

Empowering Digital Finance Innovation with Blockchain Tokenization

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IBM



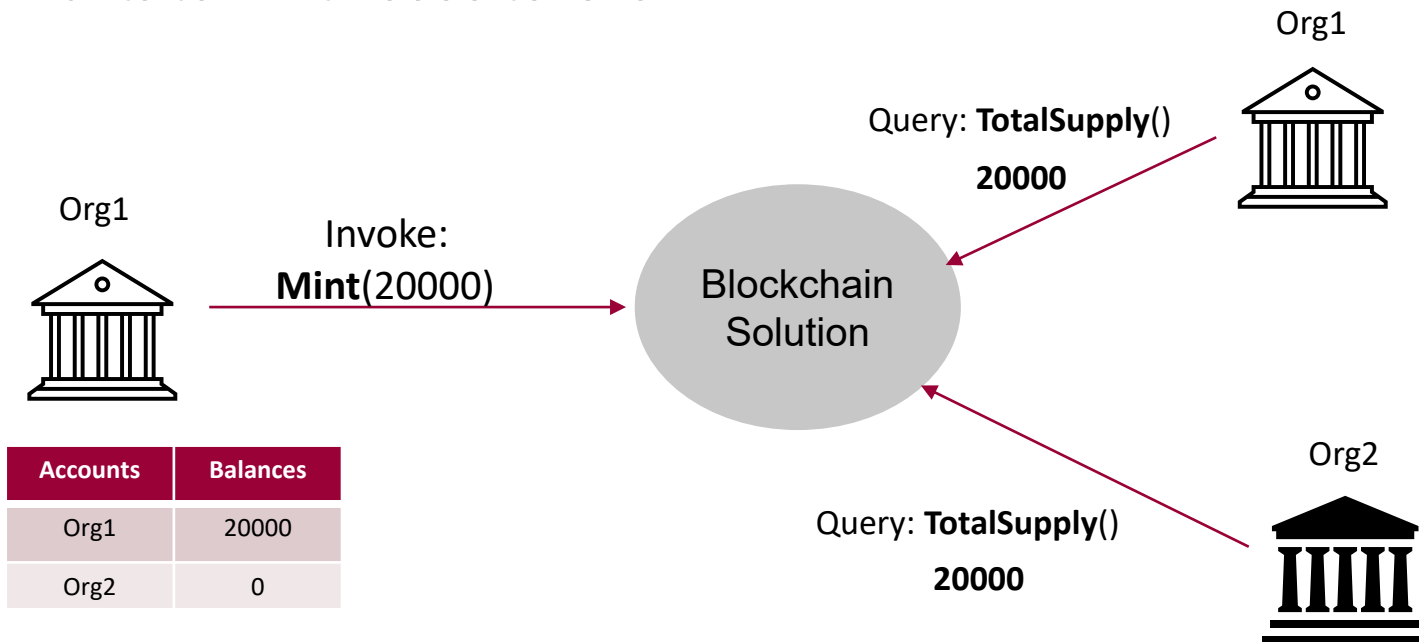
ERC20 functions implemented



- *Total Supply* of tokens
- *Balance of* an account
- *Transfer* tokens from one account to another
- *Allowance* of an account
- *Approve* allowance from one account to another
- *Transfer from* allowance account to another account
- ***Mint*** of tokens

