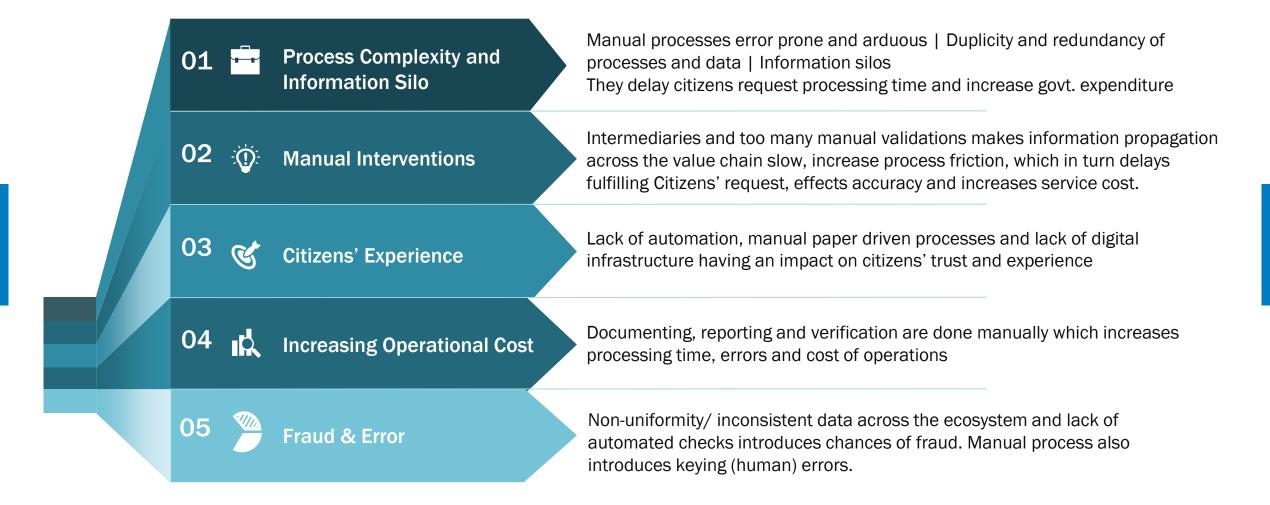


# CHALLENGES GOVERNMENT ECOSYSTEMS AROUND THE WORLD FACE





# HOW BLOCKCHAIN CAN ADDRESS SOME OF THESE CHALLENGES?



### **DECENTRALIZED**

Eliminate the requirement for centralized authorities to store the data at one single location.



#### **AUTOMATED**

The cryptographic verification of information replaces human interventions thus reducing chance of unforced errors and increasing transparency



#### **PRIVACY**

Enables user to have the control on privacy of their information, including minimal, selective, and progressive disclosure of attributes or other data.



