Package: solidauthr (via r-universe)

October 9, 2026

Type Package

Title Solid OIDC Client Credentials Authentication

Version 0.1.2

Description Authenticates against Community Solid Server identity providers using OAuth client credentials with DPoP proofs and performs authenticated requests against Solid resources.

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Encoding UTF-8

Depends R (>= 4.1.0)

Imports httr2, jose, jsonlite, openssl, R6, uuid

Suggests testthat (>= 3.0.0)

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URL https://github.com/SetMeld/solidauthr

BugReports https://github.com/SetMeld/solidauthr/issues

Config/pak/sysreqs libssl-dev

Repository https://setmeld.r-universe.dev

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`solidauthr-package` *solidauthr: Solid OIDC Client Credentials Authentication*

Description

Utilities for authenticating against Community Solid Server identity providers with OAuth client credentials and DPoP, then issuing authenticated requests to Solid resources.

`solid_session` *Create a Solid OIDC session*

Description

Discovers the issuer's OpenID configuration, creates a session-scoped DPoP key, obtains DPoP-bound access tokens with the `webid` scope, and attaches fresh DPoP proofs to outgoing Solid requests.

Usage

```
solid_session(issuer, client_id, client_secret, safety_margin = 30L)
```

Arguments

`issuer`	A length-1 character vector giving the issuer base URL for a Community Solid Server identity provider.
`client_id`	A length-1 character vector giving the OAuth client ID.
`client_secret`	A length-1 character vector giving the OAuth client secret.
`safety_margin`	A number of seconds to subtract from token expiry when deciding whether a token should be refreshed.

Value

An R6 `SolidSession` object with methods for authenticated HTTP requests and access-token retrieval.

Examples

```
issuer <- Sys.getenv("SOLID_ISSUER")
client_id <- Sys.getenv("SOLID_CLIENT_ID")
client_secret <- Sys.getenv("SOLID_CLIENT_SECRET")

if (nzchar(issuer) && nzchar(client_id) && nzchar(client_secret)) {
  session <- solid_session(
    issuer = issuer,
    client_id = client_id,
```

```
    client_secret = client_secret
  )

  session$token()
}
```

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