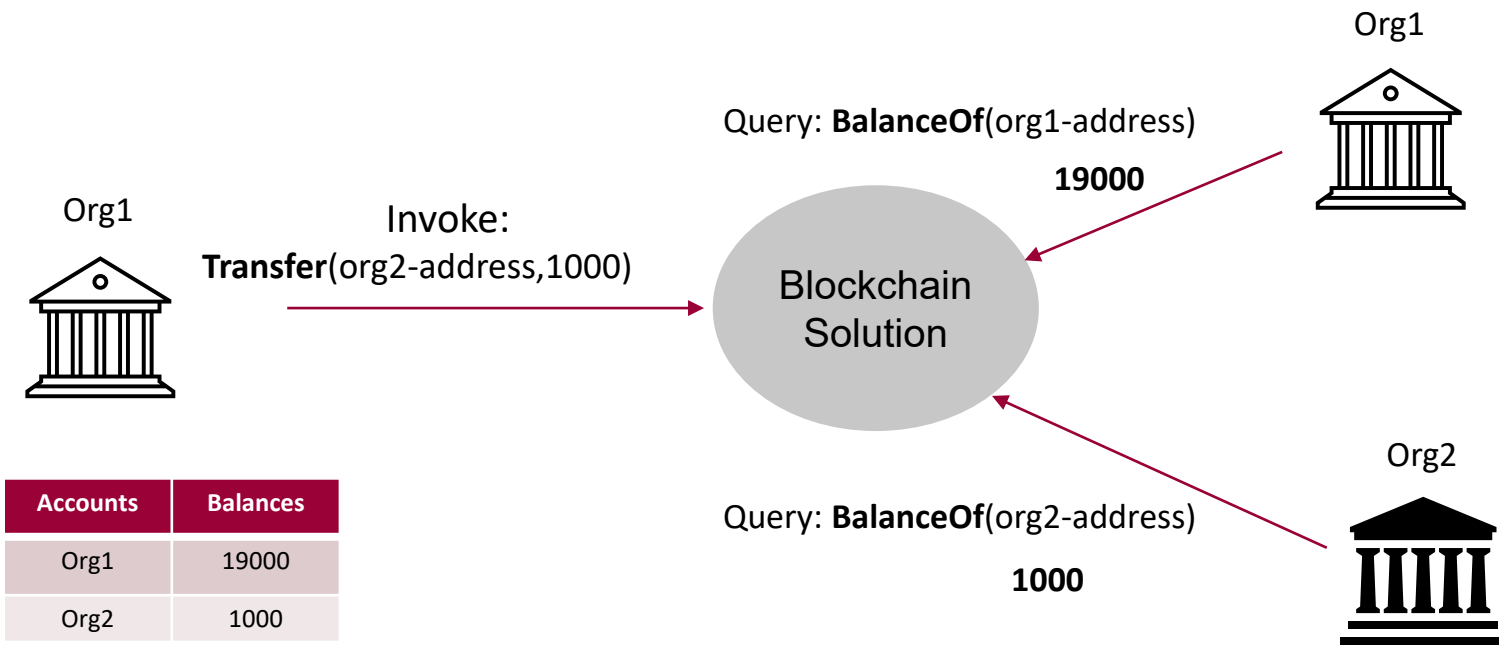
Step 1: Mint of tokens

Org1 wants to mint 20000 tokens



Step 2: Transfer of tokens

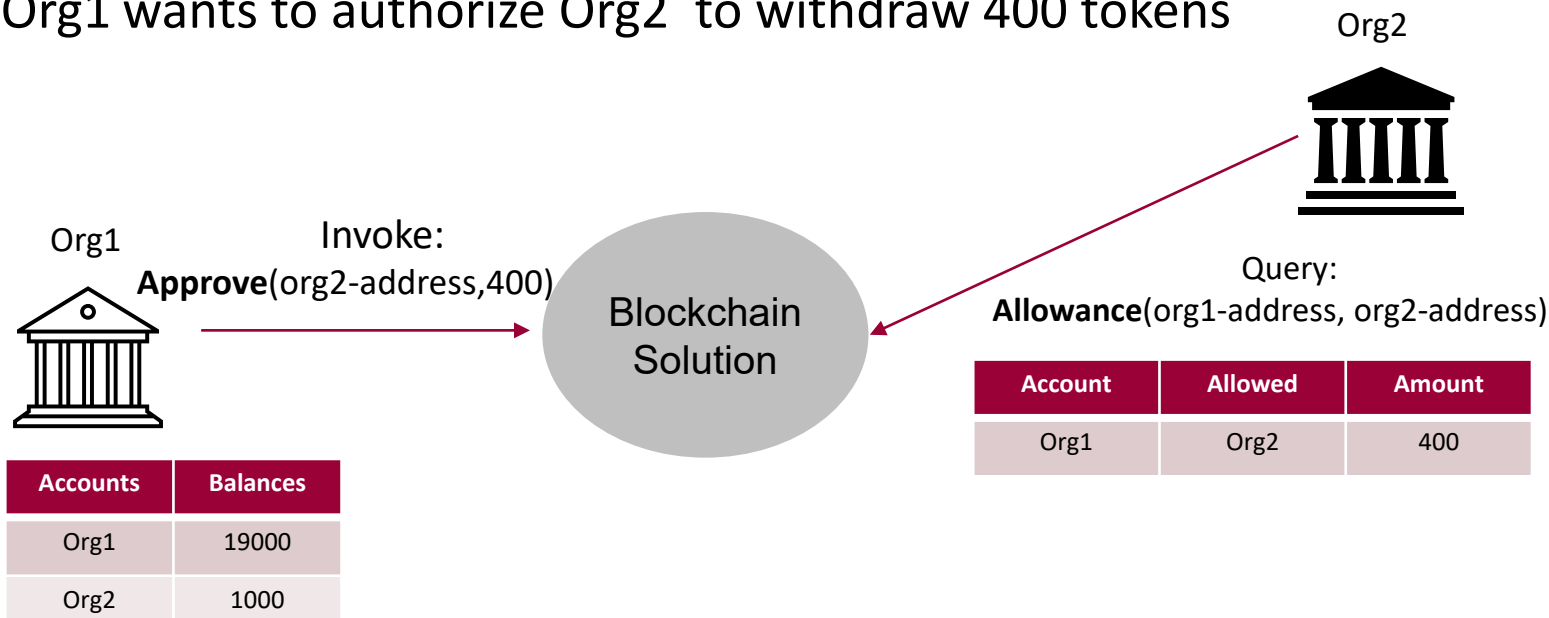
Org1 wants to Transfer 1000 tokens to Org2



