

# Dev Center Gamma Depth Application

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This is a sample application for Corva Dev Center.

Corva apps are serverless applications that run in AWS Lambda. AWS Lambda Getting Started: <https://aws.amazon.com/lambda/getting-started/>

Type: Real Time (Stream) SDK: node-stream-lambda

## Contents

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- config
  - app configurations
    - default.yml - default configurations for the app
    - custom-environment-variables.yml - environment variables that override default configurations
- src
  - app source code
- test-sources
  - source data for the Local Testing Framework
- .corvarc.js
  - configurations for the Local Testing Framework
- index.js
  - Lambda handler file
- manifest.json
  - manifest file that defines app settings in Corva

## Prerequisites

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- OS X or Linux-based system is preferred (not required)
- [Docker Desktop](#) installed
- [Node.js with NPM](#) installed (via [nvm](#))

## How to use

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### 1. Install Dependencies

```
npm install
```

### 2. Install Corva Local Testing Framework

Local Testing Framework simulates Corva environment by generating events from the given dataset. Datasets located in `test-sources` are loaded automatically.

```
npm i -g @corva/local-testing-framework
```

### 3. Build the application

```
docker build -t dev-center-gamma-depth .
```

### 4. Run application using Local Testing Framework

```
corva local
```

Logs are written to `output/dev-center-gamma-depth_*.log` file.

## Deployment

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Run `npm run bundle` to create a zip package that can be uploaded to Dev Center.