

3rd-Party Authentication for SIP

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Overview

- The mechanism allows a user to use his **non-sip credentials** to get access to **SIP services**.
- This enables the **Single-Sign-On** feature where the user is expected to use **one set of credentials** to get access to **SIP and non-SIP services**.

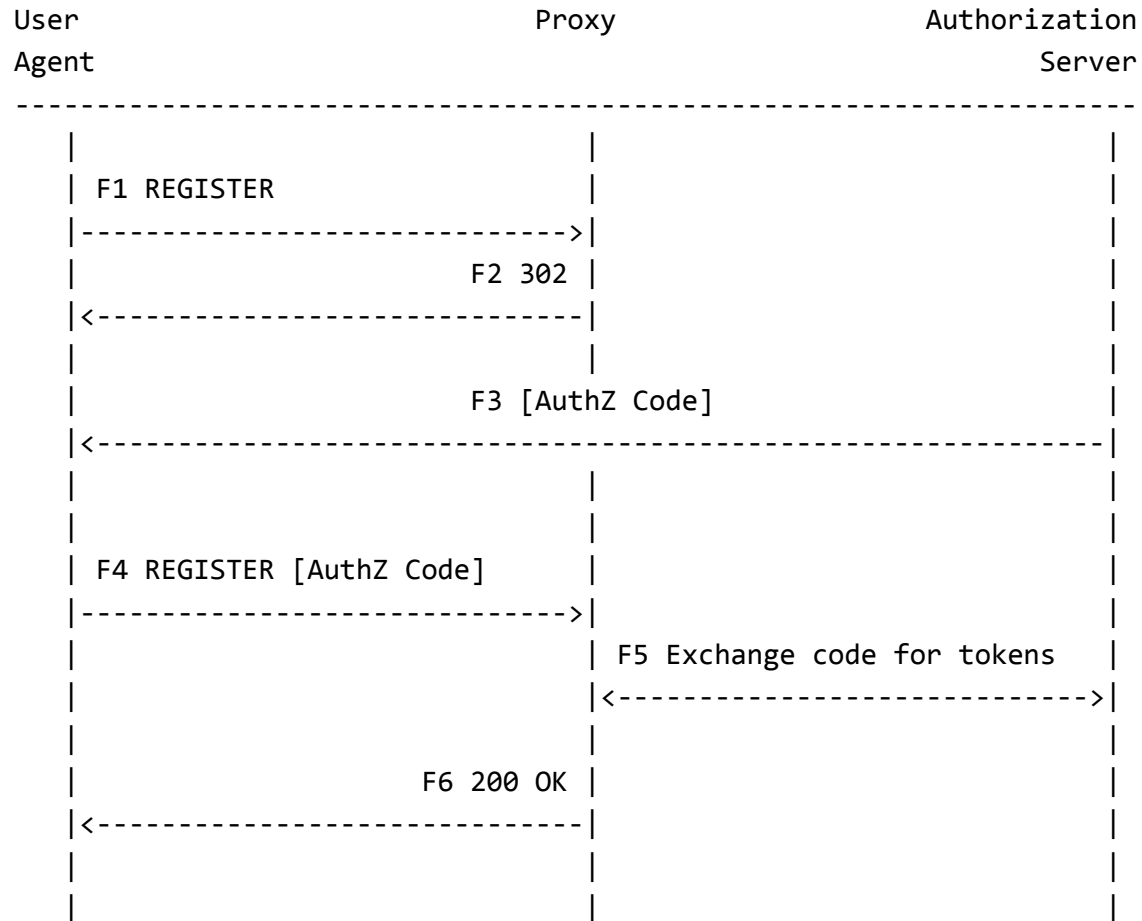
3rd Party AuthN vs SIP OAuth

- The **SIP OAuth** draft defines a general **SIP services authorization** framework.
- The **3rd Party Authentication** draft defines an authentication and authorization mechanism for **SIP registration** to enable the **SSO** feature.

