

CBDC Experimentation

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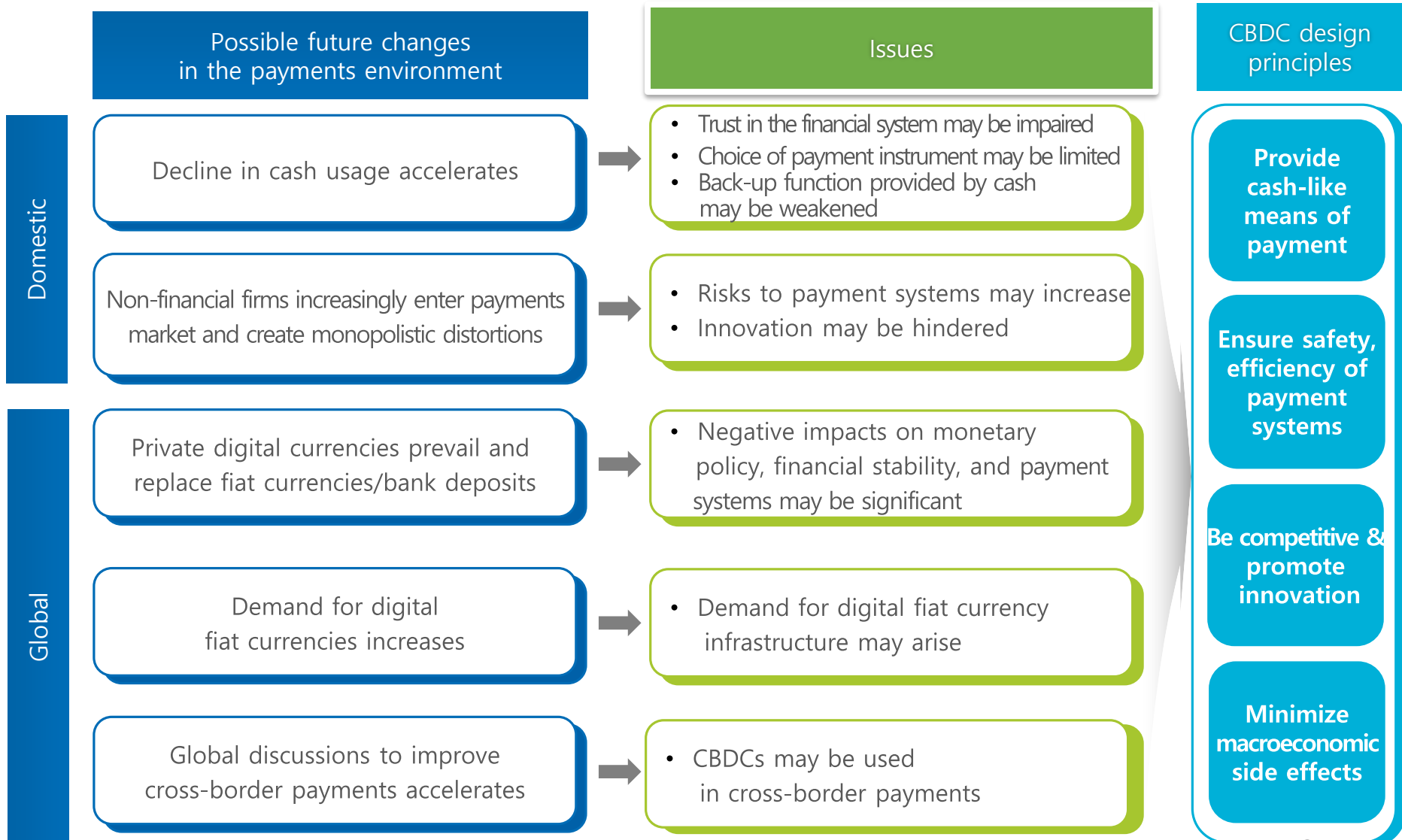
July 14, 2021

