



Rhode Island Leads on Digital Identity

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Secretary of Commerce

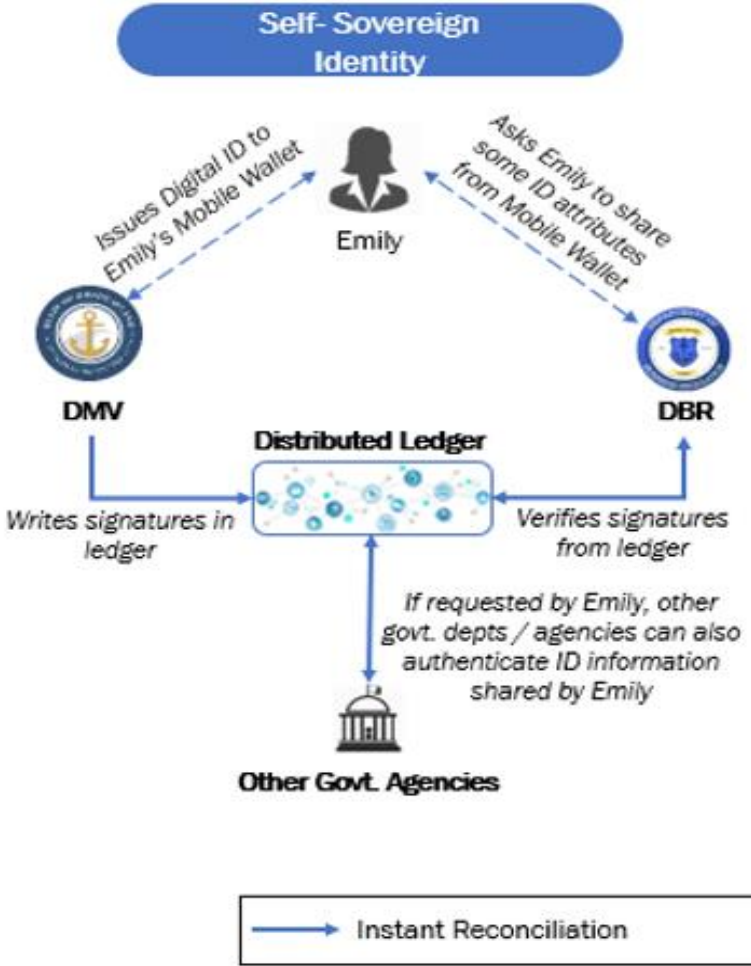
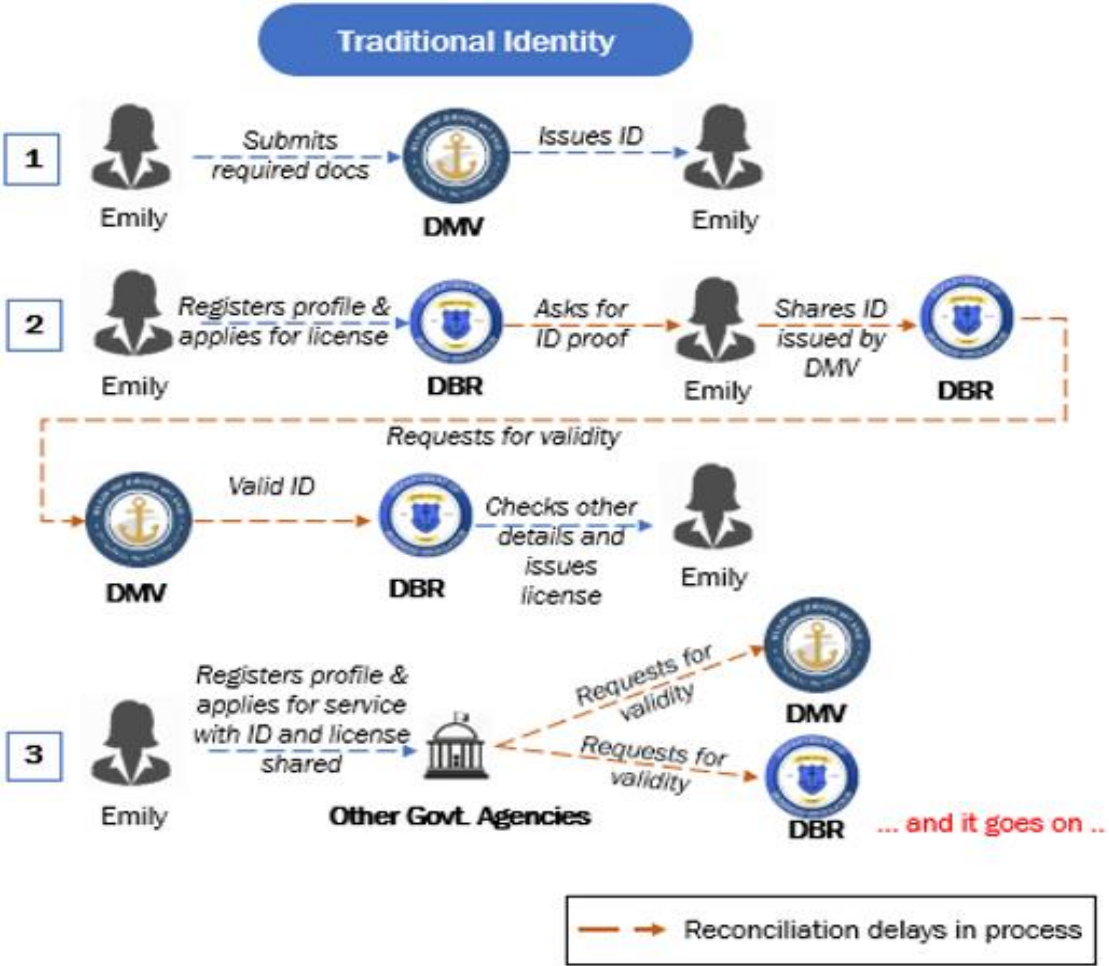
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Rhode Island's Journey

