

Technologies and smart solutions for land management



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Second Arab Land
Conference

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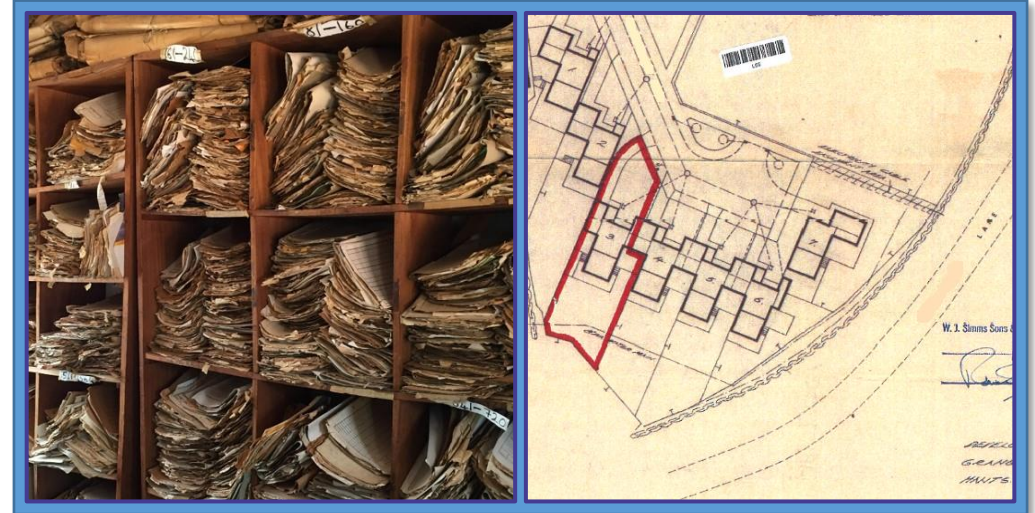
Moving to the Smart Land Registry as a fundamental underpinning for adopting blockchain

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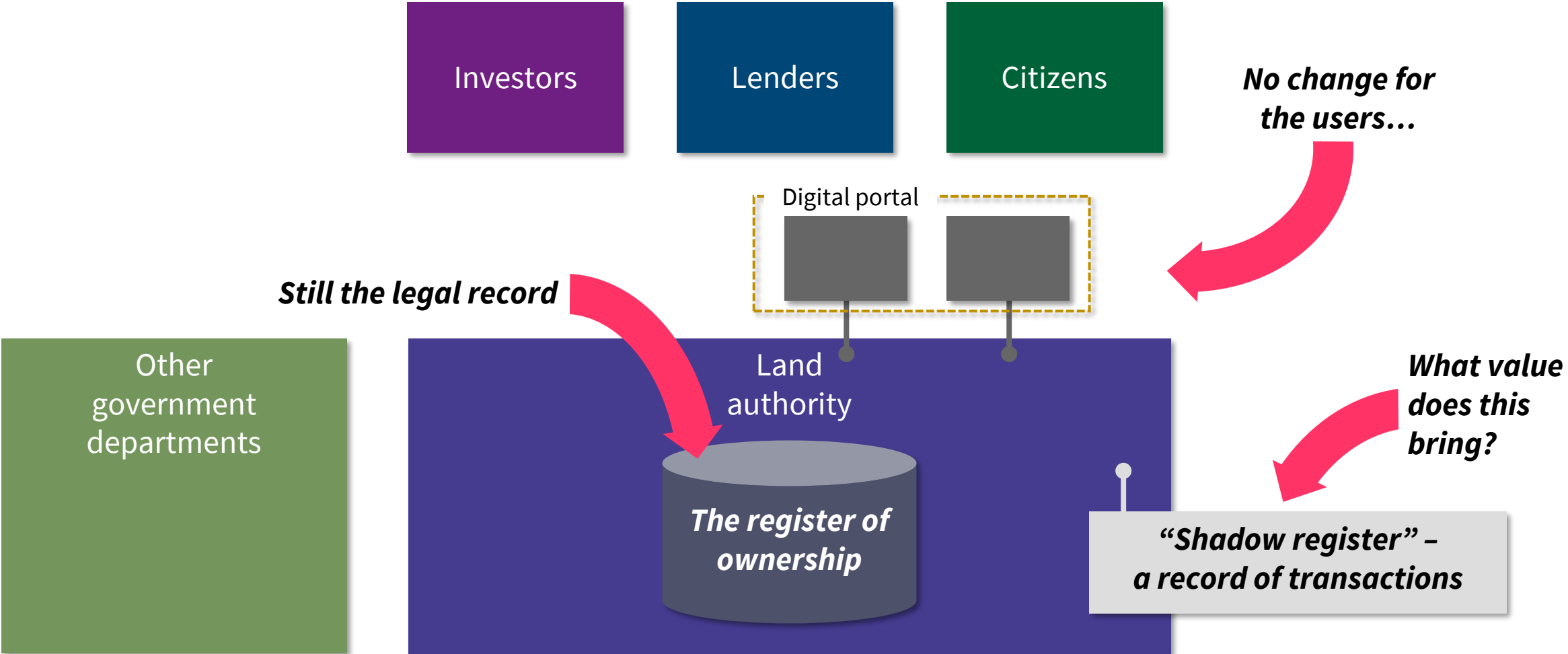
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MOVING TO THE “SMART LAND REGISTER”