Chief Economists' Workshop

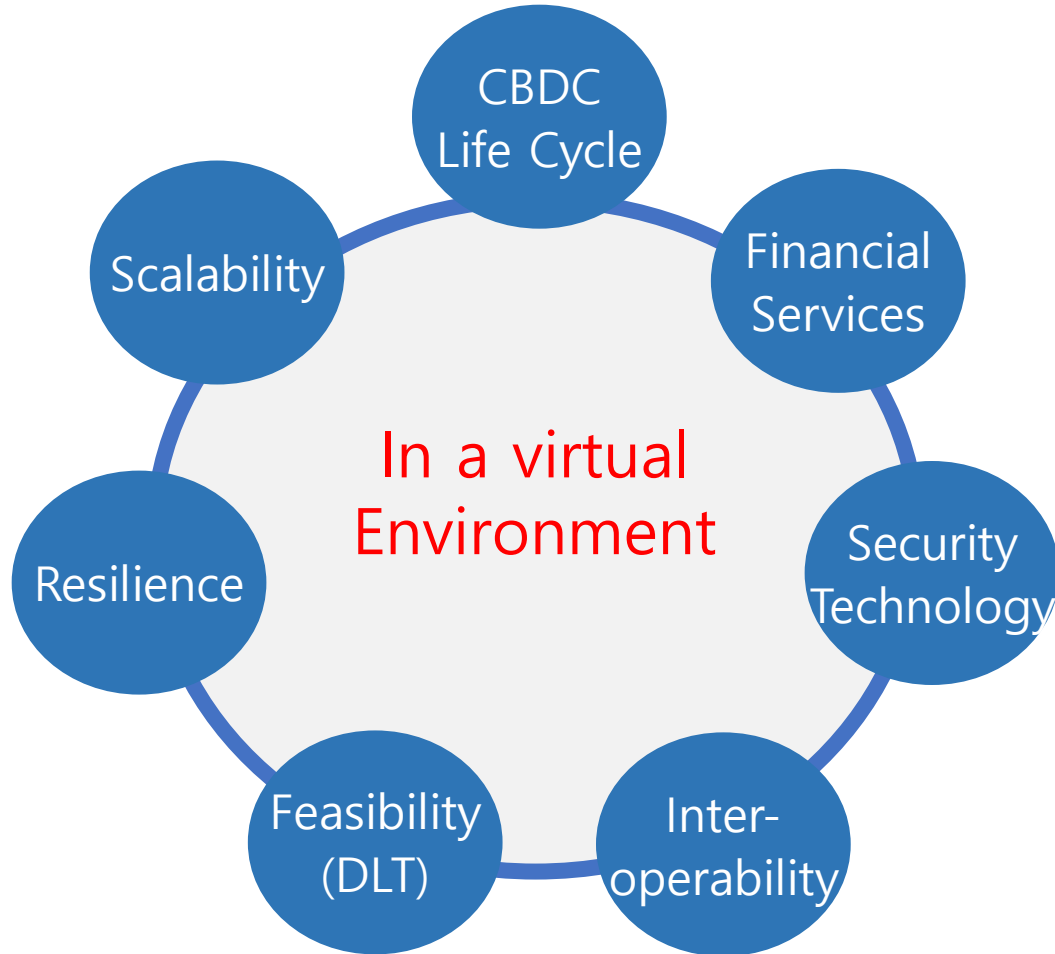
■ BOK's stance on the issuance of a retail CBDC

- ▶ Thanks to Korea's well-functioning payment markets and high level of financial inclusion,
we do not see a significant need to issue a retail CBDC in the near future.
- ▶ However, recognizing the growing need to be prepared for possible future changes in the payment environment,
the BOK has established its CBDC Research Team to carry out CBDC research.

