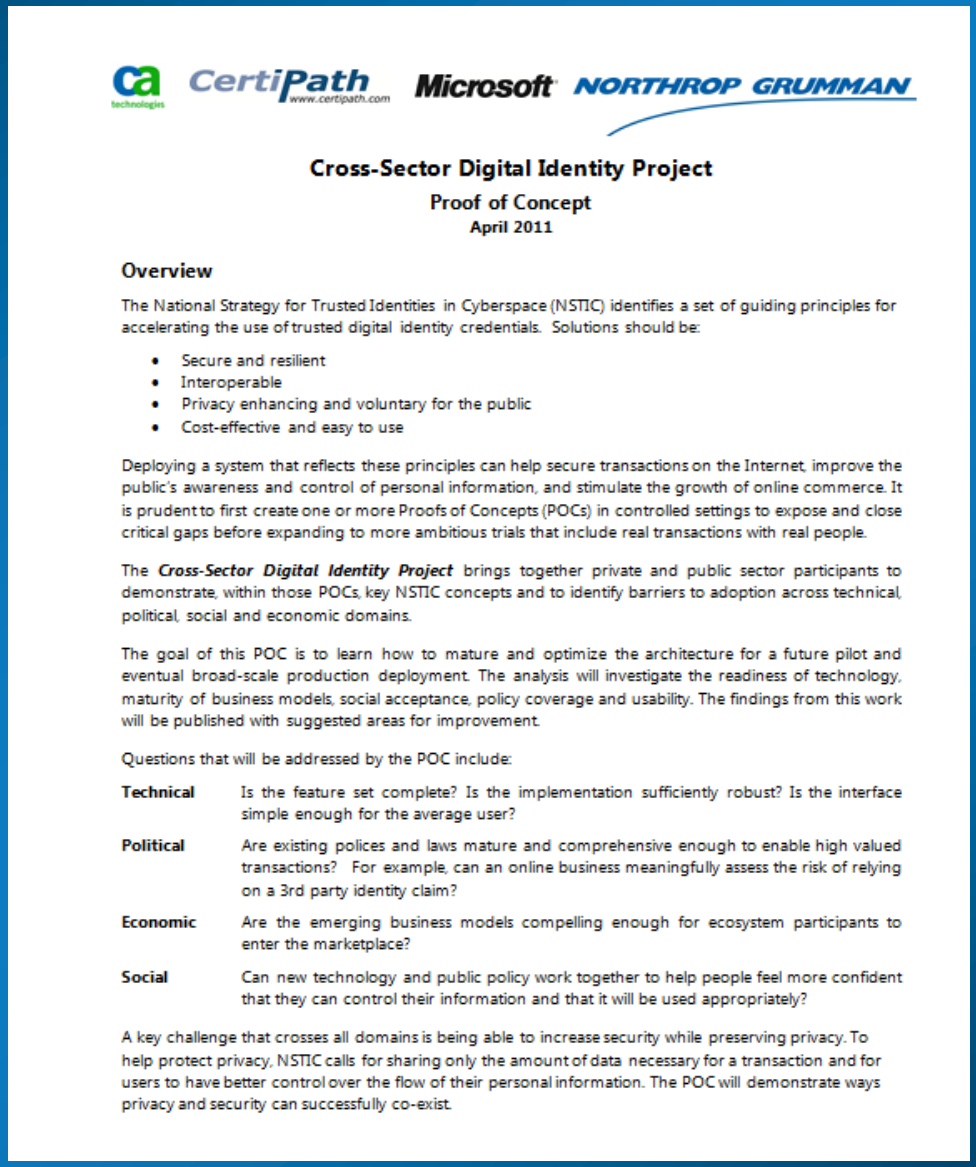
Identify Gaps, Multiple Domains



CertiPath www.certipath.com Microsoft NORTHROP GRUMMAN

Cross-Sector Digital Identity Project

Proof of Concept

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Overview

The National Strategy for Trusted Identities in Cyberspace (NSTIC) identifies a set of guiding principles for accelerating the use of trusted digital identity credentials. Solutions should be:

- Secure and resilient
- Interoperable
- Privacy enhancing and voluntary for the public
- Cost-effective and easy to use

Deploying a system that reflects these principles can help secure transactions on the Internet, improve the public's awareness and control of personal information, and stimulate the growth of online commerce. It is prudent to first create one or more Proofs of Concepts (POCs) in controlled settings to expose and close critical gaps before expanding to more ambitious trials that include real transactions with real people.

The ***Cross-Sector Digital Identity Project*** brings together private and public sector participants to demonstrate, within those POCs, key NSTIC concepts and to identify barriers to adoption across technical, political, social and economic domains.

The goal of this POC is to learn how to mature and optimize the architecture for a future pilot and eventual broad-scale production deployment. The analysis will investigate the readiness of technology, maturity of business models, social acceptance, policy coverage and usability. The findings from this work will be published with suggested areas for improvement.

