ROSPATENT
FEDERAL SERVICE FOR INTELLECTUAL PROPERTY

STATE INFORMATION SYSTEM: DISTRIBUTED LEDGER FOR INTELLECTUAL PROPERTY RIGHTS

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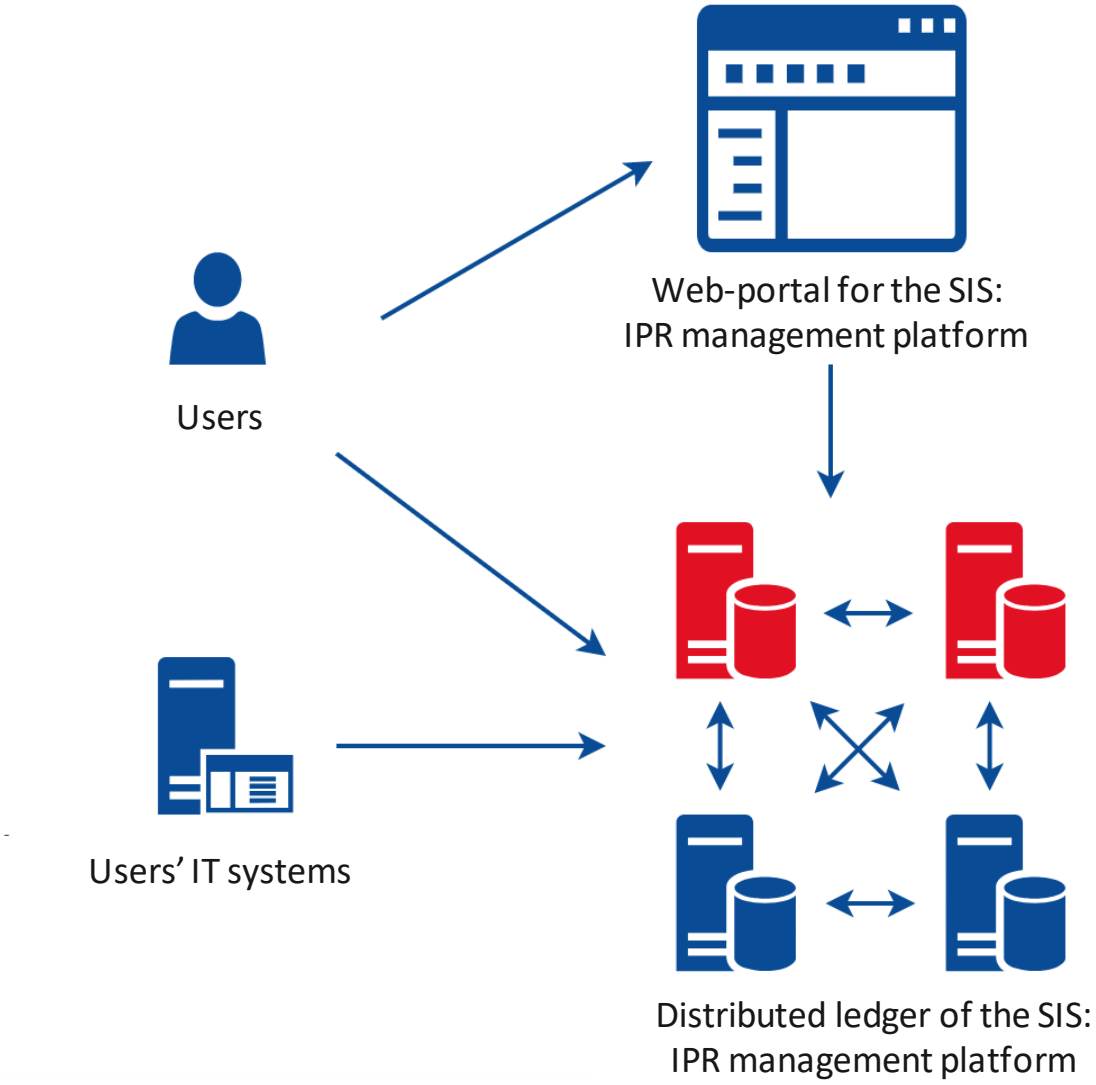
Project objectives

