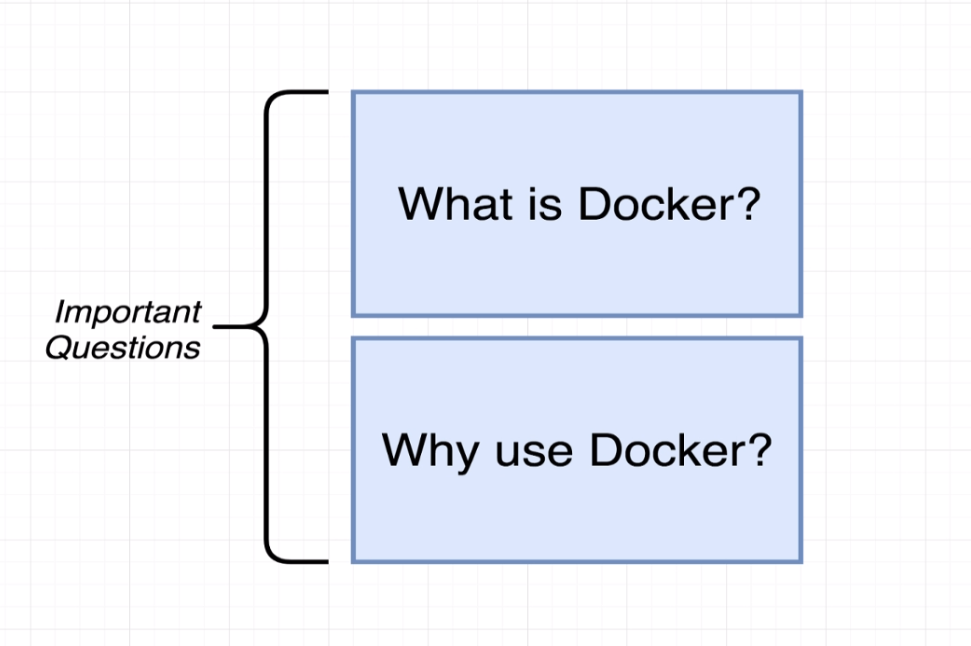
**Why Use Docker:**



Flow for installing software in your personal computer:

Diagram

Description automatically generated

Example: to install a software “Redis”:

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application, email

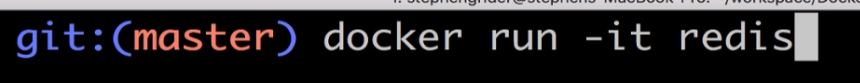
Description automatically generated

Text

Description automatically generated

Endless cycle of troubleshooting.

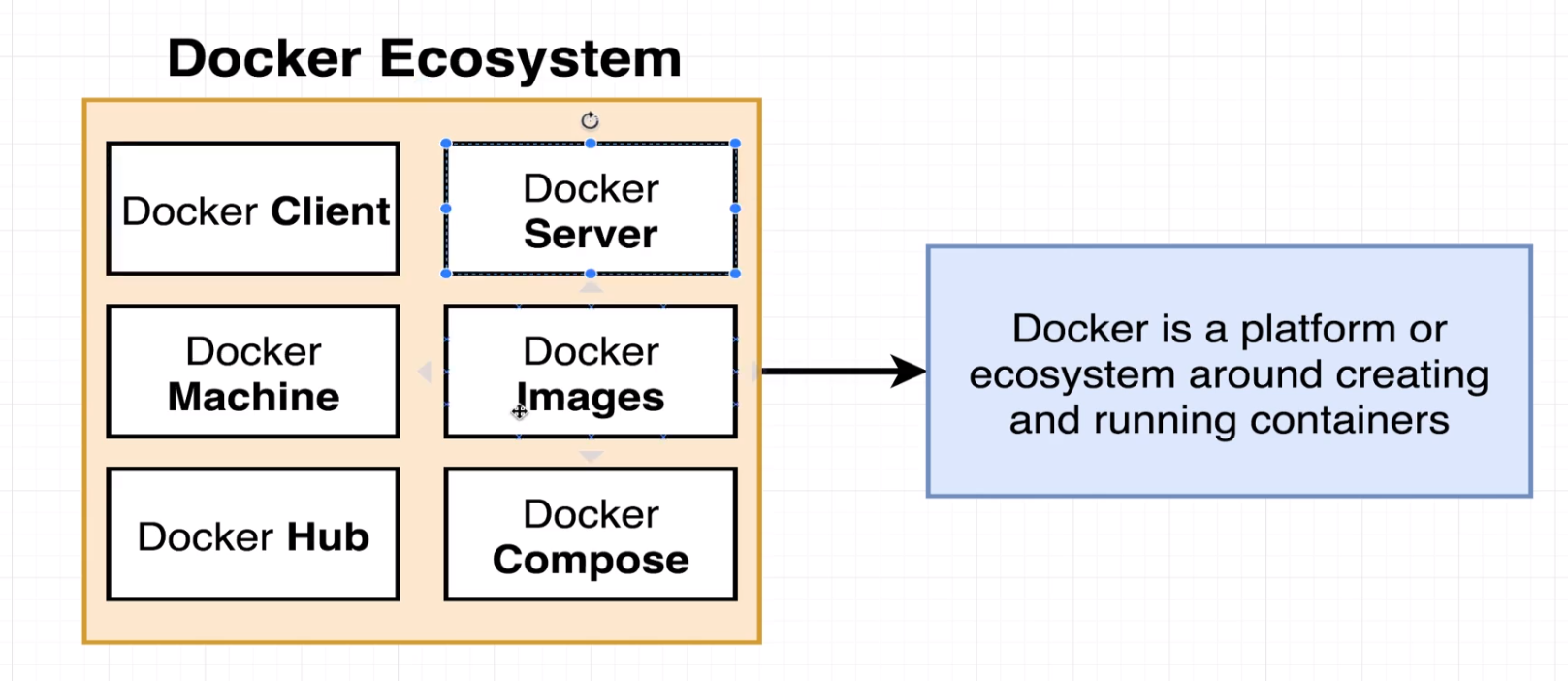
If we use docker, need to run one single command and instance of software will be installed in our computer:



Graphical user interface, application, table, Excel

Description automatically generated

**Docker** **ecosystem of different projects, tools, and pieces of software.**



* When we ran that command at my terminal of *Docker run Redis*, it went through a little series of actions behind the scenes and we're going to examine that entire series of actions very closely over time.
* When we ran that command, something called the Docker CLI reached out to something called the Docker hub and it downloaded a single file called an image.
* An image is a single file containing all the dependencies and all the configuration required to run a very specific program.

$ docker run -it redis