- About me: Hired to make it easier to do business – cut the red tape
- I'm a government person- not tech
- Looked at 100+ governments
- Discovered European models:
 - Single location for a whole process
 - Single entry and identification
 - Multiple governmental agencies
- Set out to solve a problem: CPA's
- Procurement led to POC and Pilot

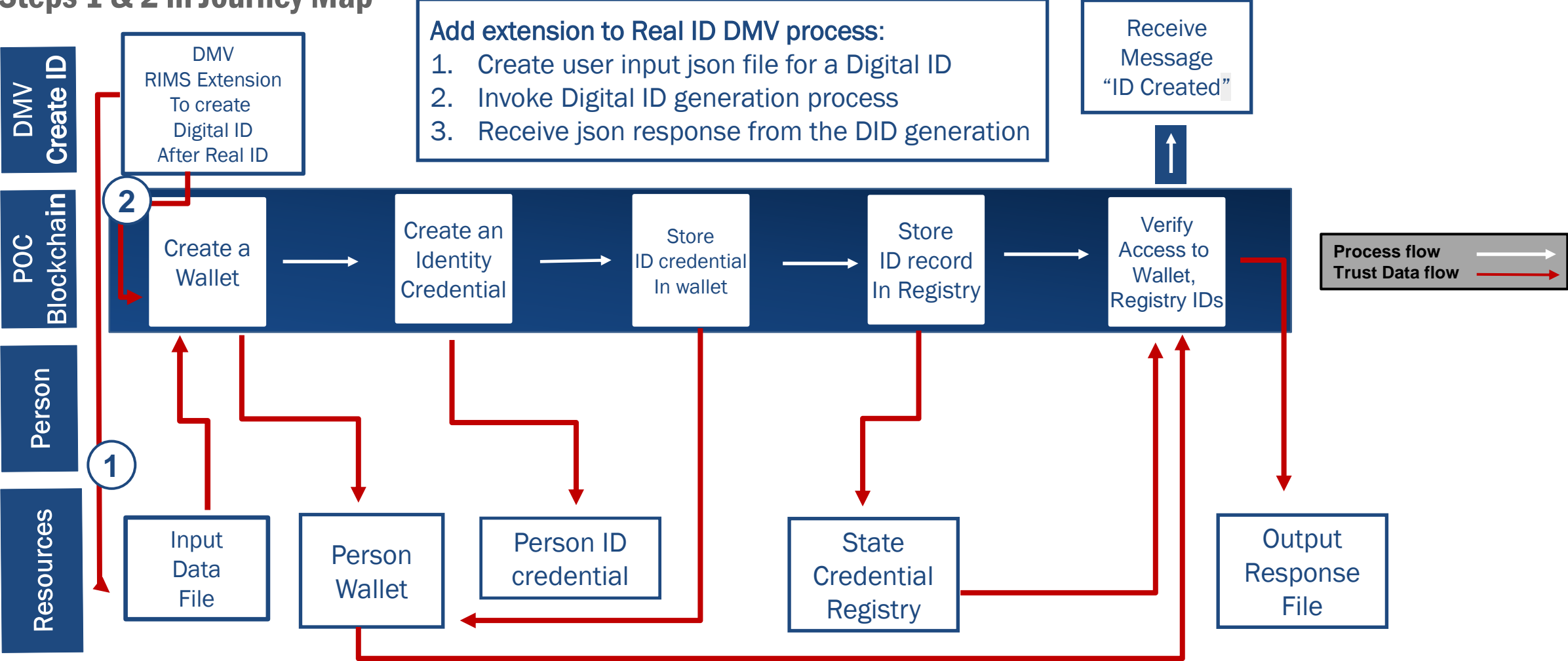


Identity Blockchain Value for an Accountant License



DMV Identity Creation on Blockchain POC

Steps 1 & 2 in Journey Map



Use Case – Issuing State Identity and CPA license

Ideal Journey Map

1. DMV issues State ID card
2. The ID gets stored in User's wallet
3. User applies for CPA license
4. DBR requests for validation of the applicant's identity
5. User as a credential holder approves the verification requests via mobile app
6. DBR can independently verify the identity card issued by DMV
7. After verification, DBR issues CPA license which is stored in User's wallet
8. After verification, DBR issues CPA license which is stored in User's wallet
9. Post this step, public users can search in DBR's portal to check the accountant's license validity
10. Other stakeholders get onboarded onto the network – DBR can independently verify credentials by repeating process

Note: DBR and DMV validate trustworthiness and authenticity of the credentials and identity documents submitted by applicants while issuing CPA licenses in a secured and controlled manner