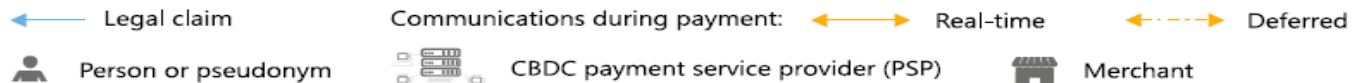
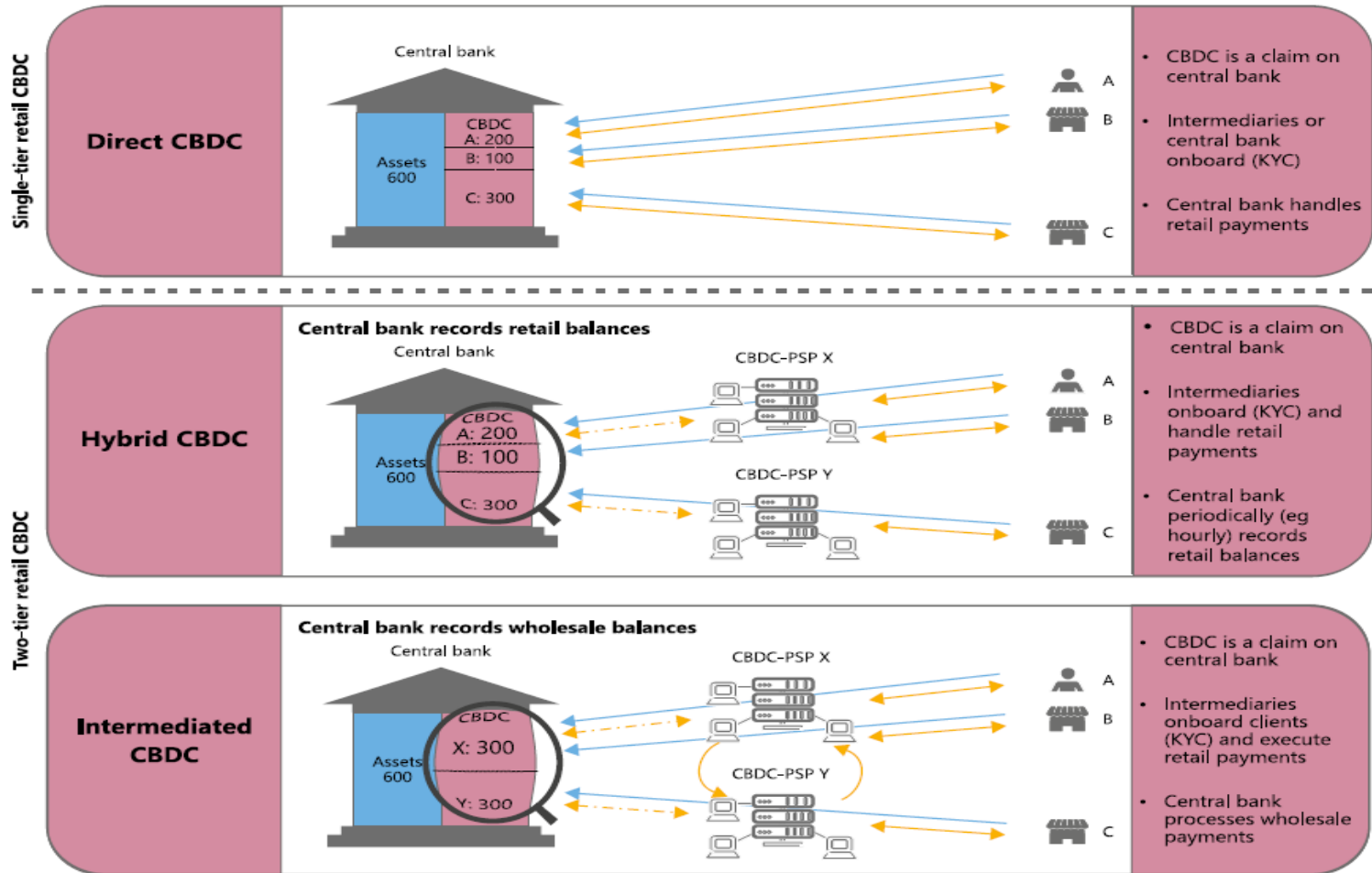
CBDC Design Principles