### **SECURITY**

Transparent and secured sharing of identity information



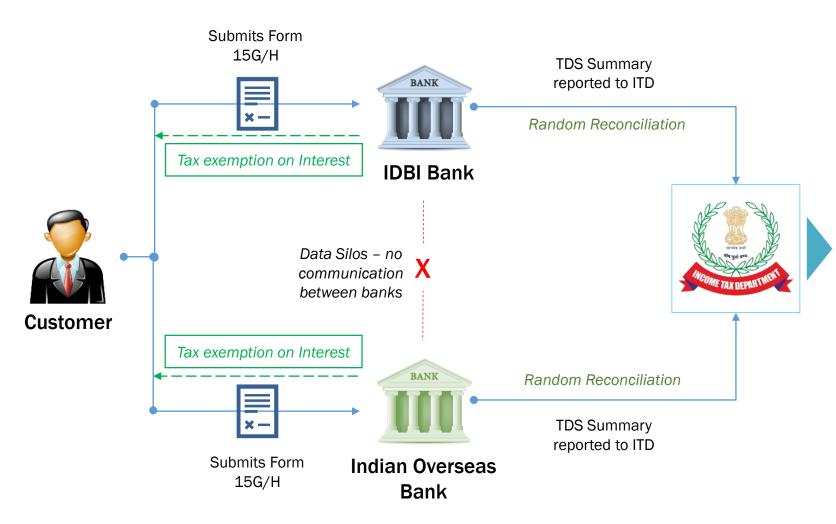
# SELECTIVE DISCLOSURE OF INFORMATION

ZKP allows for verification to occur with minimal data exposure



# CASE STORY 1: INDIAN INCOME TAX EXEMPTION CERTIFICATE

**BEFORE** 

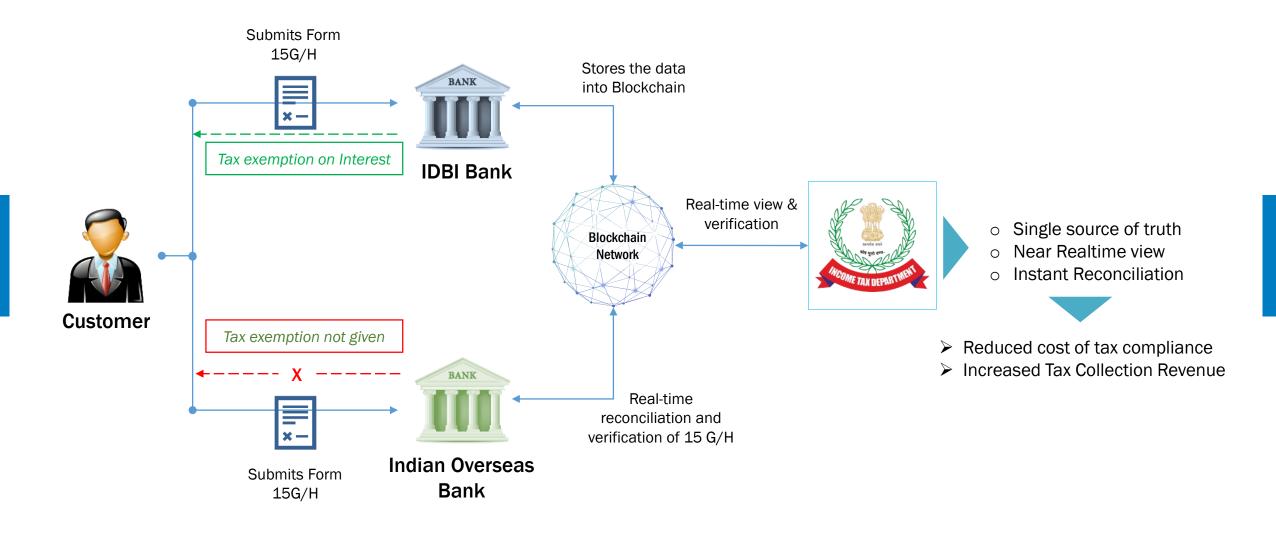


- High income earners remain outside the tax net
- Interest loss on tax revenue from the ones who submit returns
- Litigation costs for demands that get challenged



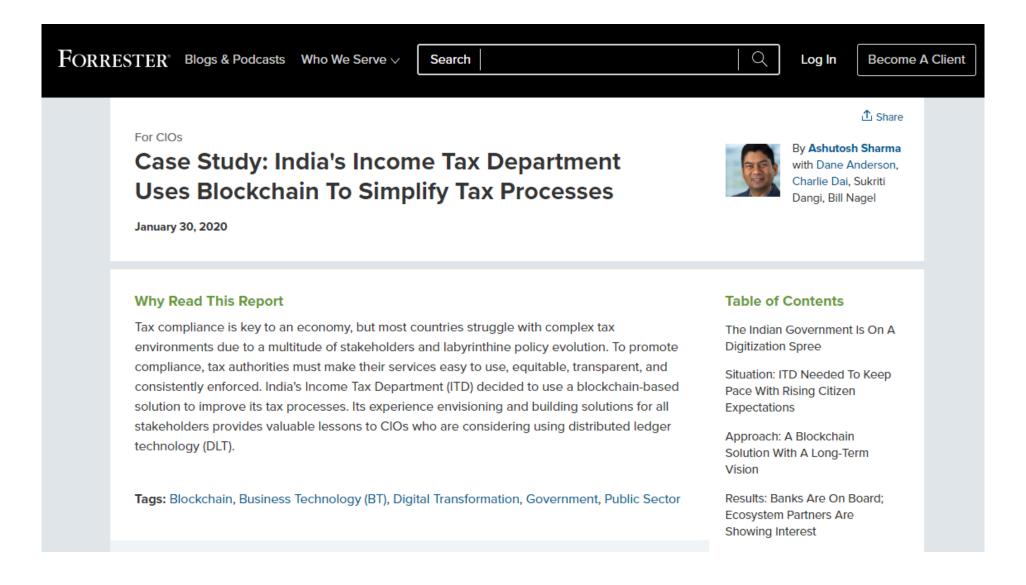
# CASE STORY 1: HOW BLOCKCHAIN ASSURES PROPER TAXATION







