SSO configuration

Language: Deutsch · **English**

SSO configuration

> **Single sign-on via OAuth2/OIDC – callback URL, user mapping, sessions and two-factor authentication.**

HOW-TO | ADMINISTRATOR | UPDATED: JUL 2026 | APPLIES TO NUCLOS 4.2026.X

On this page

Menu *Administration SSO configuration*. Nuclos supports single sign-on via **OAuth2** and **OpenID Connect (OIDC)** using the authorization code grant.

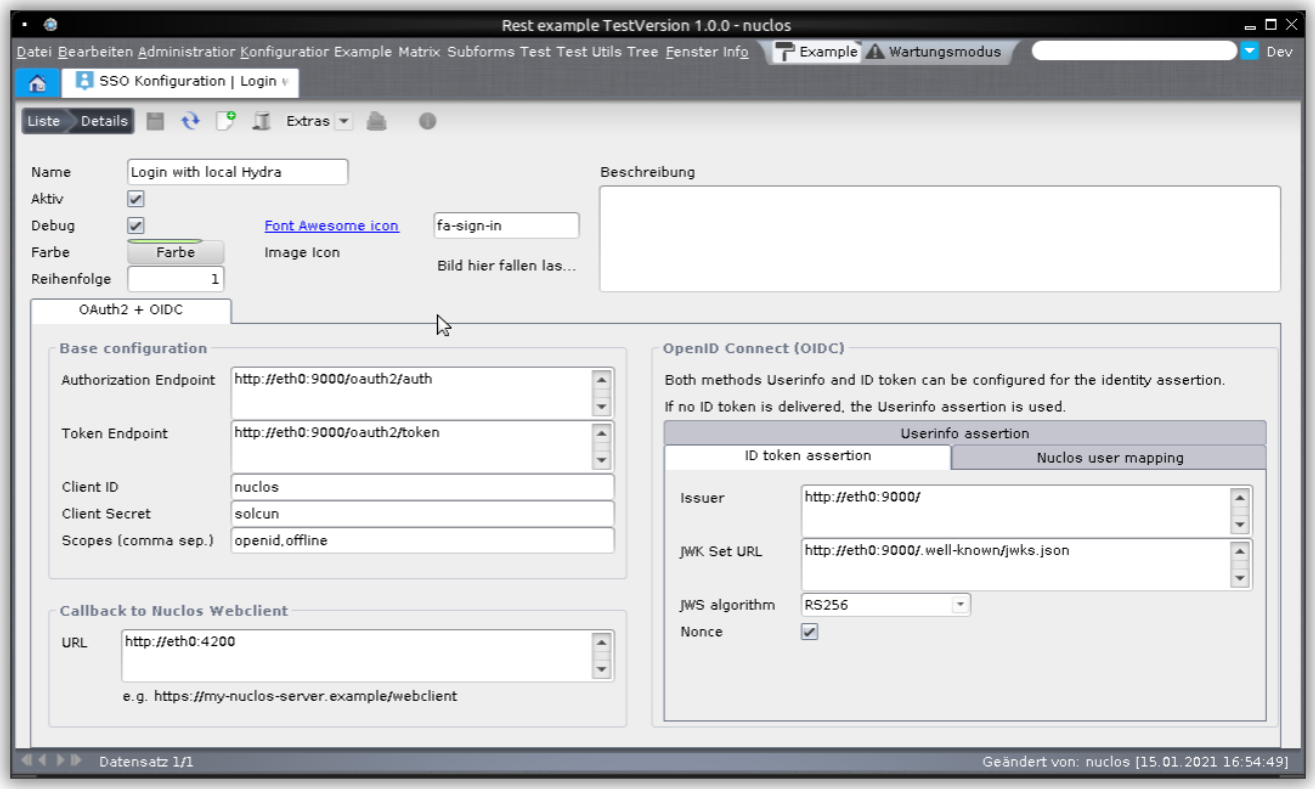
Login from the client's perspective

Active services are offered as a login button when a client starts. The **rich client** uses the web client: the button opens the browser, guides through authentication and thereby also authorizes the rich client. The **web client** starts the process directly.

SSO login buttons at client start.

Configuration

The available SSO services are maintained in the *Administration* menu.



Configuring SSO services.

Callback URL to the web client

Always specify the **root path of the web client** at which a browser actually reaches it (consider load balancer/reverse proxy), e.g. `https://my-nuclos-server.example/webclient`.

OAuth2 settings

The required values are provided by your SSO provider. For testing, enable **debug** – log output goes to `server.log`.

OIDC: determining the user

User info comes either from an **ID token** (tab *ID token assertion*, preferred) or from the **userinfo endpoint** (tab *Userinfo assertion*). The ClaimsSet must yield the e-mail or user name of the Nuclos user; the matching attribute is configured under **Nuclos user mapping** (e-mail first, then user name).

> **E-mail prerequisite**
>
> For lookup via e-mail address the user must have **allow login with e-mail address** enabled.

Session, logout & cluster

- Refresh tokens are renewed regularly; without valid renewal the user is logged out (the rich client closes – so provide refresh tokens).
- The `JSESSIONID` remains decisive; this spares the OAuth2 service.
- A Nuclos logout is (not yet) forwarded to the OAuth2 service and vice versa.
- In cluster operation **sticky sessions** are mandatory (SSO tokens reside only on the respective application server).

Two-factor authentication (2FA)

- **Acr values** (from 4.2022.36): enforces certain login methods via `acr_values` (e.g. 2FA); the value is system-specific.
- **Auth level** (from 4.2022.38, beta): numeric comparison value – only set with known compatibility.

Related pages

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