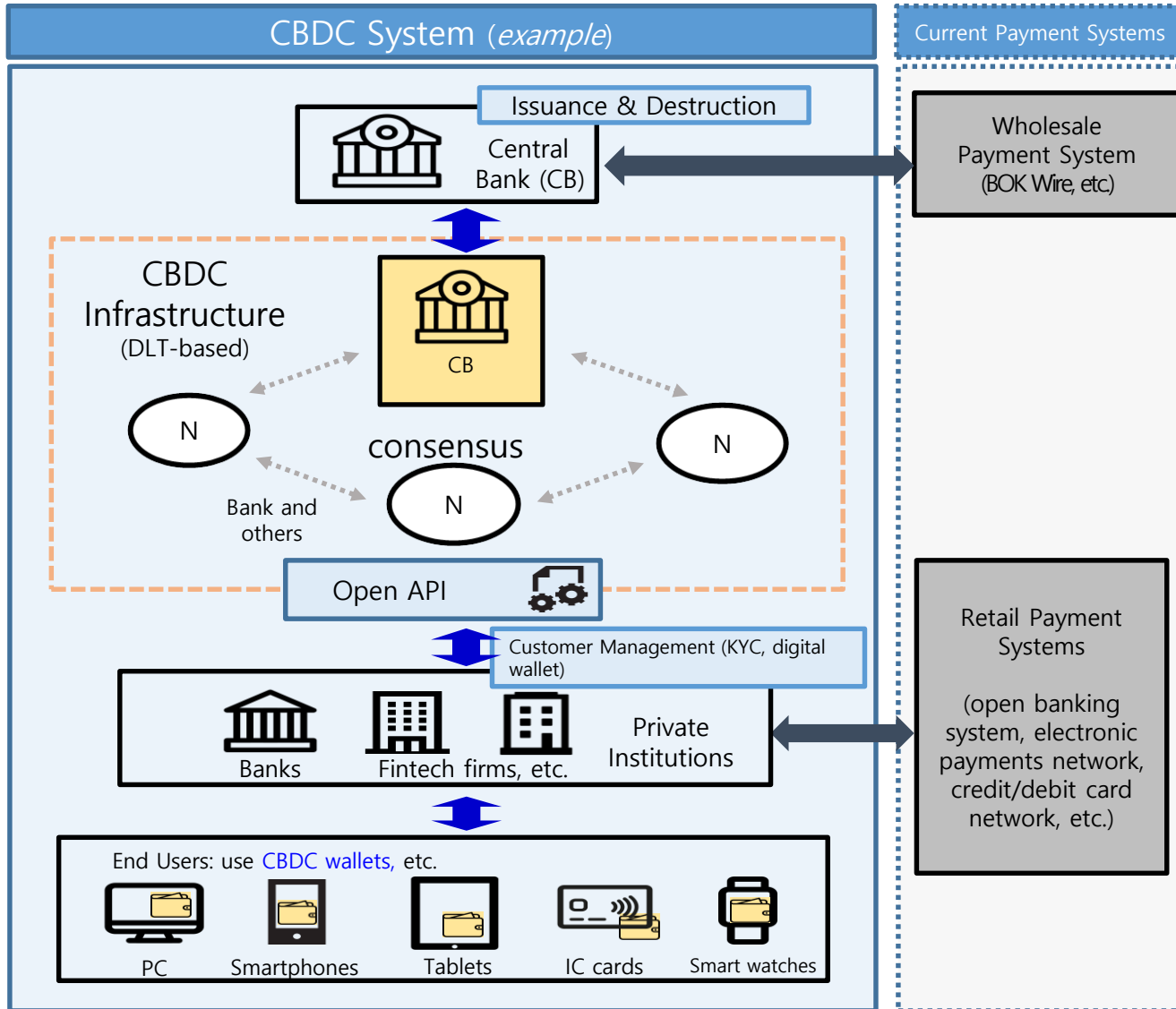
■ Main Objectives of the Experimentation



