

RPP – Secure Object Transfer

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Motivation



R9.3 Support for a **simplified and quicker object transfer** process MAY be included, **where approval from the losing registrar is to be obtained interactively by the registrant** during the transfer process.

R9.4 RPP MUST include an authorisation model/framework that goes beyond the EPP AuthInfo used for object transfers. The following use cases MAY be supported:

- **Object transfers without using an EPP AuthInfo**

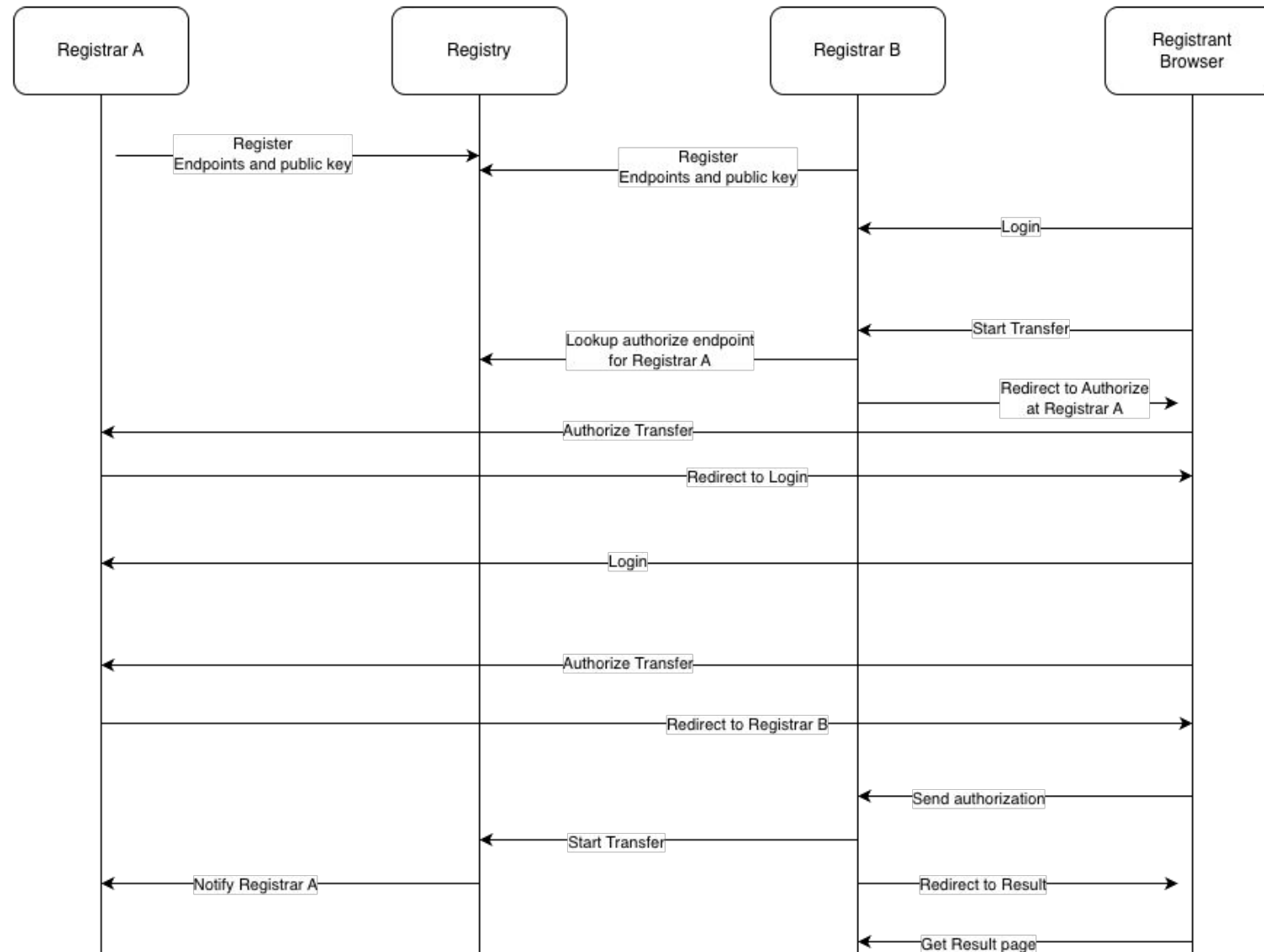
O2.2 A Gaining Client MUST provide **valid authorisation information** to initiate a Pull Transfer request.

Goal



- Design a secure AND user friendly mechanism for the pull-type transfer of an object between two registrars
- The gaining registrar does not require previous knowledge of losing registrar
- Do not use insecure authInfo token
- Proof of transfer authorization is cryptographically signed, and
 - has a limited lifetime
 - is bound to specific registrar
- Demonstrate how RPP addresses limitations in existing solutions
- Based on OAuth 2.0

Overview



Observations



- Secure Transfer does not require OAuth 2.0, rewrite the draft to remove the OAuth 2.0 dependency
- A more general “authorization” mechanism, as part of the RPP Core, may be a better solution for allowing secure 3rd party access to objects in the registry

Running Code



During the Hackathon this weekend we developed a prototype for Secure Domain Transfer.

Live demo in the Hackathon Recap presentation at the end of this session.

Thank You

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