Raw-Public-Key and Pre-Shared-Key as OAuth client credentials

By Samuel Erdtman and Ludwig Seitz

Acknowledgements

This document is highly inspired by [I-D.ietf-oauth-mtls] written by B. Campbell, J. Bradley, N. Sakimura and T. Lodderstedt.

Client credentials is an OAuth 2.0 grant type.

Client credentials is an OAuth 2.0 grant type.

Client credentials are used when **the client makes requests on its own behalf**, not on the user's behalf (resource owner).

Client credentials is an OAuth 2.0 grant type.

Client credentials are used when **the client makes requests on its own behalf**, not on the user's behalf (resource owner).

Client credentials are often a suitable credential type in constrained environments where **provisioning of credentials is an administrator task** and not a user task.

Client credentials is an OAuth 2.0 grant type.

Client credentials are used when **the client makes requests on its own behalf**, not on the user's behalf (resource owner).

Client credentials are often a suitable credential type in constrained environments where **provisioning of credentials is an administrator task** and not a user task.

Client credentials as defined by the OAuth 2.0 framework is **username and password**, which is **not as suitable for constrained devices**.

Two new OAuth Client Credentials

Raw-Public-Key

(D)TLS handshake is done according to [RFC7250] to authenticate the client.

Pre-Shared-Key

(D)TLS handshake is done according to [RFC4279] to authenticate the client

Scope

In Scope

Token requests and

Introspection requests

Out of Scope

Client binding of resource requests

Relates to

draft-ietf-ace-oauth-authz

Specifies how OAuth 2.0 is adapted to constrained environments.

Relates to

draft-ietf-ace-oauth-authz

Specifies how OAuth 2.0 is adapted to constrained environments.

draft-ietf-ace-dtls-authoriz

Specifies a profile using for the ACE framework using DTLS

Relates to

draft-ietf-ace-oauth-authz

Specifies how OAuth 2.0 is adapted to constrained environments.

draft-ietf-ace-dtls-authoriz

Specifies a profile using for the ACE framework using DTLS

draft-ietf-oauth-mtls

Specifies how to use X.509 certificates as OAuth 2.0 client credentials