



Exercises for

# Mastering Liferay Client Extensions

SKO Technical Clinic



# Exercises for Mastering Liferay Client Extensions - SKO 2025 Edition

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## Exercise 1: Creating and Deploying a Batch Client Extension

Here, you'll create a batch client extension to add an object definition in your Liferay instance.

To do this,

1. Using your computer's file manager, go to `[workspace-root]/client-extensions/`.
2. Duplicate the `liferay-sample-batch` folder.

!!! note This client extension project was downloaded from the [Liferay Sample Workspace](#). As a best practice, you can use those examples as the starting point for your client extensions.

3. Rename the duplicate folder to `liferay-clarity-tickets-batch`.
4. Go to the folder.
5. Open the `client-extension.yaml` file using a text editor or IDE.

You'll define the batch client extension's configuration in this file.

6. Replace the file's content with the following code snippet:

```
assemble:
  - from: batch
    into: batch
liferay-clarity-ticket-batch:
  name: Liferay Ticket Batch
  oAuthApplicationHeadlessServer: liferay-clarity-ticket-batch-oauth-
application-headless-server
  type: batch
liferay-clarity-ticket-batch-oauth-application-headless-server:
  .serviceAddress: localhost:8080
  .serviceScheme: http
  name: Liferay Ticket Batch OAuth Application Headless Server
  scopes:
    - C_Ticket.everything
    - Liferay.Headless.Admin.List.Type.everything
    - Liferay.Headless.Batch.Engine.everything
    - Liferay.Object.Admin.REST.everything
  type: oAuthApplicationHeadlessServer
```

7. In the

8. Sign in as the Clarity Admin user.

- Username: **admin@clarityvisionsolutions.com**
- Password: **learn**

9.