



# Oracle Integration- Factory API and CI/CD Options

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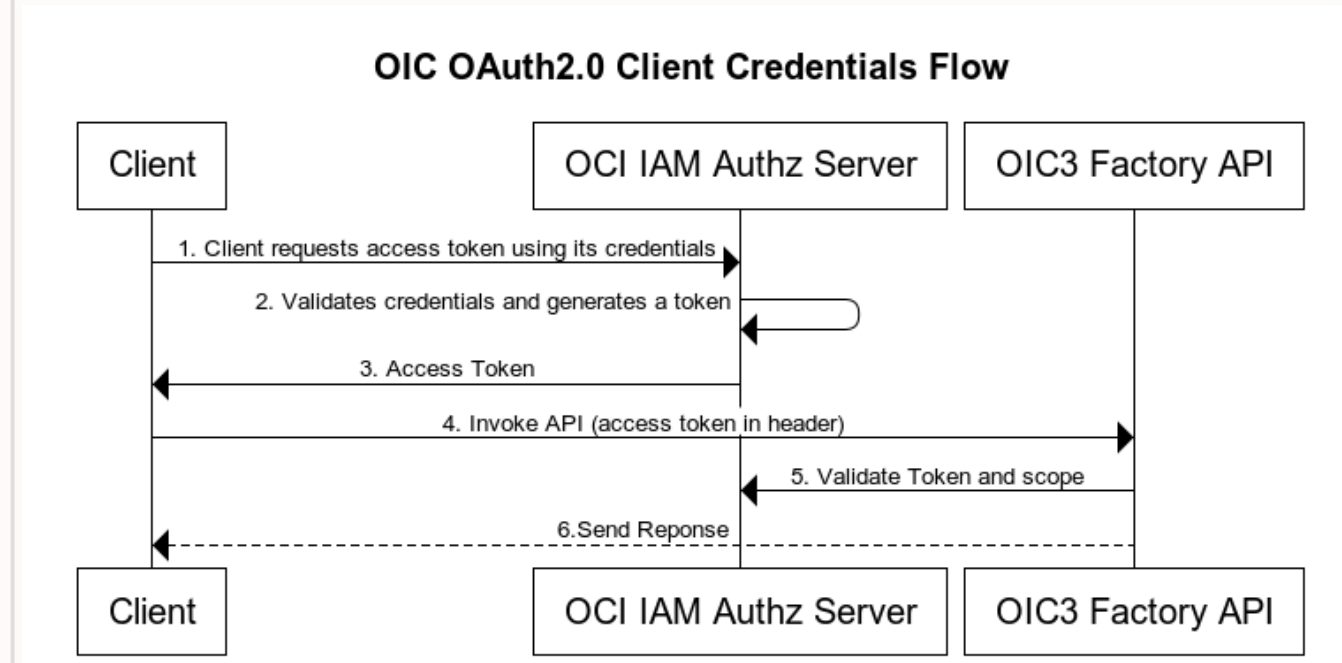
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# OIC Factory API & AuthN and AuthZ