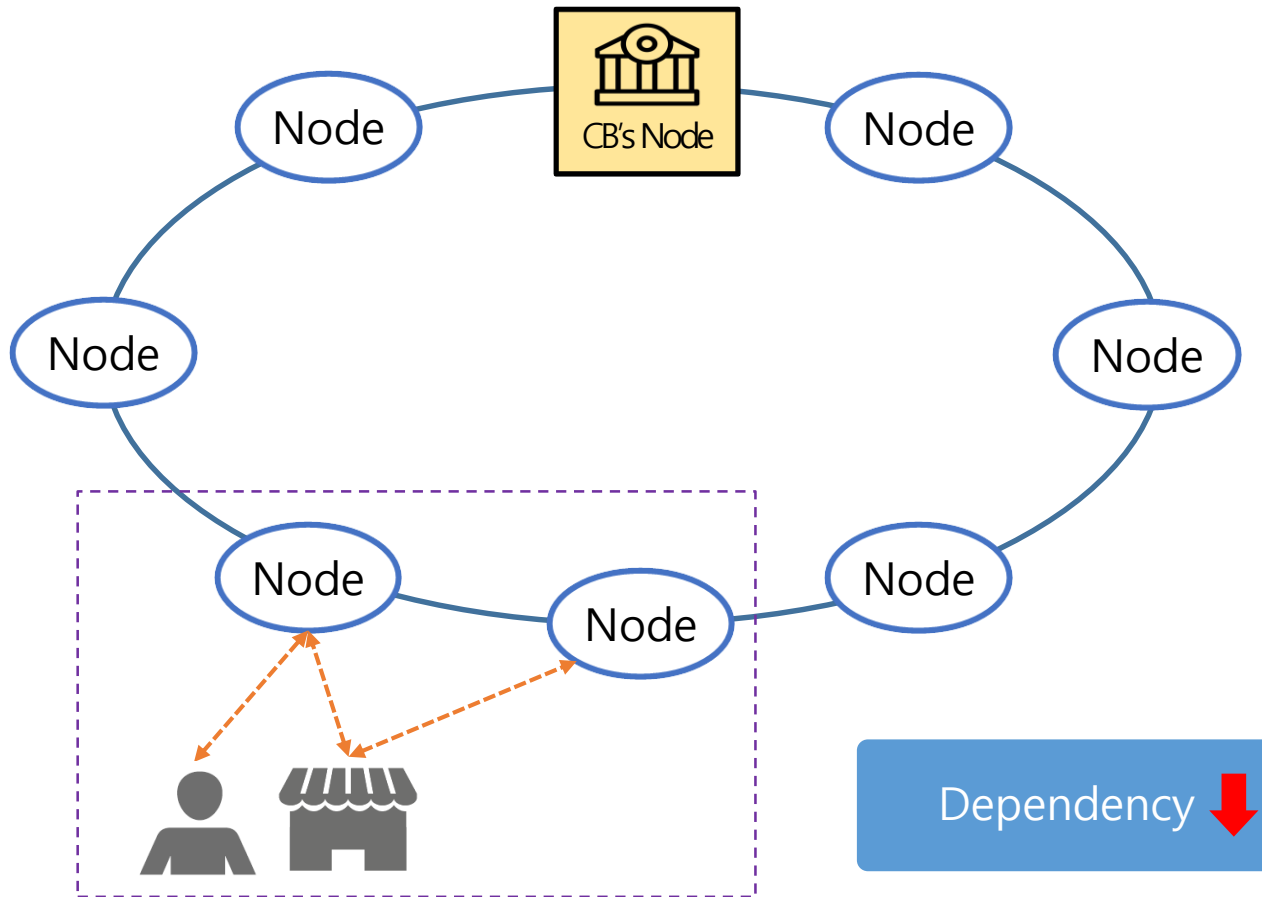
CBDC Architecture



