



Ginan Workshop – Docker Guide

1. Prerequisites – Install Docker Desktop

1.1 - Windows

Please see the instructions below for installing Docker on Windows:

<https://docs.docker.com/desktop/install/windows-install/>

1.2 - MacOS

For instructions on how to set up Docker for MacOS, please refer to:

<https://docs.docker.com/desktop/install/mac-install/>

2. Find and Download the Ginan Docker Image

Once you have Docker Desktop installed and configured, you will be able to invoke and run Docker not only through the application they provide, but also via your Terminal / PowerShell.

We will be using the command line, so this later option is what we will cover here.

You can either download the Ginan Image via the Desktop App, or, simply run the following command in your terminal / PowerShell window:

```
docker run -it -v ${host_data_folder}:/data gnssanalysis/ginan:v3.0.0 bash
```

Make sure to replace `${host_data_folder}` with the full path to your preferred location in your directory structure. An example of this would be something like:

```
e.g. docker run -it -v C:\Users\JaneSmith\Documents:/data gnssanalysis/ginan:v3.0.0 bash
```

If you do not have the Image downloaded already, this step will automatically download it for you.

Otherwise, if you have downloaded the Image via the Docker Desktop App, run the command above to begin running a Docker Container – this will be like having a Linux terminal on your machine.

An important part of the above command is

```
-v ${host_data_folder}:/data
```

This mirrors your local directory `${host_data_folder}` to the `/data` inside the Container. Therefore, any files you download or create in `/data` will mirror to your local directory `${host_data_folder}`.

Before moving on further, we will need to change from the directory you land in in the Container, to a place on your machine. This can be done by running the following:

```
cd /data
```

You are now ready to continue on with ***Ginan Workshop - Running Ginan - IGNSS2024 - 6 Feb.docx***