Accounts	Balances
Org1	19000
Org2	1000

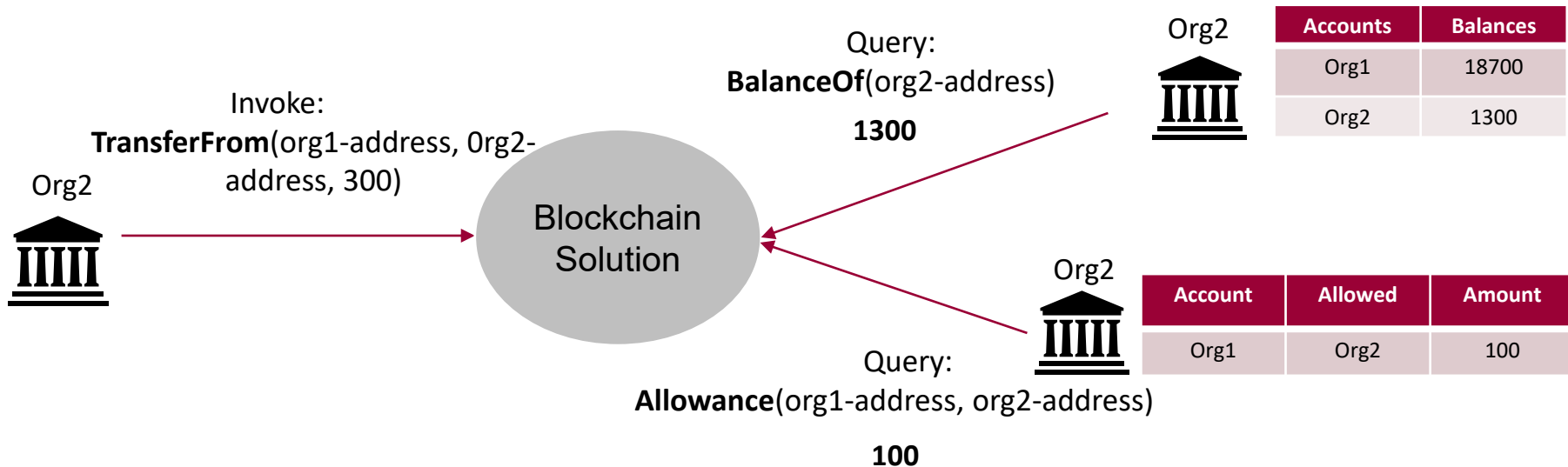
Step 3: Approve/Transfer from (1/2)

Org1 wants to authorize Org2 to withdraw 400 tokens



Step 3: Approve/Transfer from (2/2)