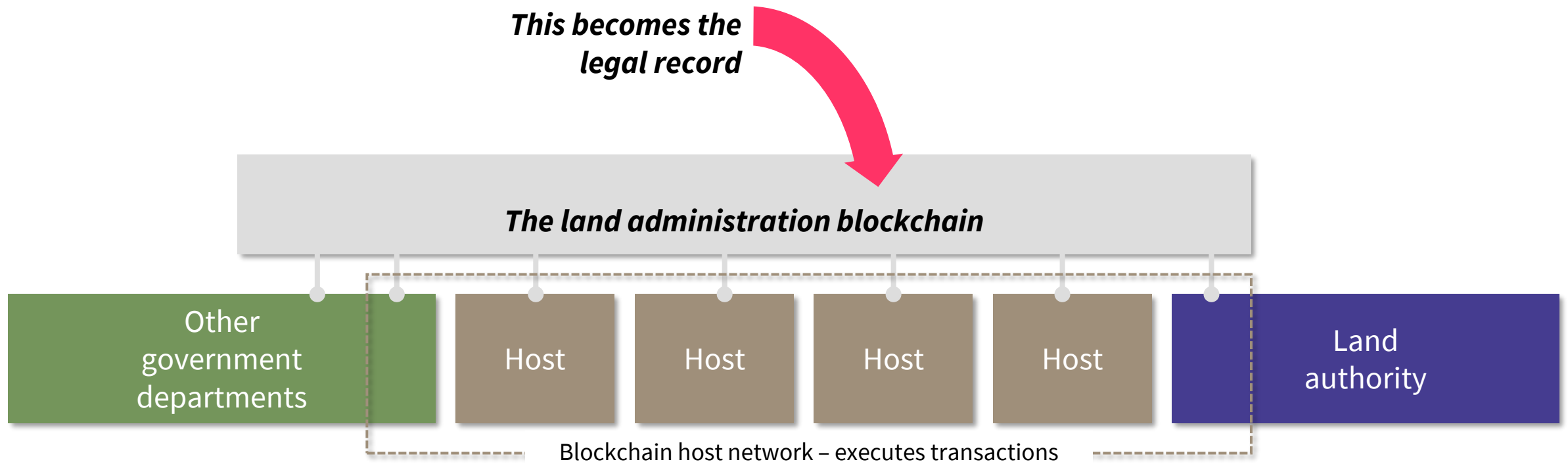
- Codification of rights and accurate spatial representation of parcels and RRRs
- Formal management of change to the register
- Well defined identity for citizens and legal entities
- Citizen facing digital services
- Enabling software-driven land transactions
- Ease registration process increasing take-up – esp. from informal tenures