- Create a platform for interactions related to IP
- Ensure transparency and security for all the stakeholders
- Provide user-friendly tools to find counterparties and negotiate transactions
- Reduce the time required to negotiate and register IPR-related transactions

Project goals

- Create and implement flexible scenarios for actors' interaction
- Ensure technical implementation of the platform using distributed ledger technology
- Provide a safe and secured environment for transactions

System overview



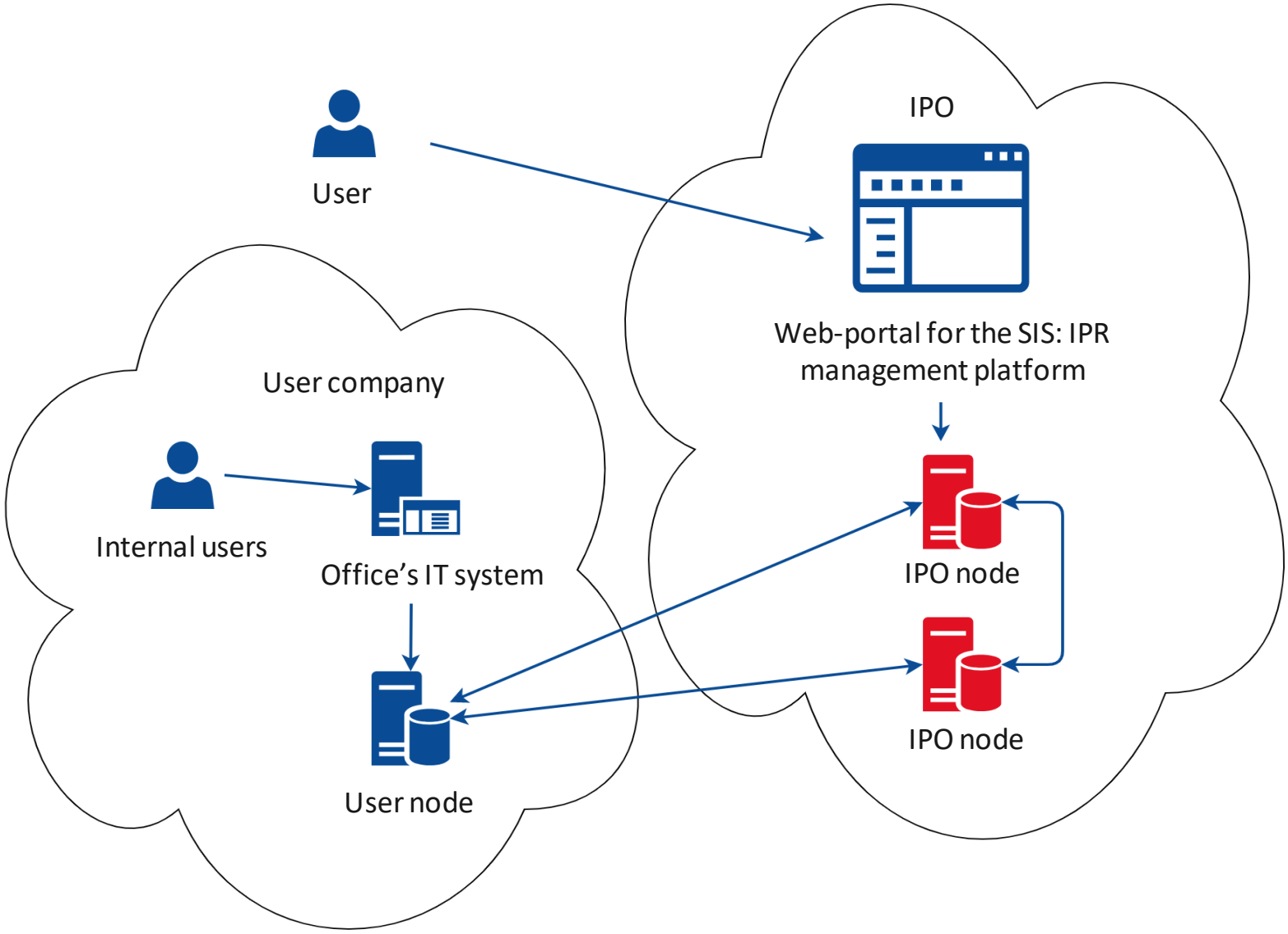
System features

- A single platform for finding and purchasing/selling IPR
- Verification of terms and conditions related to IPR transfer
- Automated application drafting related to IPR management or disposal
- Update of an application legal status with an IPO
- Ensuring data accuracy when drafting and signing contracts with a digital signature
- Drafting the contract using the contract builder tool
- Verification of seller and buyer data throughout the IPR transfer process
- Changing IPR legal status following the specific events
- Operation of the Distributed ledger for IPR

Distributed ledger

- Based on the blockchain technology
- Automates internal processes as part of the blockchain solution (operations for IPR management)
- Allows to connect external nodes to the distributed ledger

System users



What does the ledger contain?

- Up-to-date public information on IPR and their legal status
- Public information on filed and registered transactions
- Data on trade offers

User node

- Browsing IPR and trade offers
- Placing rights on the market, bidding
- Participating in bidding
- Submitting requests to IPO
- Monitoring status of requests

Patent attorney`s node

- User node
- The user is a patent attorney
- Enables performing actions by the attorney on behalf of a rightsholder

