Token Binding over HTTPS

I-D Changes Since IETF 94

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Token Binding HTTP Header

- Changed name back to “Sec-Token-Binding”
- Carries the EncodedTokenBindingMessage as before
- Sec- prefix makes it a “forbidden header name”
  - Header stays completely under user agent control
- Key reason: Integrity Protection in user agents like Web Browsers
  - Disallows scripts etc. from directly manipulating that header

Privacy Considerations

- Expanded Section

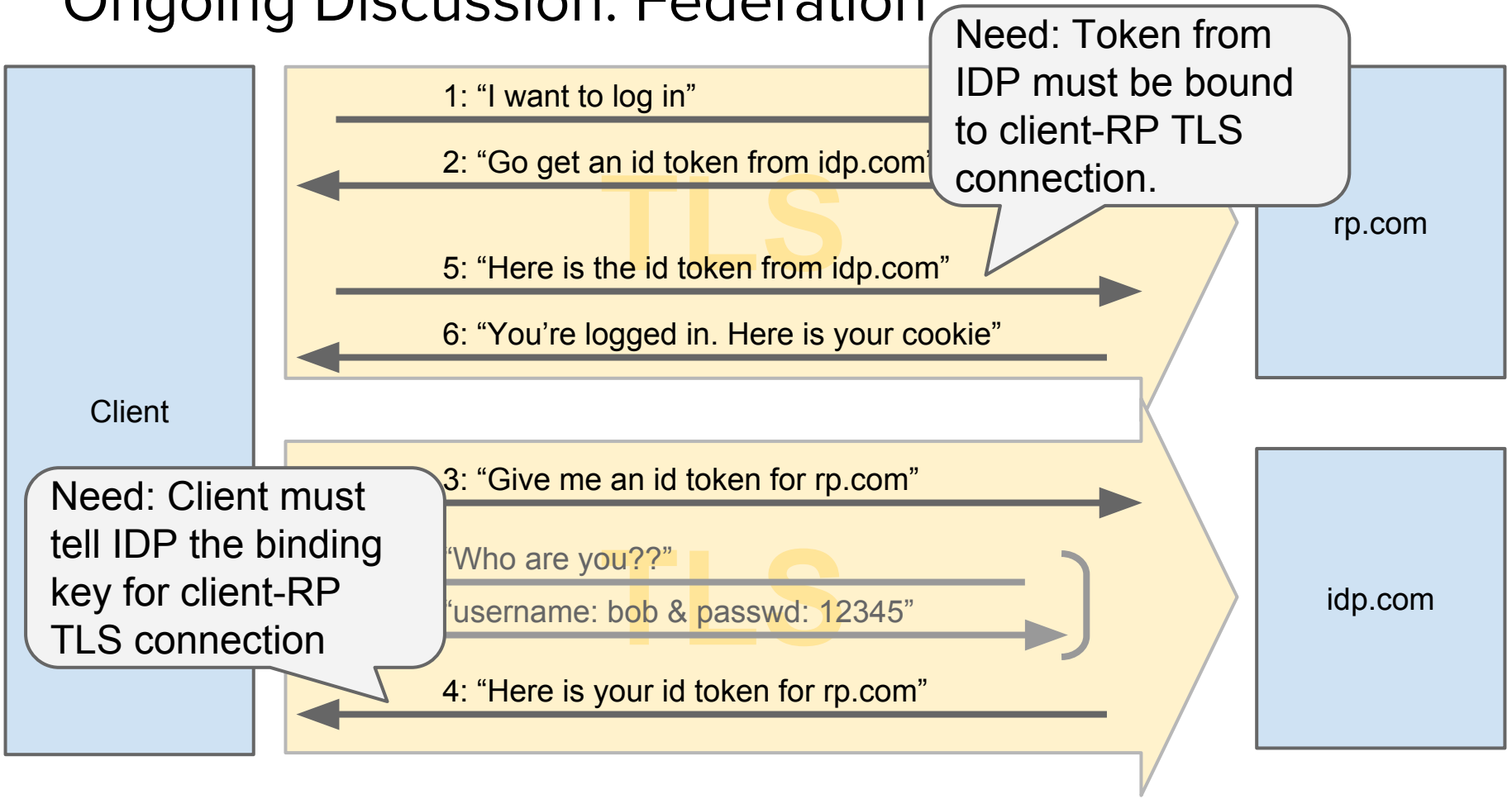
- Key ideas (still) that UA should
  - Use different Token Binding Key for different public suffix (eTLD+1)

  - Provide privacy parity for existing behavior
    - Allow users to delete TB Keys like they can Cookies
    - Auto-delete TB Keys like Cookies at the end of Private Browsing Mode

Token Binding Federation

- Added Federation Example
  - Adding Token Binding Id into OpenID Connect ID Token
- Include-Referer-Token-Binding-ID header honored only if Token Binding in use
- Minor edits for clarity

Ongoing Discussion: Federation



Links And Contact Information

- TLS Extension for Token Binding Negotiation: https://datatracker.ietf.org/doc/draft-ietf-tokbind-negotiation/
- The Token Binding Protocol Version 1.0: https://datatracker.ietf.org/doc/draft-ietf-tokbind-protocol/
- Token Binding over HTTPS: https://datatracker.ietf.org/doc/draft-ietf-tokbind-https/
- GitHub: https://github.com/TokenBinding/Internet-Drafts
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