Rhode Island Blockchain POC Project

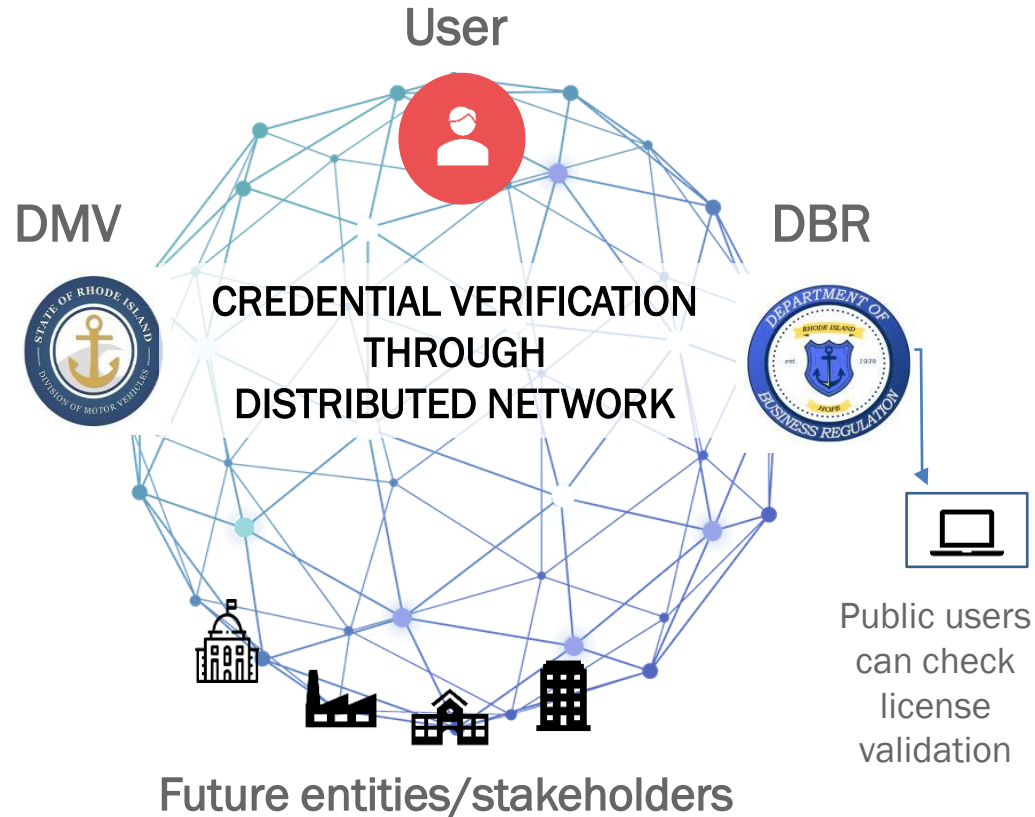
Expected Long-Term Impacts

- Digital identities meet privacy and compliance regulations
- Improve provenance and validity of identity credentials
- Foundation for automated trust relationships for individuals and organizations in the State
- Contactless, electronic process
- Automatic enablement of revocation process for credentials
- Expected integration with agencies outside State