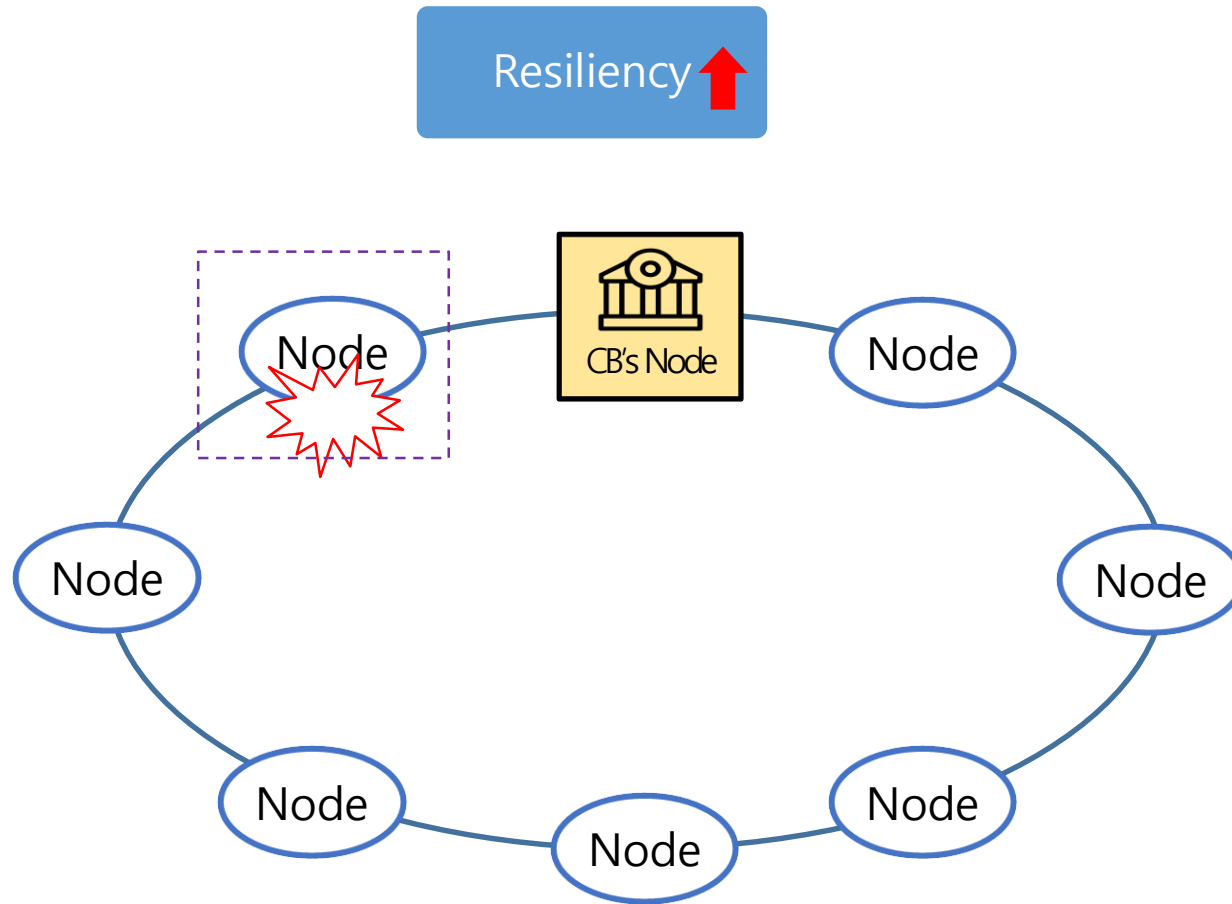
CBDC Architecture (cont.)



