

draft-ietf-oauth-browser-based-apps-00

OAuth 2.0 for Browser-Based Apps

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- Includes recommendations for implementors building browser-based apps using OAuth 2.0
- "Browser-based apps" are defined as applications running solely in a browser with no server-side component

OAuth 2.0 for Browser Based Apps

- **MUST** use the OAuth 2.0 authorization code flow with the PKCE extension
- **MUST NOT** return access tokens in the front channel (e.g. no Implicit flow)
- **MUST** use the OAuth 2.0 state parameter to carry one-time use CSRF tokens
- The AS **SHOULD** require an exact match of the redirect URI
- The AS **SHOULD NOT** issue refresh tokens to browser-based apps

High Level Questions

- Should the scope of this document be pure-JS apps, or broaden to any web app using JavaScript even if it has a backend component?
- With the Security BCP recommending PKCE for CSRF instead of state, should this document follow suit?
- Is there anything in the Security BCP that either does or does not work easily in browsers that we should handle differently here?

Specific Questions

- Does anyone have a deployment scenario that requires matching only the hostname of the redirect URL?
- For PKCE, is S256 reasonable to require in JavaScript? (are there good browser APIs or JS libraries for this?)
- Should we also disallow the password grant in JS apps?

Q & A