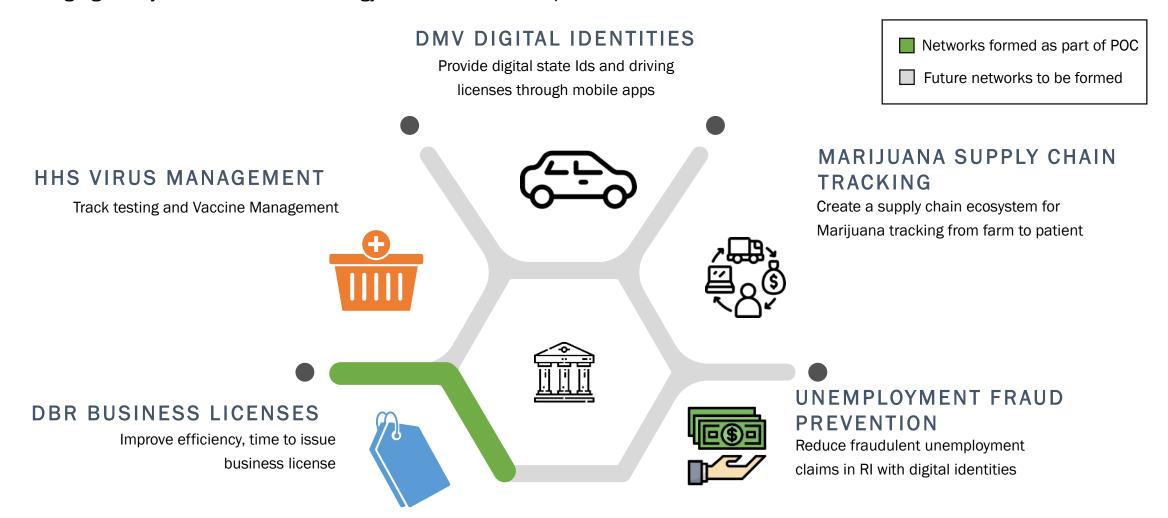
### CASE STORY 1: FORRESTER CASE STUDY





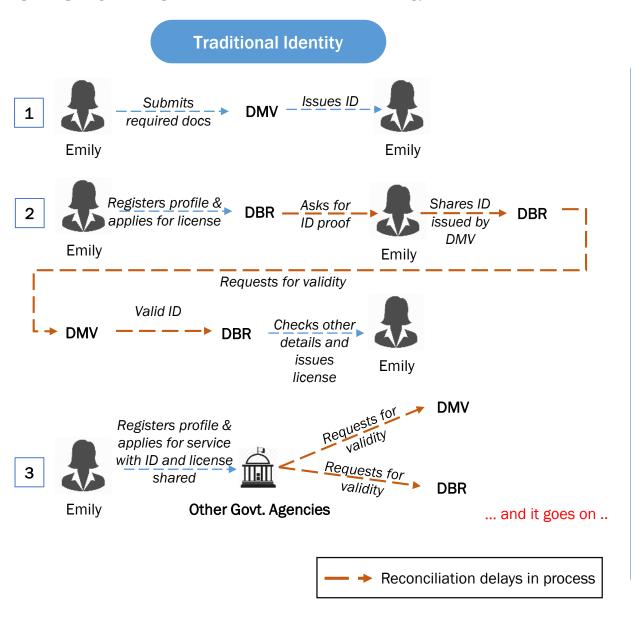
# CASE STORY 2: USE CASES EVALUATED FOR A STATE GOVERNMENT IN USA

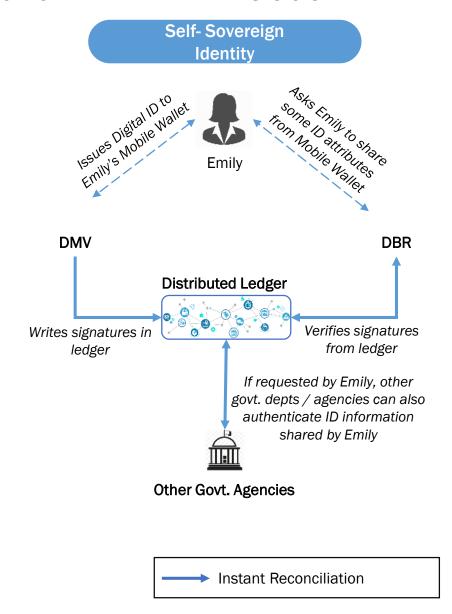
Leveraging Infosys' blockchain technology accelerators for a quick Go-To-Market