Use Case – Simplifying Business Registration

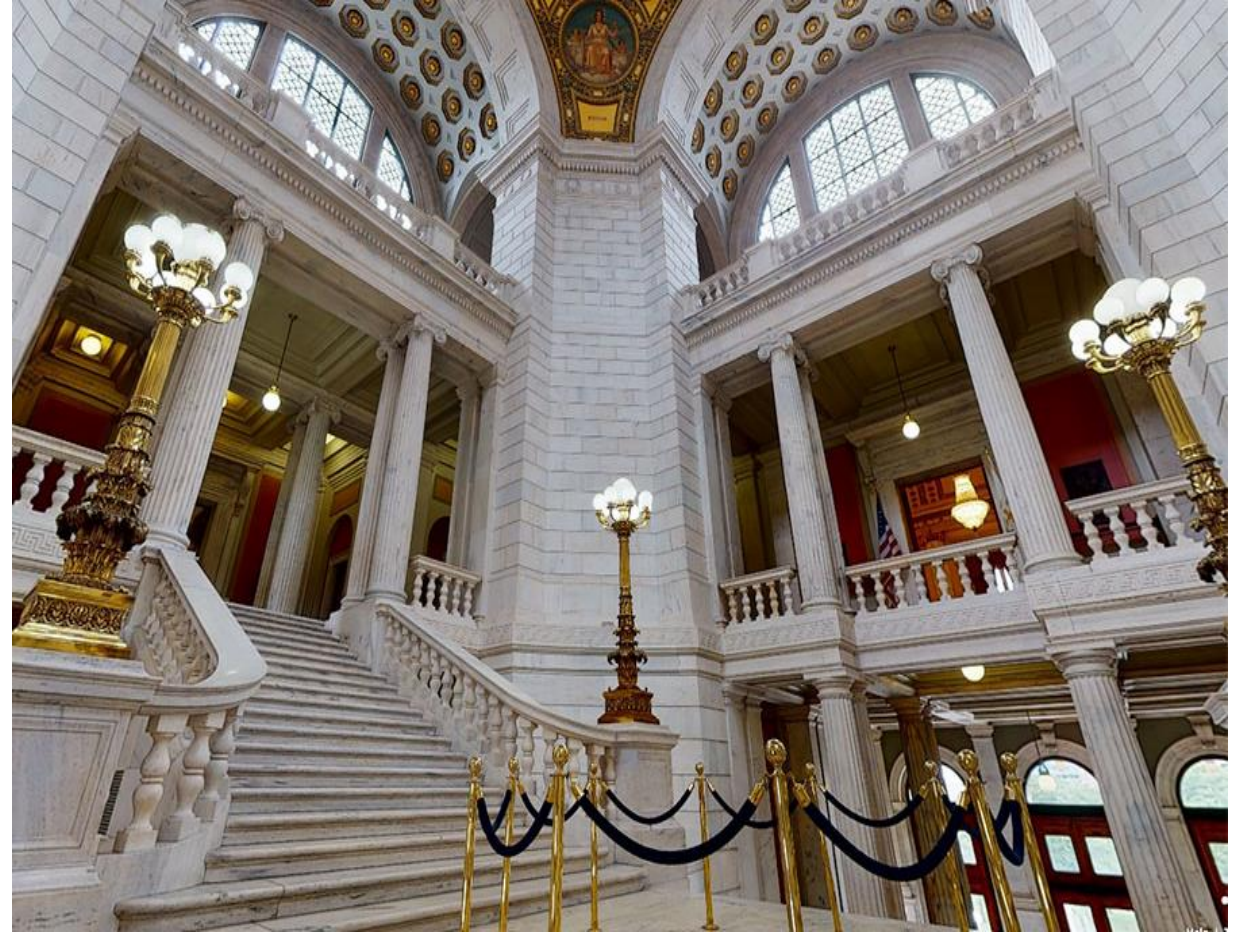
Contactless, Self Sovereign Identity Solution



- Next steps:
 - Secretary of State's office
 - Dept. of Labor and Training
 - Division of Taxation
 - Municipalities
- Funding request/Opening a Restaurant:
 - Dept. of Health
 - Other restaurant related agencies

