

# Identity Providers (IDPs)

See the following for more information on IDPs supported in this release of the OpenID Connect Provider from BankID:

- [BankID](#)
  - [Login hints \(BankID\)](#)
  - [JS Connector \(BankID\)](#)
  - [Customization \(BankID\)](#)
- [xID](#)
  - [Login hints \(xID\)](#)
  - [JS Connector \(xID\)](#)
  - [Customization \(xID\)](#)

Each IDP option is associated with a Name and Level of Assurance (LoA) codified via attributes called `amr` (Authentication Method Reference) and `acr` (Authentication Context Class Reference), respectively. These attributes can be included in the request from an ODIC Client to the [Authorize](#) endpoint at the OIDC Provider to request either a particular IDP (`amr`) or any IDP at a particular LoA (`acr`). A standard and designated request parameter exists for the `acr` attribute. Since there is no corresponding request parameter for the `amr` attribute, the OIDC Provider from BankID supports `amr` values codified as part of the `login_hint` parameter.

Successful authentication via one of the supported IDPs results in an [ID Token](#) being returned to the requesting OIDC Client. A key feature of the ODIC Provider is to return ID Tokens with uniform characteristics regardless of the IDP being used in any particular case.

Note that an ID Token also contains values for the `amr` and `acr` attributes, corresponding to the IDP actually being used. These values may be different from corresponding values provided in the request from the OIDC Client to the Authorize endpoint. One example is if more IDP options meet the `amr/acr` criteria of the Authorize request. In this case an IDP selector dialog is presented for the user to resolve which IDP to use. Another example is if the selected IDP involves step-up to another IDP.

The OIDC Provider supports JavaScript Connectors for each of the supported IDPs. A connector is a wrapper for the REST API that simplifies integration for front-end applications and ensures that the REST API is used in the intended way. The supported Connectors have strong similarities but are also different according to the individual characteristics of each IDP.

Note finally that the user experience for any IDP may be customized depending on the specific policy and ruleset that applies for each IDP. See also general information on [user experience](#) and [customization of user experience](#).

For further information, see separate sections on `login_hint`, JS Connector and Customization for each of the supported IDPs.