BLOCKCHAIN USED AS THE SHADOW REGISTER

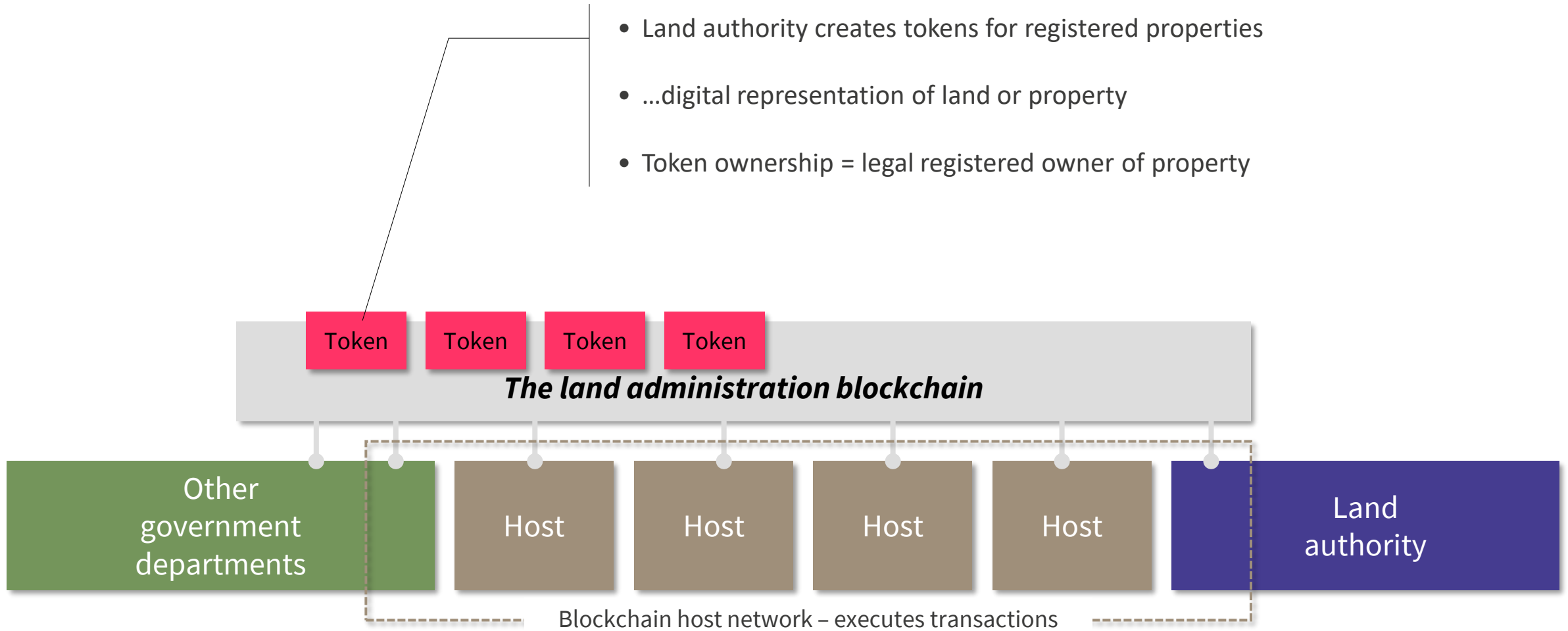


A BLOCKCHAIN BASED LAND AUTHORITY



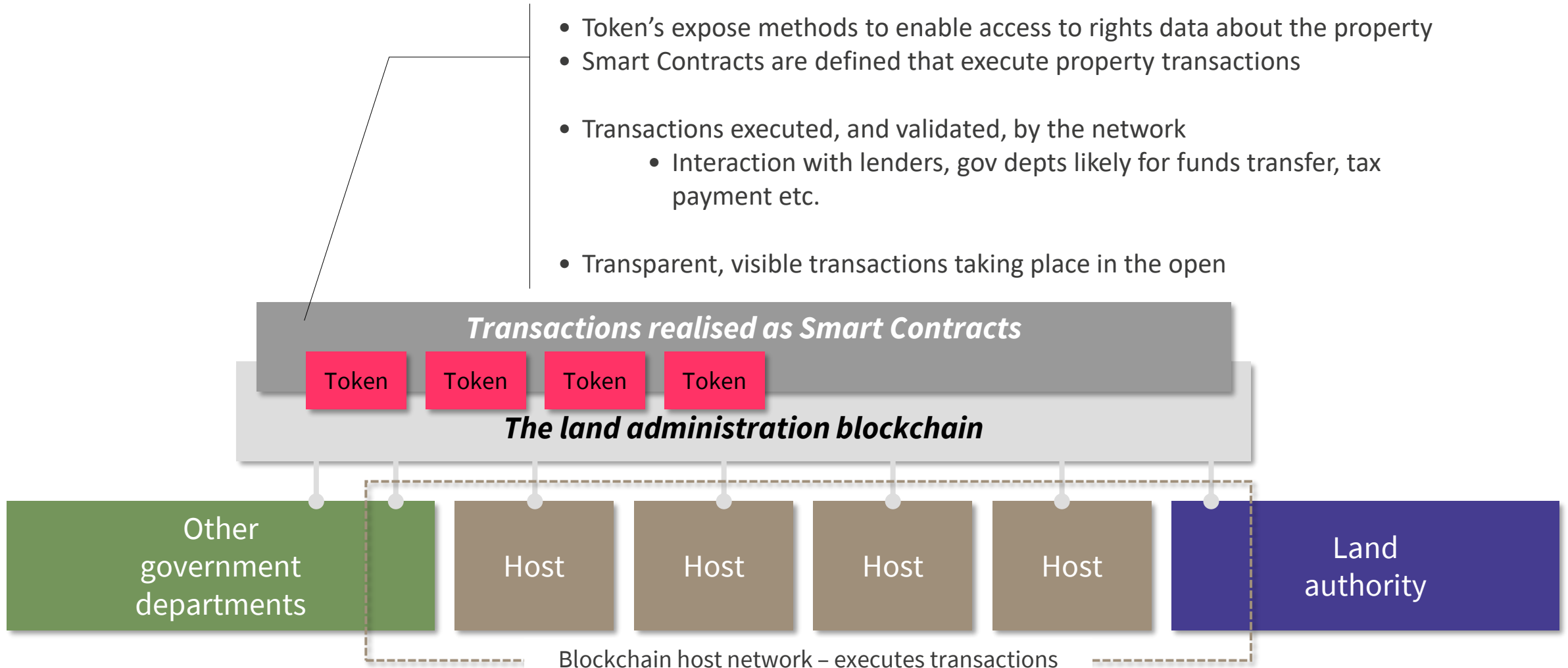
A BLOCKCHAIN BASED LAND AUTHORITY

- Land authority creates tokens for registered properties
- ...digital representation of land or property
- Token ownership = legal registered owner of property