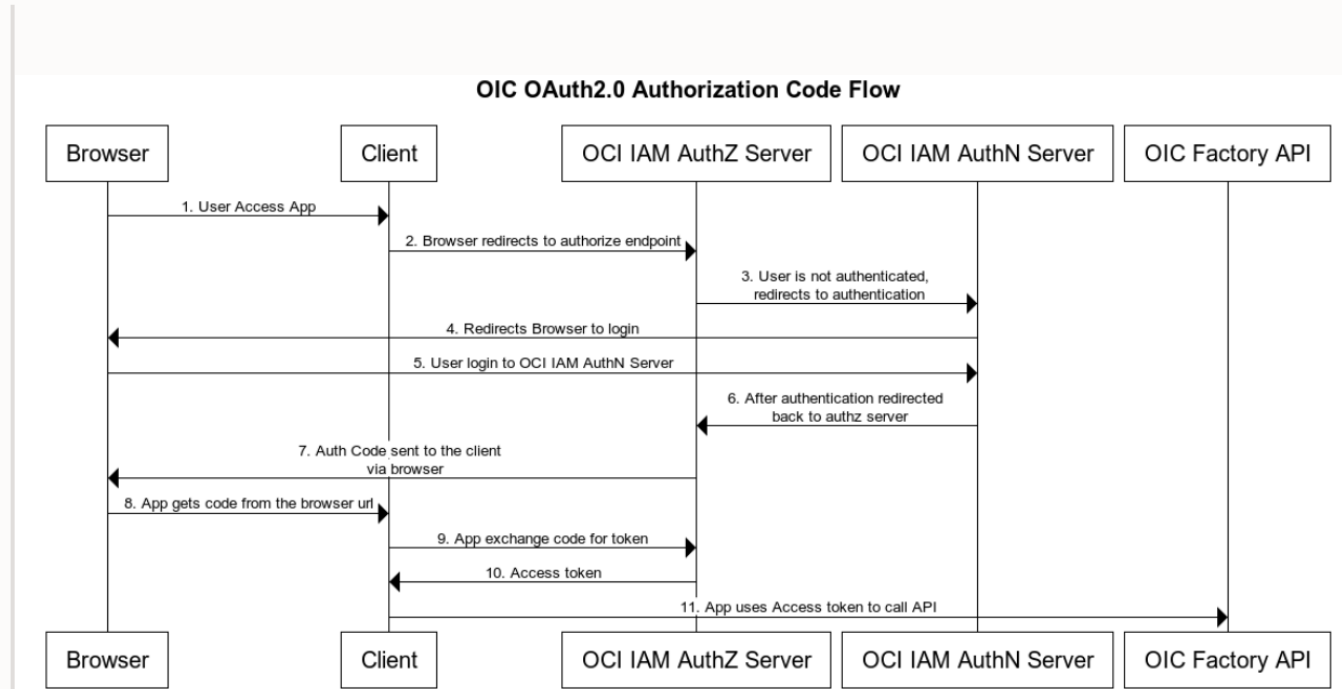
# OIC OAuth2.0 Client Credentials Flow

- The Client authenticates with AuthZ server's token endpoint and gets an access token in return
- The Client Uses the access token to invoke the API and gets the protected data in return
- *\* Before the flow begins, the client application registers itself with the OCI IAM authorization server. As part of the registration, the client choses the flow (grant type) as client credentials and also choses the app role or roles that it needs to access the APIs*



# OIC OAuth2.0 Authorization Code Flow

- The Client submits an request through a browser to the authorization server's authorize endpoint
- The Authz Server authenticates the user and asks the user to approve or deny consent for the client to access the user's resource
- In return the client gets an authorization code that it exchanges for an access token at the token endpoint.
- The client uses the access token to invoke the API and get protected data in return
- \* Before the flow the client registers an app with the OCI IAM authorization server



# OIC Factory API

## ▼ Projects

- Delete a Project
- Export a Project
- Import(Add) a Project
- Retrieve a Project
- Retrieve Projects

## ▸ Connections

## ▸ Deployments

## ▸ Integrations

## ▸ Libraries

## ▸ Lookups

## ▸ RBAC

## ▼ Connections

- Delete a Connection in a Project
- Retrieve a Connection in a Project
- Retrieve Connections in a Project
- Test a Connection in a Project
- Update a Connection in a Project

## ▼ Deployments

- Create a Deployment in a Project
- Delete a Deployment in a Project
- Retrieve a Deployment in a Project
- Retrieve Deployments in a Project
- Update a Deployment in a Project

## ▼ Integrations

- Delete an Integration Version in a Project
- Import (Add) an Integration in a Project
- Retrieve an Integration in a Project
- Retrieve Integrations in a Project
- Update an Integration in a Project





# OIC Monitoring API

## ▼ Monitoring

**Abort an Integration Instance**

**Discard an Errored Integration Instance**

**Discard Errored Integration Instances**

**Download Large Payload in an Integration Instance**

**Resubmit an Errored Integration Instance**

**Resubmit Errored Integration Instances**

**Retrieve an Error Recovery Job**

**Retrieve an Errored Integration Instance**

**Retrieve an Integration Instance**

**Retrieve Audit Records**

**Retrieve Error Recovery Jobs**

**Retrieve Errored Instances**

**Retrieve Historical Tracking Metrics**

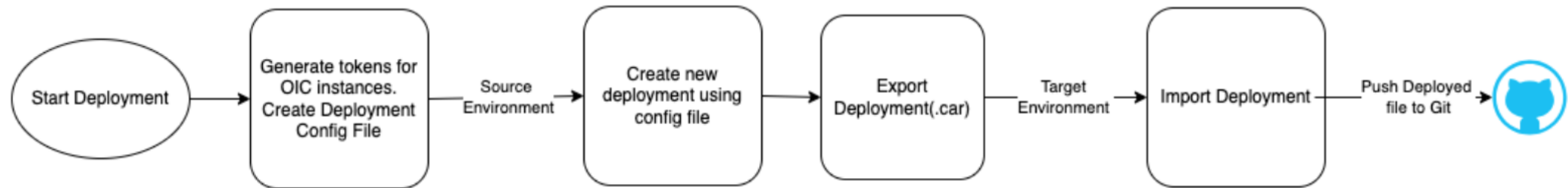
**Retrieve Integration Instance Activity Stream (Deprecated)**

**Retrieve Integration Instance Activity Stream Details**

**Retrieve Integration Instances**

**Retrieve Message Count Summary**

# CI/CD Process in OIC



1. **Create a Deployment** using [Create Deployment API](#). Creating a [deployment](#) is a mandatory step for promoting integrations. Using the deployment [configuration file](#), you can specify which integrations need to be promoted.
2. Once you create deployment you need to **Export** using [Export Project API](#)
3. Then **Import deployment** into target environment using [Import Project API](#). It will create a new project and deployment.
4. Use Other [API](#) mentioned here to update, delete or creating new deployment.
5. Finally push deployed (.car) file to Git with a build number