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[#Copy link](https://ida.interchain.io/tutorials/2-setup/#set-up-your-work-environment) **Set Up Your Work Environment**

On this page, you can find helpful links to set up your work environment for all hands-on sections.



In this section, you can find all you need to install:

* [Docker (opens new window)↗](https://www.docker.com/)
* [Go (opens new window)↗](https://go.dev/)
* [Node.js (opens new window)↗](https://nodejs.org/en/)
* [Rust (opens new window)↗](https://www.rust-lang.org/)
* [Visual Studio Code (opens new window)↗](https://code.visualstudio.com/)

On a general note, it is advisable to **prepare a separate project folder to keep all your Cosmos exercises**.

[#Copy link](https://ida.interchain.io/tutorials/2-setup/#install-docker) Install Docker

Docker is very helpful to do the exercises. So you may need to install Docker. To install, head to the [Install Docker Engine page (opens new window)↗](https://docs.docker.com/engine/install/). If you are new to Docker have a look at this [quick introduction](https://ida.interchain.io/tutorials/5-docker-intro/).

[#Copy link](https://ida.interchain.io/tutorials/2-setup/#install-go) Install Go

You need Go to develop with the Cosmos SDK. If you still need to install Go on your system, head to the [Go download and install page (opens new window)↗](https://go.dev/doc/install).



Picking the latest version of Go should do.

[#Copy link](https://ida.interchain.io/tutorials/2-setup/#install-node-js) Install Node.js

To develop with CosmJS, you need Node.js. Just head to the [Node.js download page (opens new window)↗](https://nodejs.org/en/download/) to install it.



You should install the latest version of Node.js.

[#Copy link](https://ida.interchain.io/tutorials/2-setup/#install-rust) Install Rust

To work with Rust, you may need to install it first. You can find a well-documented install step-by-step in the [Install page from Rust (opens new window)↗](https://www.rust-lang.org/tools/install).

To check that you are up-to-date run:



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$ rustc --version

If you already installed the Rust toolchain, you can update your installation by running:



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$ rustup update

To test the installation of Rust, you can use the following command:



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$ cargo version

It displays the cargo version and helps confirm proper installation.

[#Copy link](https://ida.interchain.io/tutorials/2-setup/#install-visual-studio-code) Install Visual Studio Code

This integrated development environment assists both with developing with the Cosmos SDK and CosmJS. To install it, please go to the [Visual Studio Code install page (opens new window)↗](https://code.visualstudio.com/Download). Then select depending on your operating system (OS).



The first time you open a Cosmos SDK project with Visual Studio Code, it offers to install a Go plug-in. You can go ahead and accept it.

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Community

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Contributing

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