Questions that will be addressed by the POC include:

Technical	Is the feature set complete? Is the implementation sufficiently robust? Is the interface simple enough for the average user?
Political	Are existing polices and laws mature and comprehensive enough to enable high valued transactions? For example, can an online business meaningfully assess the risk of relying on a 3rd party identity claim?
Economic	Are the emerging business models compelling enough for ecosystem participants to enter the marketplace?
Social	Can new technology and public policy work together to help people feel more confident that they can control their information and that it will be used appropriately?

A key challenge that crosses all domains is being able to increase security while preserving privacy. To help protect privacy, NSTIC calls for sharing only the amount of data necessary for a transaction and for users to have better control over the flow of their personal information. The POC will demonstrate ways privacy and security can successfully co-exist.

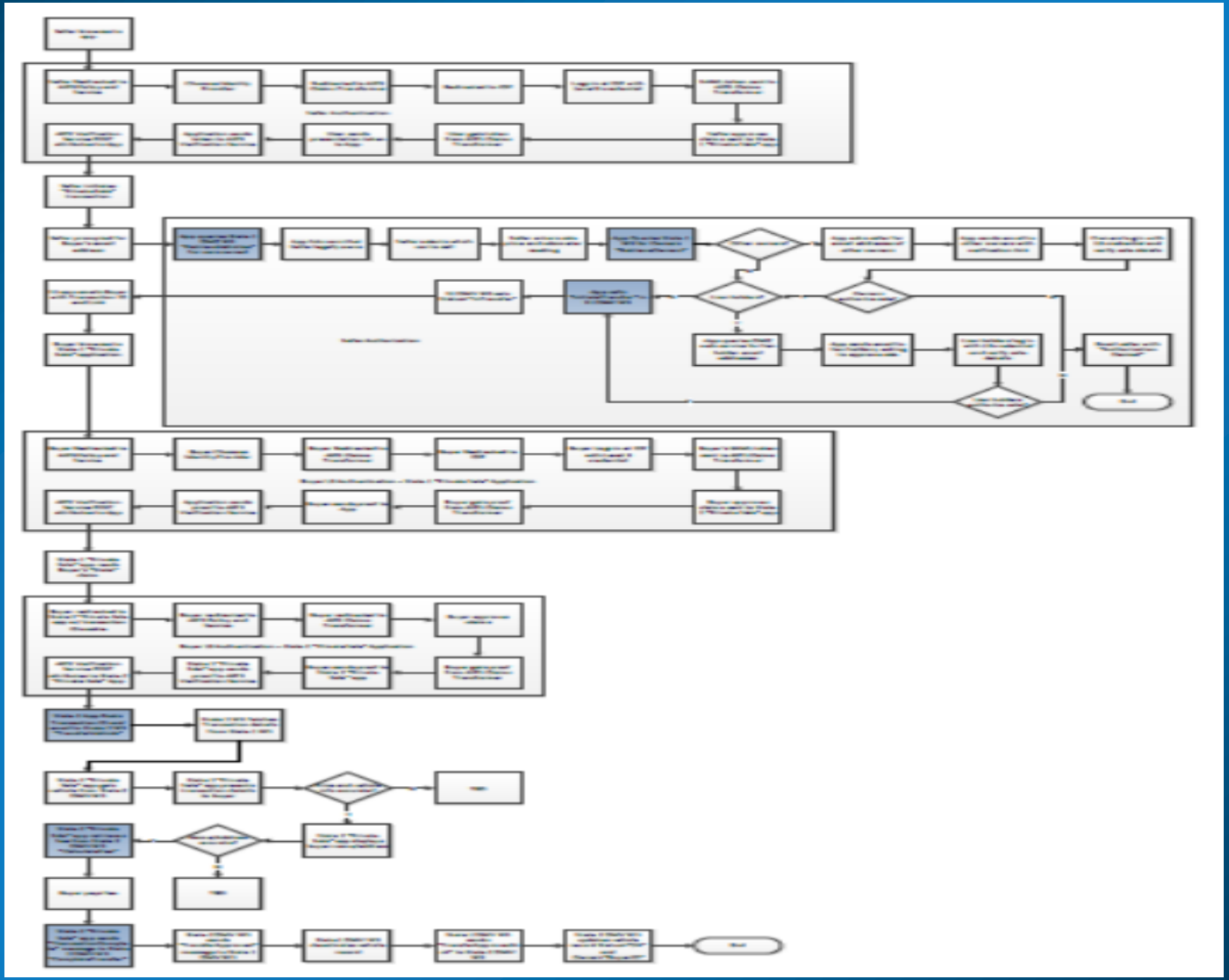
V1 Team

- Lead: Commonwealth of Virginia
- Industry Partners
  - Big Bank
  - CA Technologies
  - Microsoft
  - Northup Grumman
  - US Post Office

Use Case V1

- Casual Sale of Vehicle across state lines
- Public Idp, Public RPs
- Chosen to demonstrate value to MVAs
- MIA: Private Idp, Private RP

Private Sale Workflow



V2 Team

- Lead: Commonwealth of Virginia
- Industry Partners
  - BioSig
  - CA Technologies
  - Microsoft
  - Northup Grumman
  - Verizon

Use Case V2

- Mortgage Closing?
- Remote E-Notary
- Add Private IDPs
- Add Private RPs
- Smoke test Privacy Service