OpenID Connect Dynamic Client Registration 1.0 : Implementation within WSO2 Identity Server 5.3.0

OpenID Connect 1.0 is a simple identity layer on top of the OAuth 2.0 protocol. It enables Clients to verify the identity of the End-User based on the authentication performed by an Authorization Server, as well as to obtain basic profile information about the End-User in an interoperable and REST-like manner.

This specification defines how an OpenID Connect Relying Party can dynamically register with the End-User's OpenID Provider, providing information about itself to the OpenID Provider, and obtaining information needed to use it, including the OAuth 2.0 Client ID for this Relying Party.

Client Registration Request

To register a new Client at the Authorization Server, the Client sends an HTTP POST message to the Client Registration Endpoint with any Client Metadata parameters that the Client chooses to specify for itself during the registration. The Authorization Server assigns this Client a unique Client Identifier, optionally assigns a Client Secret, and associates the Metadata given in the request with the issued Client Identifier.

Sample Requests

Send Registration Request

POST /identity/connect/register
Content-Type: application/json
Accept: application/json
Host: server.example.com

Request Body

```json
{
   "redirect_uris": ["server.example.com"],
   "client_name": "application_1",
   "ext_param_owner": "application_owner",
   "grant_types": ["password"]
}
```

Response

HTTP/1.1 201 Created
Content-Type: application/json

Response Body

```json
{
      "client_id": "s6BhdRkqt3",
      "client_secret":
      "ZJYCqe3GGRvdrudKyZS0XhGv_Z45DuKhCUk0gBR1vZk",
      "client_secret_expires_at": 1577858400,
      "redirect_uris":
      ["server.example.com"],
      "client_name": "application_owner_application_1"
}
```

Error Response

HTTP/1.1 400 Bad Request
Content-Type: application/json

Response Body

```json
{
"error": "invalid_redirect_uri",
"error_description": "One or more redirect_uri values are invalid"
}
```

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Client Delete Request

To deprovision itself on the authorization server, the client makes an HTTP DELETE request to the client configuration endpoint.
DELETE /identity/register/VOIOGO5i1gvhLeEp7RrXG7hfVqIa HTTP/1.1
Host: server.example.com

Adding 'client_id' value as a url path variable.