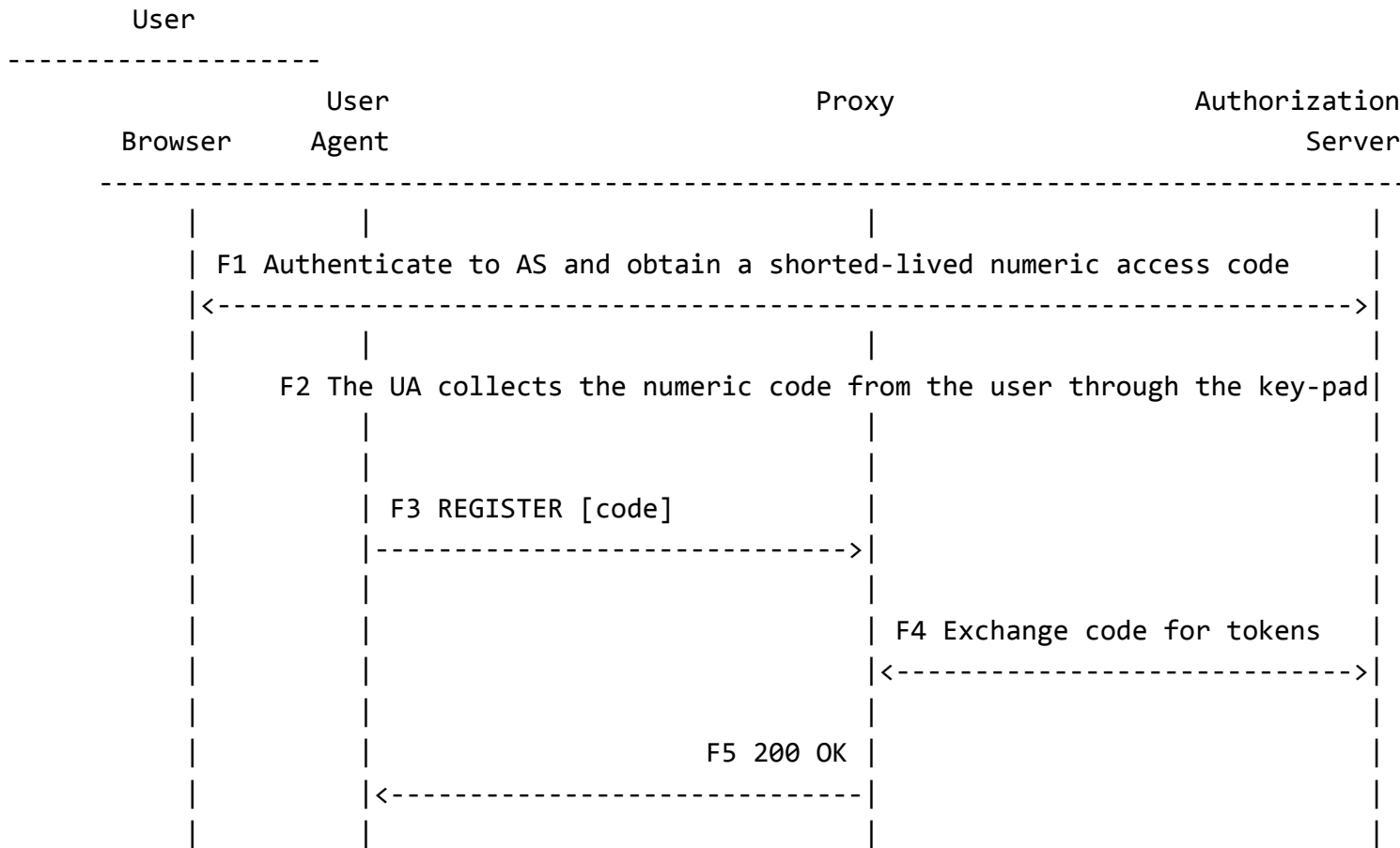
UA Types

- **RFC6749** defines two types of UAs:
 - **Confidential**: a UA that is capable of maintaining the confidentiality of the user credentials and any tokens obtained using these user credentials.
 - **Public**: a UA that is incapable of maintaining the confidentiality of the user credentials and any obtained tokens.