### CASE STORY 3: IDENTITY MANAGEMENT WITH BLOCKCHAIN - EMILY'S JOURNEY

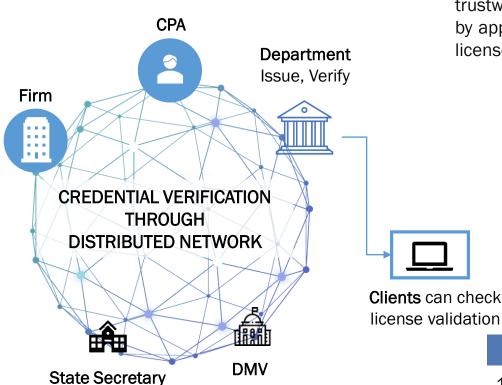




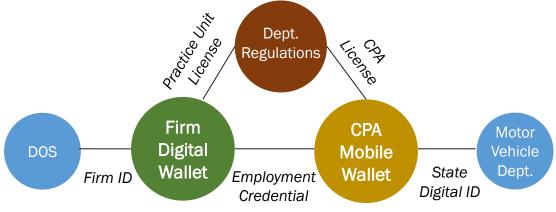


### CASE STORY 3: SUMMARY OF IDENTITY AND LICENSE MANAGEMENT ON BLOCKCHAIN

(CONTACTLESS, SELF SOVEREIGN IDENTITY SOLUTION)



Enabling a US State Business Regulations department to dynamically validate trustworthiness and authenticity of the credentials and identity documents submitted by applicant individuals or organizations while issuing CPA licenses and Practice Unit licenses respectively in a secured and controlled manner.



- ✓ Blockchain does not store the user's data or information. Instead, the public DID of issuers/verifiers, credential schema, definitions and revocation registries get stored into the blockchain
- ✓ PII (personally identifiable information) will be stored in Users' mobile wallets not on blockchain and user can selectively choose which credentials to be shared with whom

### Services Use Cases

- 1. Individual Digital ID
- 2. Firm Digital Id
- 3. Practice Unit License
- 4. CPA License
- 5. CPA employment Verification

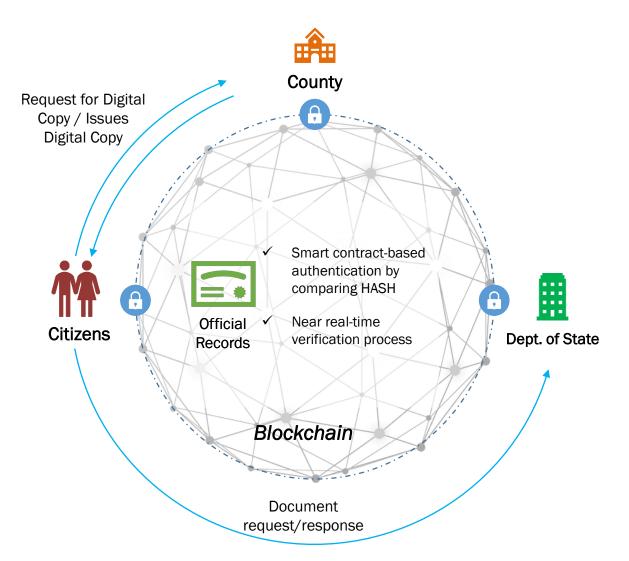
### **Payoffs**

- 1. User Control
- 2. Easy Sharing
- 3. Secured Data access
- 4. Trust Automation
- 5. Data validation and consolidation



### CASE STORY 3: OFFICIAL RECORDS VALIDATION FOR A US COUNTY

(SECURED, CONTACTLESS SOLUTION)



#### What?

Enabling government departments in a county in North America to dynamically validate trustworthiness and authenticity of the certificates (Official Records) submitted by applicants in a secured and controlled manner

#### How Blockchain solves it?

- Smart Contract authenticates Official Records by comparing HASH
- Validates the authenticity of the issued documents to minimize frauds

#### Benefits delivered

- ✓ Near real time authentication
- ✓ Lowers risk of approving fake Official Records by implementing better transparency in the system