User functions

Seller

1 Authorization

2 Request the list of available IPR

3 Create offers as exclusive/non-exclusive licenses (commercial concession)

4 View and sign contracts

Buyer

1 Authorization

2 View IP data on the market

3 Participate in bidding for IPR acquisition

4 View and sign contracts

Patent attorney

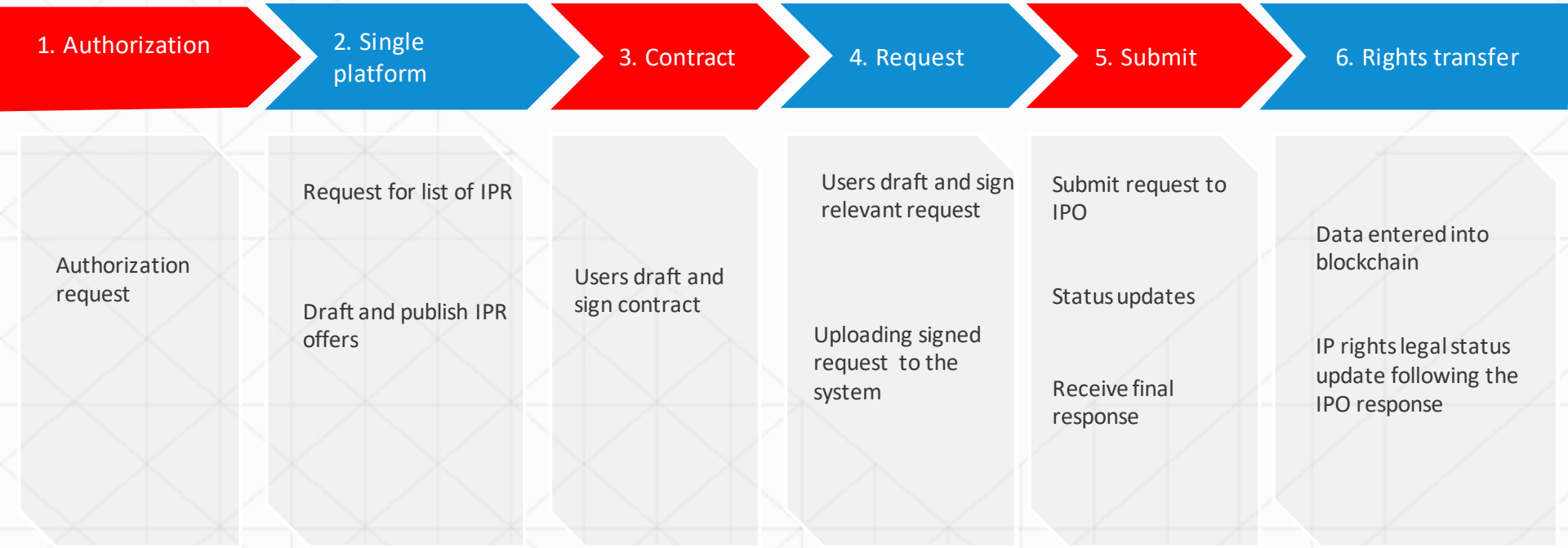
1 Authorization

2 Assistance and advice for users

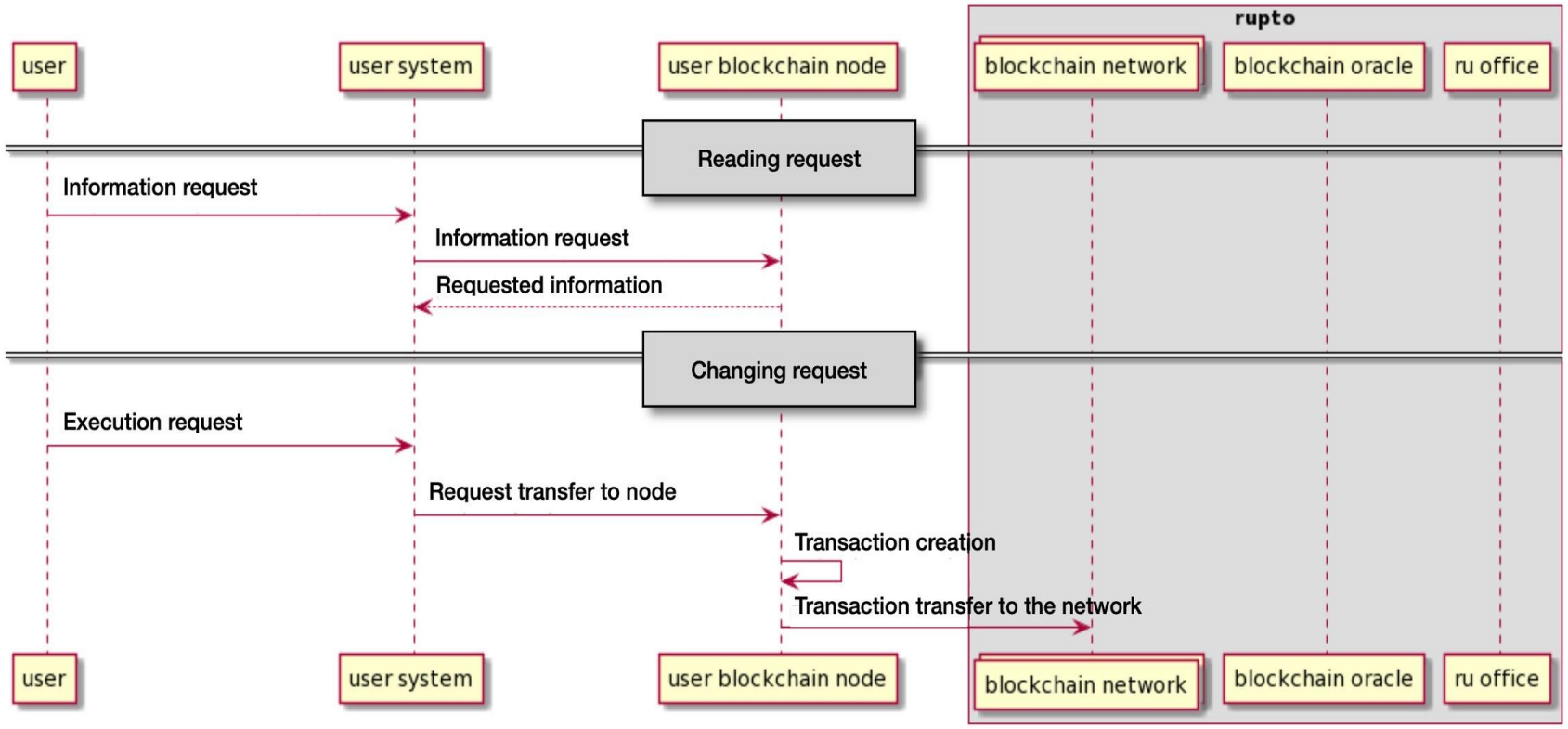
3 Represent clients

