

**KNOX** (wire)



# **Knox for Government**



## Solution

Knox for Government is a **turnkey ecosystem** that allows to comprehensively approach **digitalizing government services**. The solution is ready to be deployed within a short period to initialize the change in the financial sector, as well as improvement to the public sector and documents interexchange.

## Knox CBDC

The integration of **Knox CBDC** allows fundamental change in the processes of interaction of all subjects of the financial market, both within the state and with external partners.

## Knox e-Government

On the other hand, the state gets a possibility to **innovate in public services**, and start providing the population with **documents in electronic form**. This is ensured by the effective integration of all the necessary **state electronic registries and services** in the **Knox e-Government** system.

## Knox DLT

The operations within both systems are powered by **Knox DLT**. It's a **DAG-based** (Directed Acyclic Graph) solution that stores all data in the **distributed database** that can be supported by any governmental and financial institutions. Knox DLT is a proprietary solution with unprecedented security and possibility to scale. Its unique technology is protected by **5 patents**.

### Implementation stages

Countries could consider a **phased plan for integrating CBDC** in conjunction with the deployment of e-government services. Each stage is optional, and the launch of a CBDC and e-Government services in each country will be unique, based on the needs of the state.

#### 1 Stage one

Deployment can start with the e-government platform that would allow the state to bring the **entire list of governmental services** into a **comprehensive digital offer for citizens**. The role of the CBDC in this process will be as the main instrument for making payments for services. For the convenience of interacting with CBDC, a payment gateway can be deployed that will allow fiat <> CBDC exchange in a single interface.

**This fundamental stage will allow the state to make a pilot launch of the whole digital ecosystem.**

## 2 Stage two

Deployment of **internal settlements** between commercial banks and their clients. This will calibrate the processes of exchange, balancing, and monitoring for the central bank to fulfill guarantees of tracking the legality of the source of origin of CBDC.

## 3 Stage three

Creation of **a network of cross-border payments** with international banks as partners. To do this, it will be essential to form both legal and technical concepts of a platform for making unidirectional and bidirectional CBDC payments. This stage will be built on the basis of the current CBDC transfers of commercial banks, and settlement of the central banks of the states.