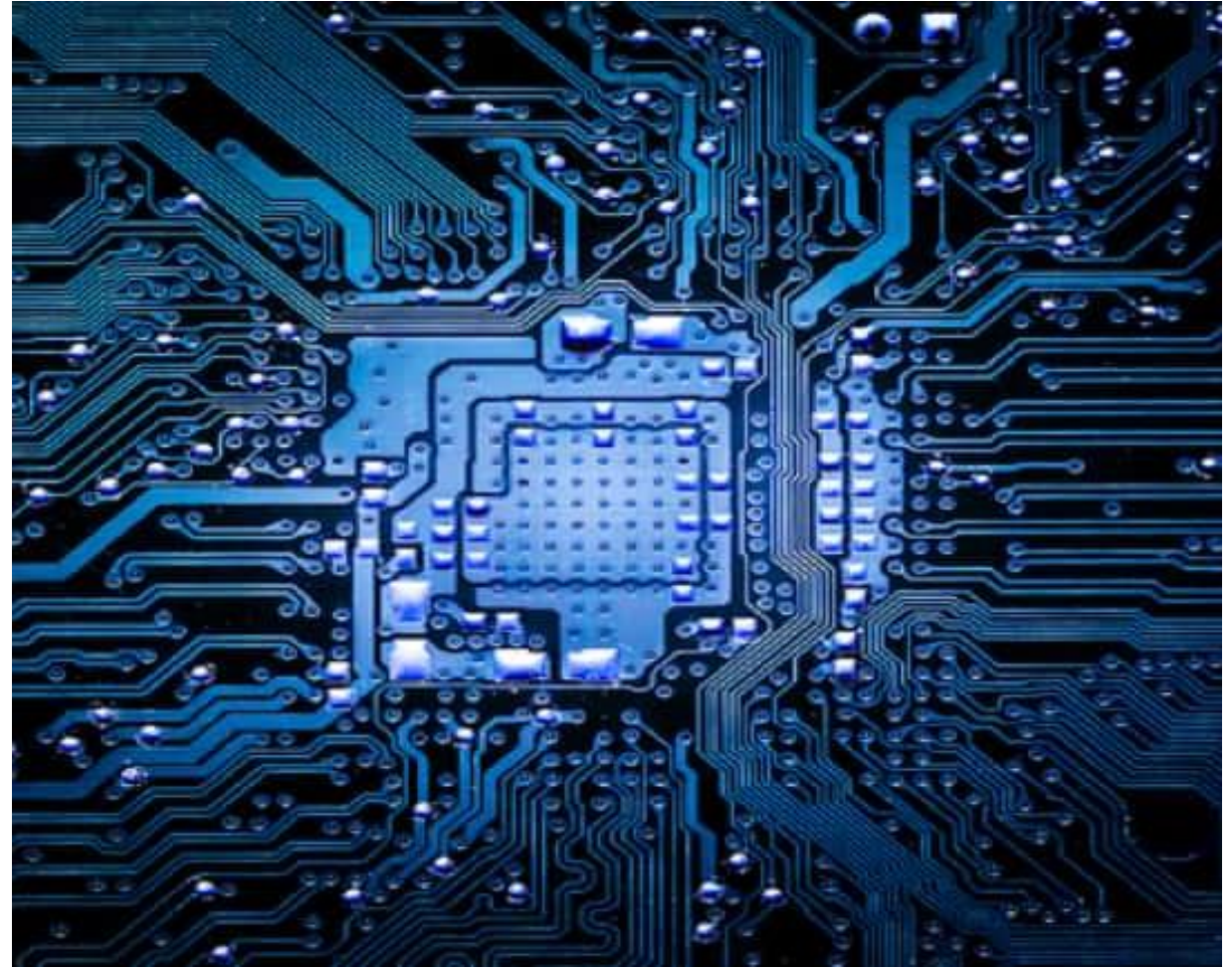
Strategies to Turn Opportunities into Reality

- To say blockchain or not to say- that is the question
- Leadership from the top
- IT and other agency support is critical
- Find problems to solve
- Get external experts, internal supporters
- Set an expectation
- Funding/Legislators
- Share the successes



IT Opportunities with Government

- Use common language
- Tell me what it actually does
- Consider a section just for non-IT folks
- Give examples – not just broad strokes
- How does this save the state:
 - Time
 - Money
 - Hassle from employees/unions
 - Customers



Roadmap: How to Get to a Digital Government

1. Convert paper forms to electronic
2. Choose a couple of good software options for everyone to use
3. Connect the software to a single identity and create a data bank
4. Put it all on blockchain (???)



Questions?

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Rhode Island's Roadmap

Our Next Steps

1. Fund the Production Pilot
2. Define the Production Pilot solution
3. Create stakeholder workgroup to guide the Pilot
4. Review & validate the Pilot design with the workgroup
5. Build the Pilot solution
6. Deploy and test the Pilot solution with the beta users
7. Get Pilot feedback from beta users for improvements
8. Review latest SSI DID and VC technology improvements
9. Define Production solution requirements
10. Fund the Production solution
11. Delivery the Production solution



Challenges for a Production Solution

- How do you reach all legal residents over 18? younger?
- How to use custodial and non-custodial wallets?
- How to best leverage existing and new digital systems?
- How to make state apps accessible with new identity?
- How to easily recover lost digital identity credentials?
- How to ensure authentication accuracy on access?
- How to future-proof solution for stronger privacy laws?
- How to deliver better security than wallets provide?
- How to simplify learning and use for users?
- How to simplify digital process design for use cases