Org2 wants to later transfer 300 tokens from Org1 to itself



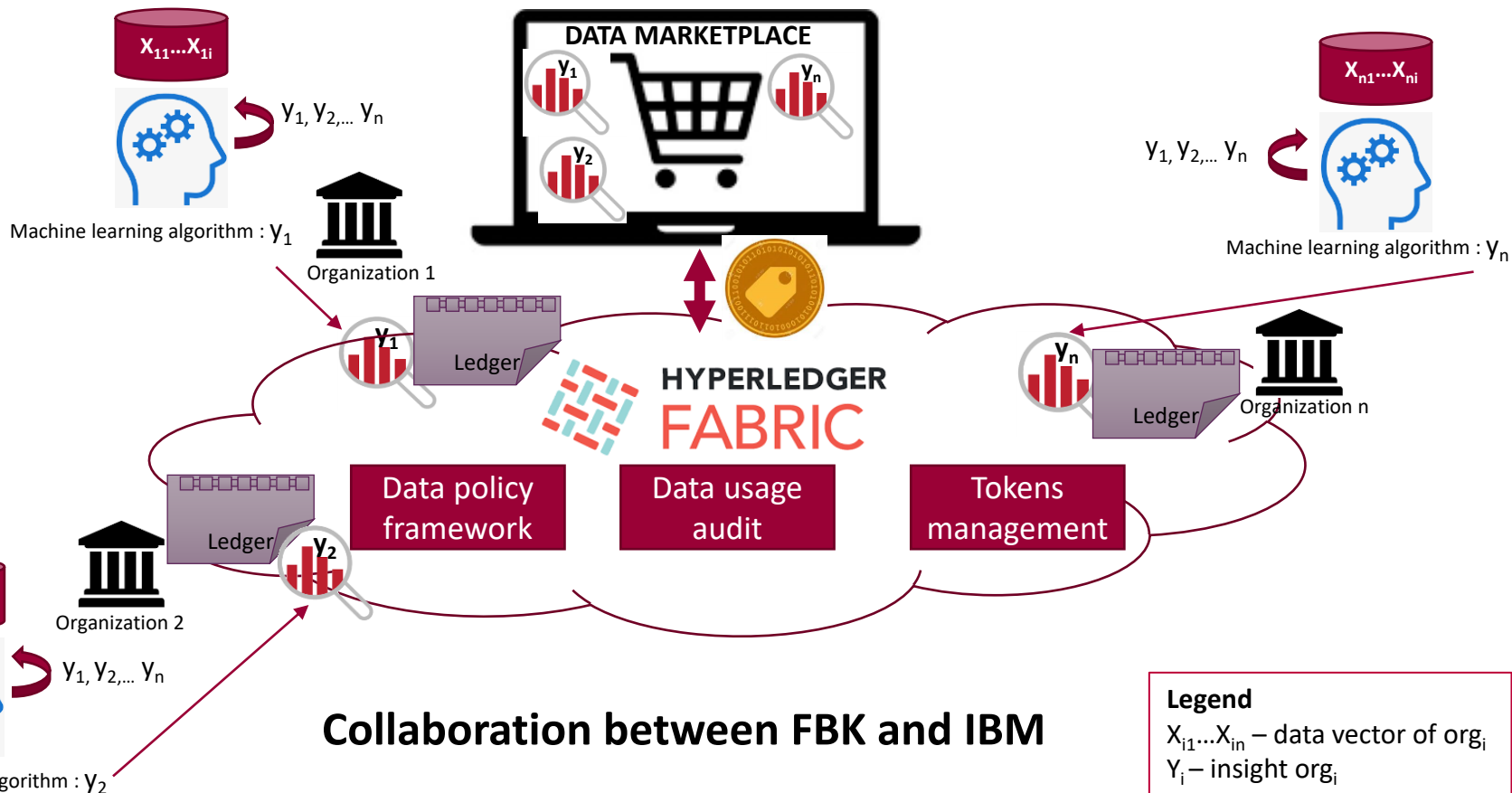
A recording showing a short tutorial of ERC 20 functions, description of the BC network applied, and the usage of the chaincodes (for all functions) can be found at:

<https://ibm.box.com/s/2n4ztnj33jt82y2rqosa2rsdpp6k5rdv>



Example of an application of tokens in INFINITECH





Thank you

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