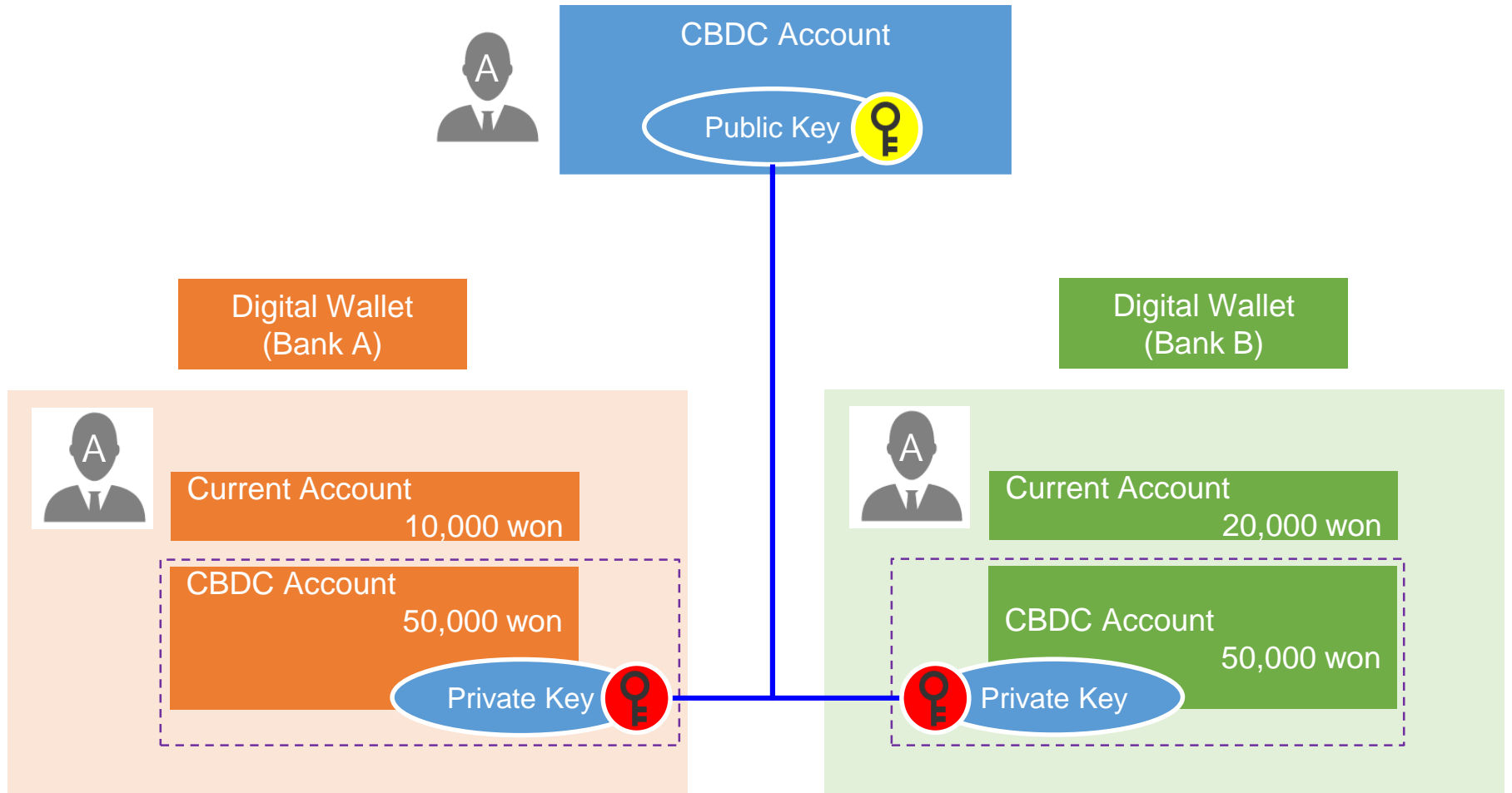
Why DLT?