4 Submit requests to IPO

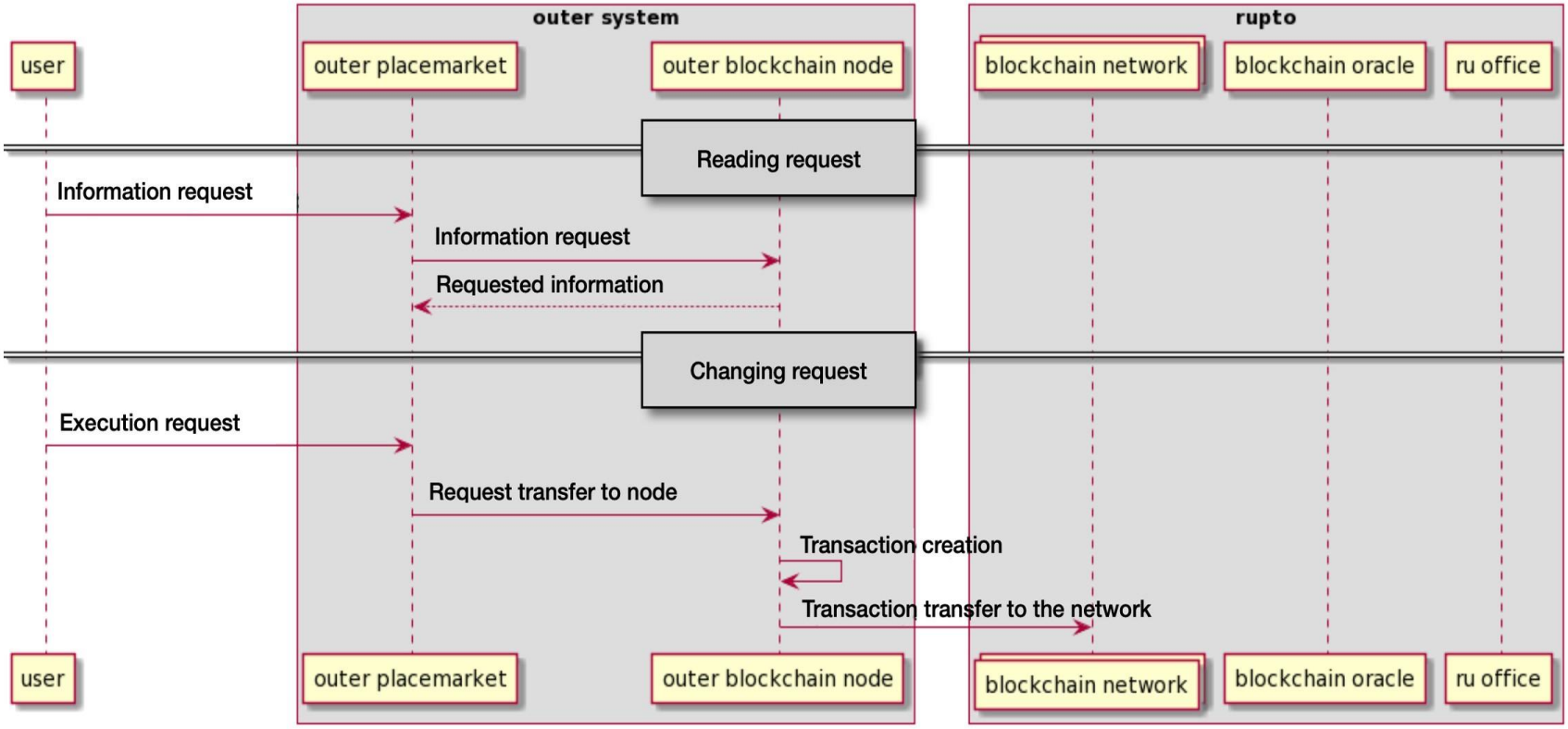
Scenario



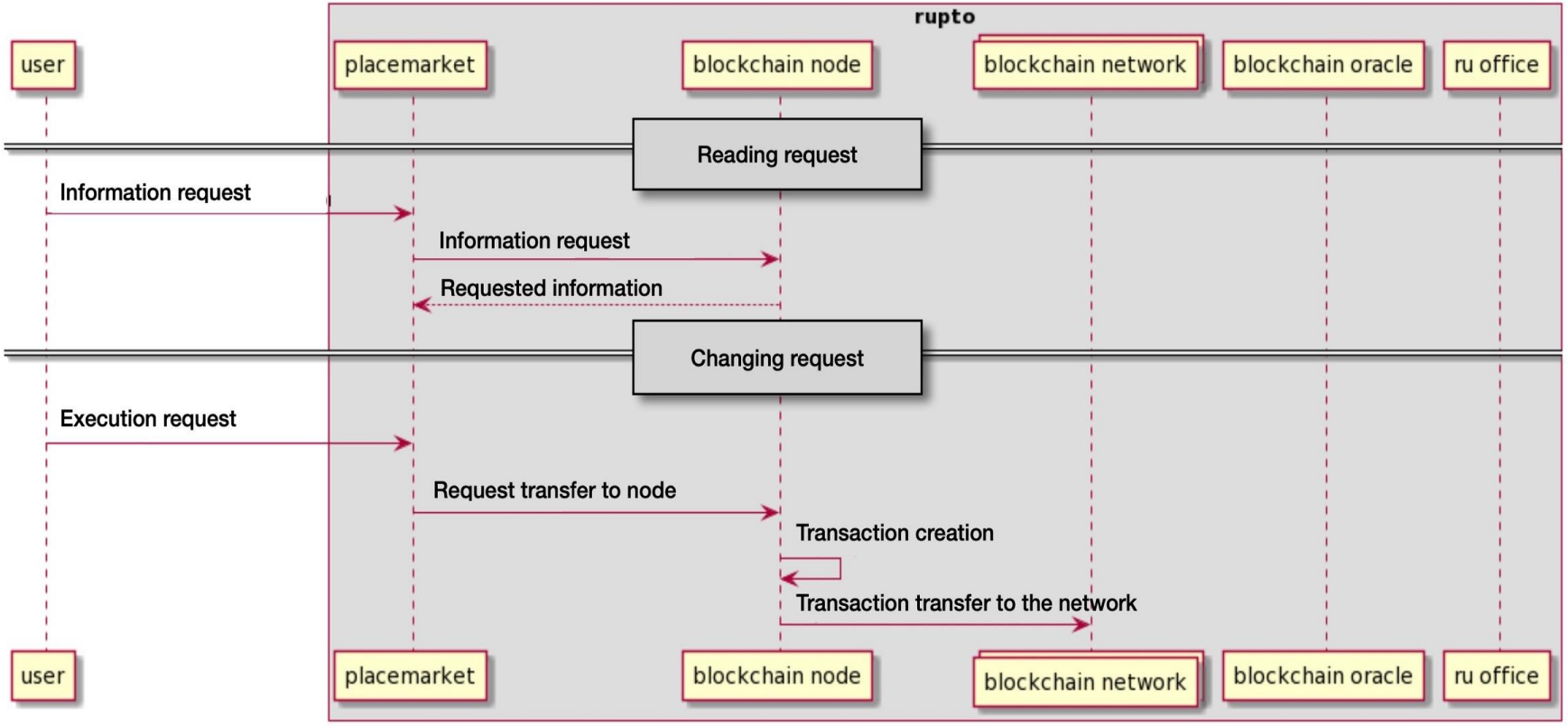
General Interaction Scheme (via User IT System)