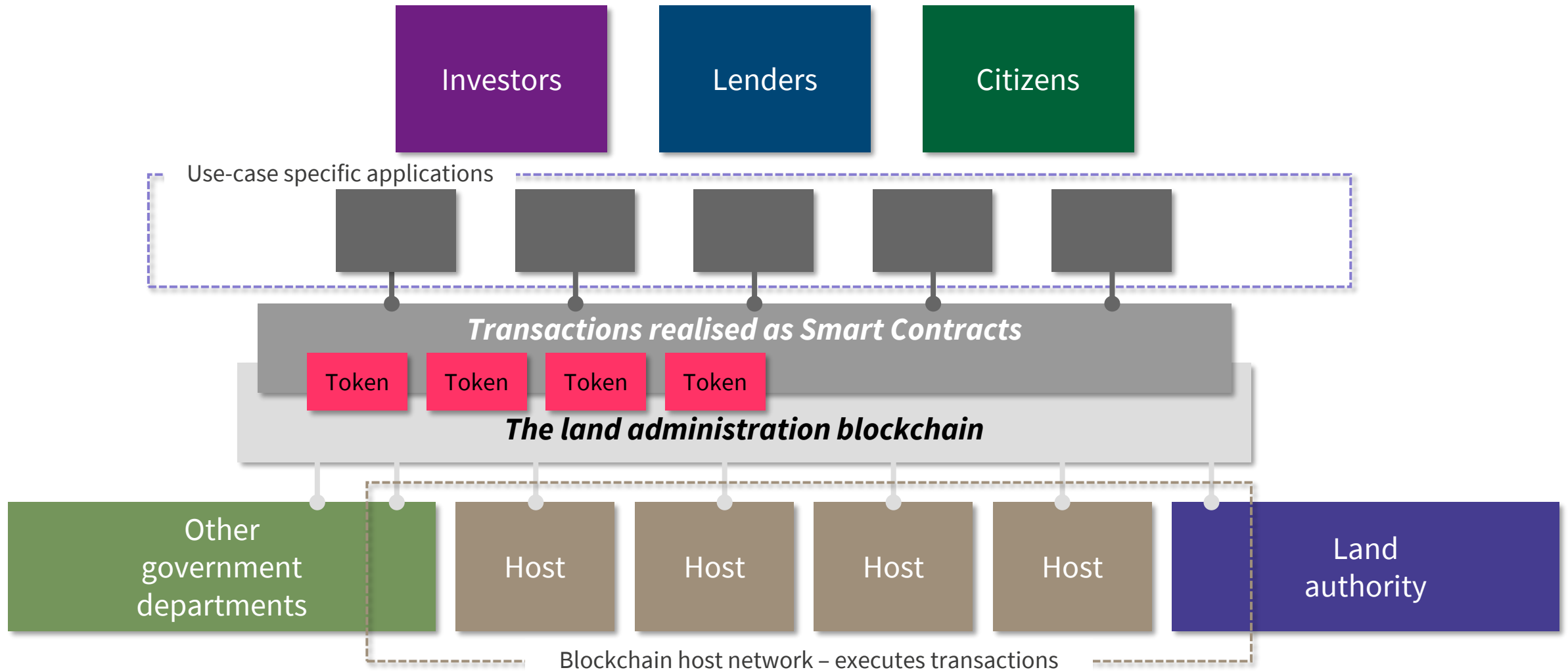


A BLOCKCHAIN BASED LAND AUTHORITY

- Token's expose methods to enable access to rights data about the property
- Smart Contracts are defined that execute property transactions
- Transactions executed, and validated, by the network
 - Interaction with lenders, gov depts likely for funds transfer, tax payment etc.
- Transparent, visible transactions taking place in the open



A BLOCKCHAIN BASED LAND AUTHORITY



CHALLENGES AND BENEFITS

- What are the legal implications?
- Benefits of increased market liquidity?
- Who hosts the chain?
- Technical challenges to using the technology

- Increase trust with high visibility and third party validation of transactions
- Smooth the information flow across government and business entities
- Increase market liquidity
- Support high-trust foreign investment

THANK YOU FOR YOUR ATTENTION!

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