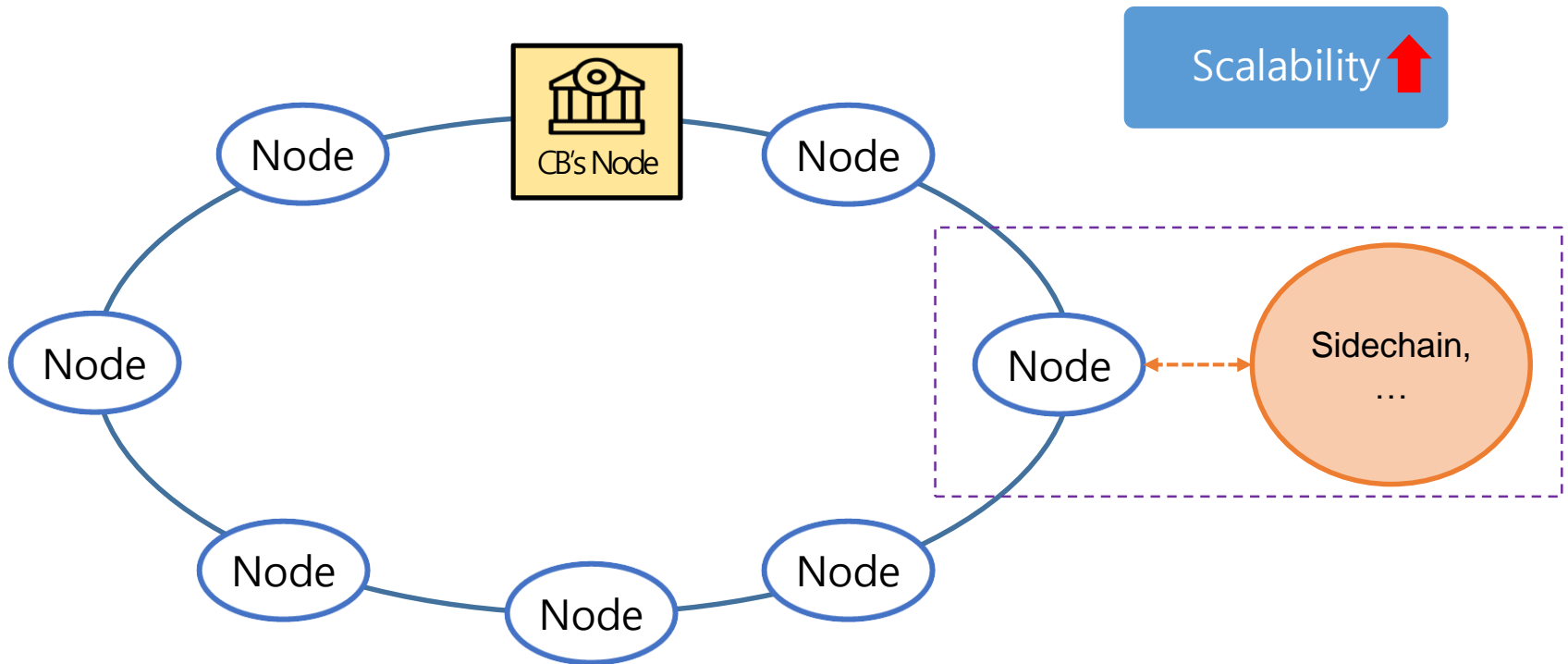
Why DLT? (cont.)



Account Policy



Throughput Issue



Current Work Plan

	Phase I	Phase II
Period	July 2021 - Dec. 2021	2022
Main Tasks	<ul style="list-style-type: none">- Building a CBDC system on a virtual machine- Testing basic functions of CBDC life cycle such as issuance, distribution, and destruction	<ul style="list-style-type: none">- Adding various CBDC features to the experimental environment constructed in Phase I, and test their feasibilities

Q & A