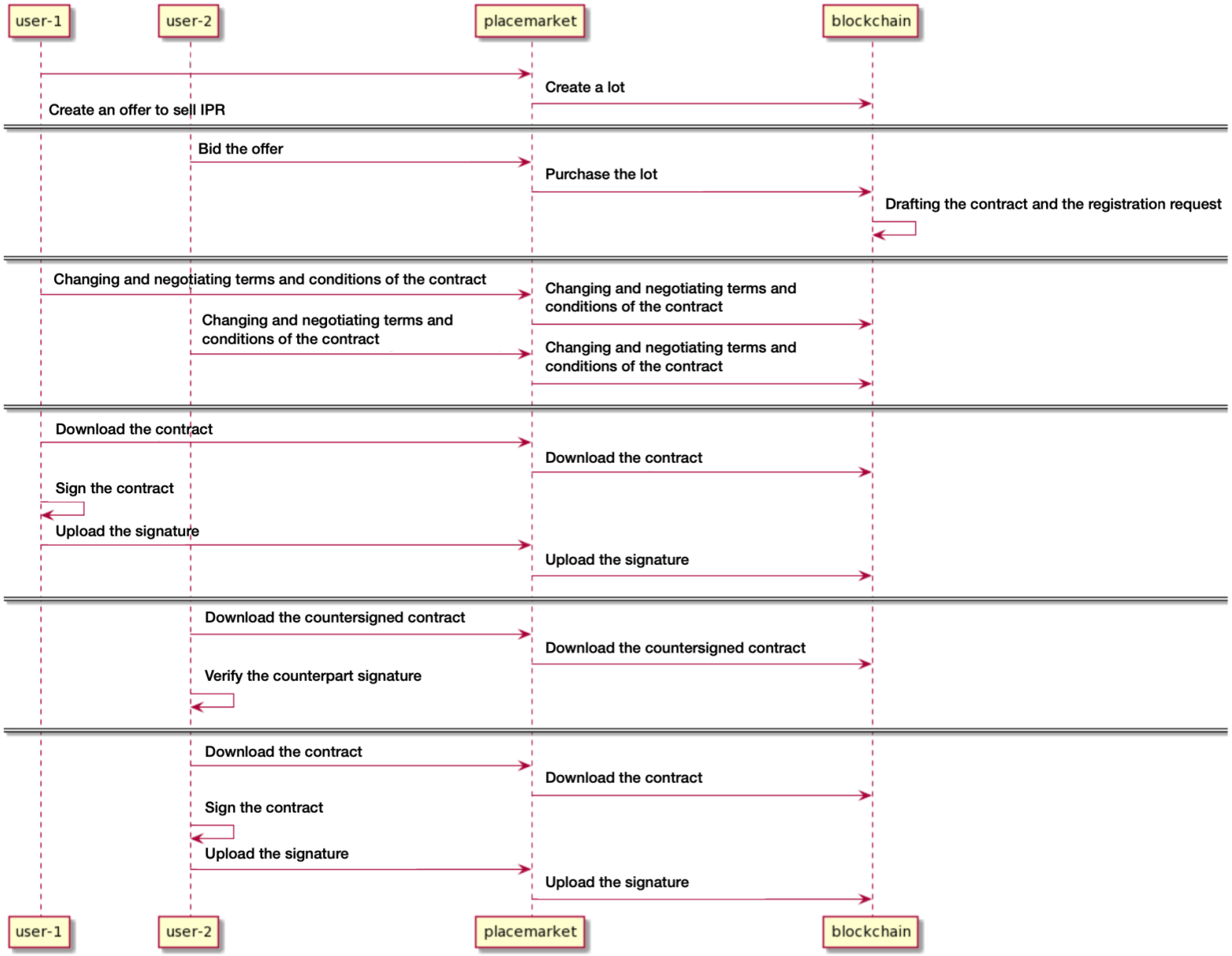
General Interaction Scheme (via Outer System)



General Interaction Scheme (via IPR Management Platform)



IPR Commercialization



Acquisition Registration