



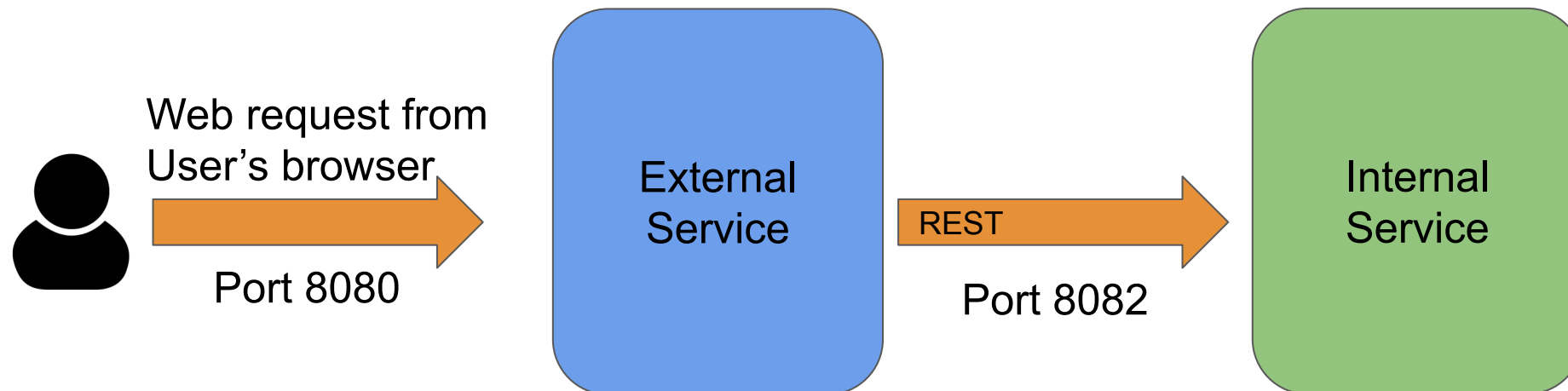
**ROI**TRAINING

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# Cheat Sheet: Case Study Example Starting Point

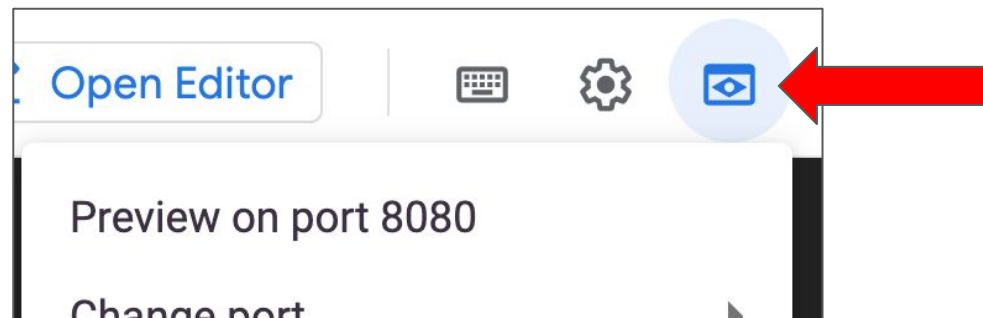
# About the Starting Point App

- The starting point app is provided as an example to help get started
  - Uses nodejs with the express web server on two microservices
- The *internal* service receives REST requests on port 8082 and returns mock data
- The *external* service inserts json from the server into an html template in the Views folder and returns it to the requestor on port 8080



# Using the Startpoint

- In Google Cloud Shell
  - `wget https://storage.googleapis.com/deloitte-training/sample-master.zip`
  - `unzip sample-master.zip`
  - `cd sample-master/`
  - Follow the readme file
- Once the app is running in cloud shell, it can be tested with the **Preview on port 8080**
  - **Instead of localhost as mentioned in the readme**



# Customizing the App

- Once you get the app running, customize the app by changing the “Welcome to [TEAM NAME'S] application” message.
  - Edit the **external/views/layouts/default.hbs** file
  - This is a express-handlebars template
- Throughout the course, you will add additional features to the app
  - Add a location to the event
  - Ability to “like” an event
  - Ability to add images to events
  - Save the events to a database
    - Currently all data just saved in memory
  - Etc.
- Take a look at **home.hbs** in the **external/views/** folder

# Dependencies

- The external and internal services both use the following npm packages:
  - express: a web server <https://www.npmjs.com/package/express>
  - body-parser to convert json and form data in the request into parameters.  
<https://www.npmjs.com/package/body-parser>
  - mocha, chai and supertest (for unit testing)  
<https://www.npmjs.com/package/mocha> <https://www.npmjs.com/package/chai>
  - <https://www.npmjs.com/package/supertest>
  - nyc for code coverage reporting <https://www.npmjs.com/package/nyc>
  - The external service uses the following additional libraries:
    - express-handlebars ( a templating library)  
<https://github.com/ericf/express-handlebars>
    - nock (for mocking the api call) <https://www.npmjs.com/package/nock>