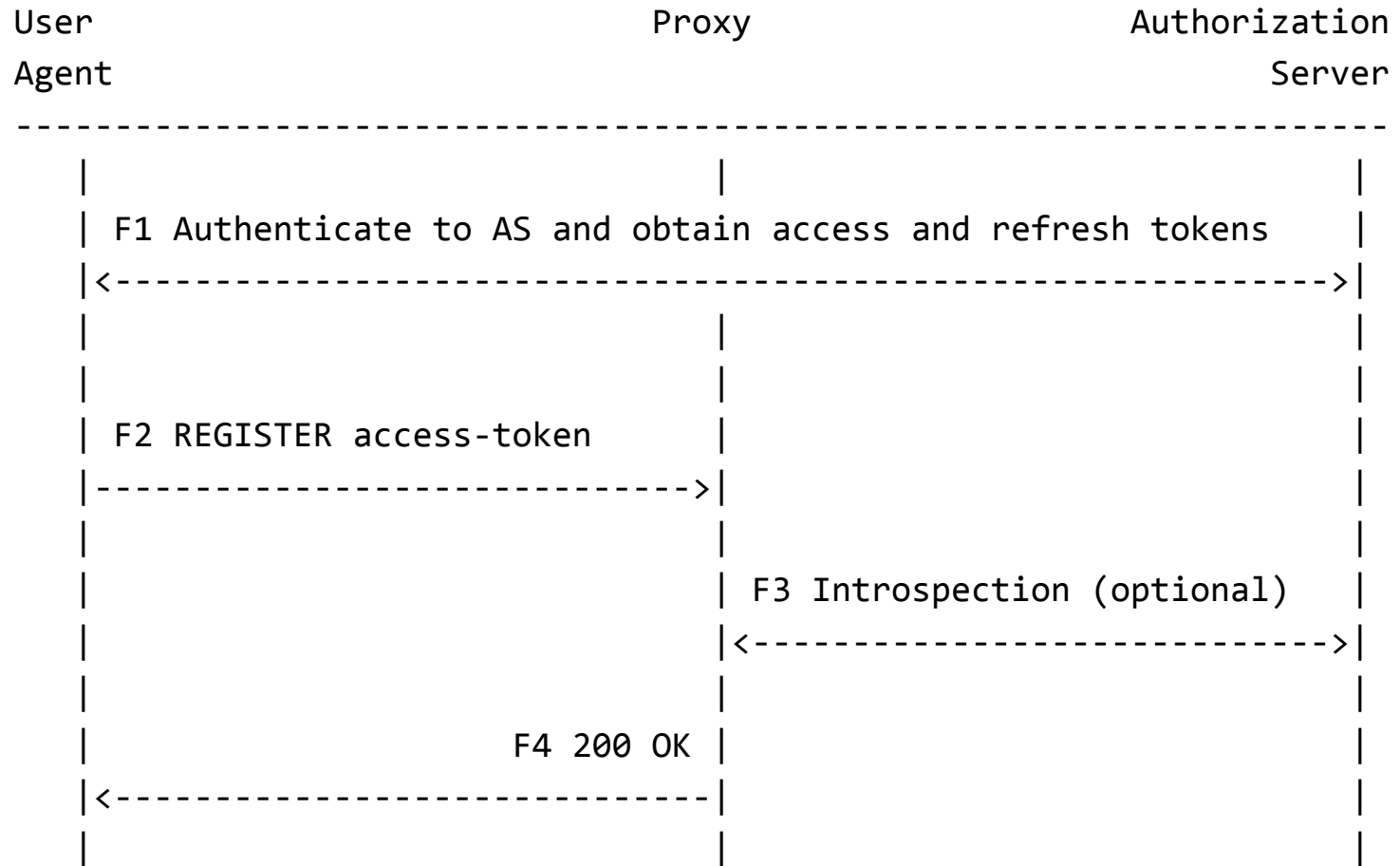
Public UA with Rich UI



Public UA with Limited UI



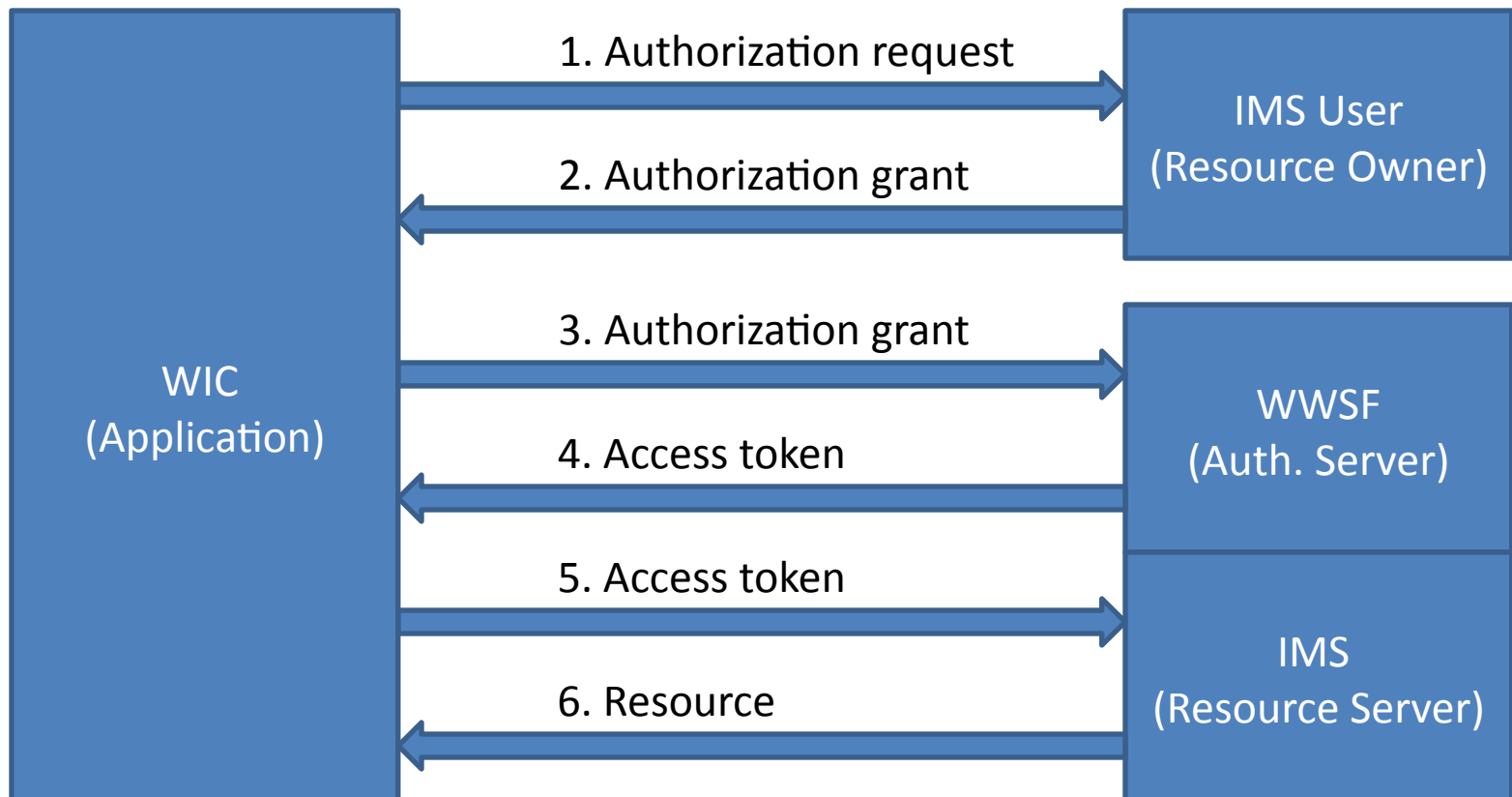
Confidential UA with Rich UI



IMS-WebRTC

- Access IMS services using web credentials
 - Non-legacy IMS authentication methods
- Entities
 - WIC (**W**ebRTC **I**MS **C**lient)
 - E.g., JavaScript application in browser
 - WWSF (**W**ebRTC **W**eb **S**erver **F**unction)
 - WAF (**W**ebRTC **A**uthorisation **F**unction)
 - Issues authorization tokens
 - IMS operator or 3rd party

IMS-WebRTC



Open Issues

- Redirection
 - 302? 4xx?
- Flow recovery with PoP?