

CosmWasm IDE Tutorial

Steps

1. Setting up the CosmWasm IDE development environment

To setup your workspace with all the necessary tools & libraries for developing the CosmWasm smart contracts, please click button `Open` in Gitpod below. Gitpod will automatically install everything you need to deploy a smart contract.

2. Create a smart contract project (optional).

After your workspace is ready, follow the next steps.

You can use the command below to get a CosmWasm scaffold project

```
cd package/ &&
```

```
git clone https://github.com/oraichain/oraiwasm_scaffold.git &&
```

cd

3. Choose an arbitrary file in the project.

4. Use VSCode CosmWasm extension to build, deploy, and interact with the smart contract.

The extension provides four custom VS Code buttons: `Build CosmWasm`, `Deploy CosmWasm`, `Upload CosmWasm` and `Instantiate CosmWasm` under the status bar of Vs Code and a `CosmWasm IDE Explorer` under the `Explorer` tab of VS Code.

- `Build CosmWasm`
- button will build the smart contract to the `.wasm` file based on the file you open in VS Code.
- `Deploy CosmWasm`
- button will deploy your contract onto a network that you choose on the `CosmWasm IDE explorer`.
- `Upload CosmWasm`
- button will upload your smart contract code.
- `Instantiate CosmWasm`
- button will instantiate your smart contract given a code id.

Please note that the IDE will read all the json schemas of a project from the location `{project_root_path}/artifacts/schema` or `{project_root_path}/schema`.

As a result, if the schemas are in a different location, the IDE will not be able to move to the next page.

5. Interacting with the IDE webview

After deploying or instantiating, the webview will display the deployed contract address & two interaction options: `Execute & Query`. You can freely play with it to suit your needs. [Previous Smart contract as an actor](#) * [Steps](#) * [1. Setting up the CosmWasm IDE development environment](#) * [2. Create a smart contract project \(optional\).](#) * [3. Choose an arbitrary file in the project.](#) * [4. Use VSCode CosmWasm extension to build, deploy, and interact with the smart contract.](#) * [5. Interacting with the IDE webview](#)