

Tools to be used during the workshop

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We will be using [Jupyter Notebooks](#): an open-source web application that allows you to create and share documents that contain live code, visualizations and narrative text.

[Docs on how to install Jupyter](#)



We will be also using [Binder](#), which is a reproducible, sharable, interactive computing environment in Jupyter.

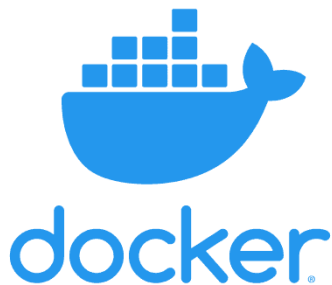


Colaboratory, or “Colab” for short, is a product from Google Research that allows anybody to write and execute arbitrary python code through the browser



[GitHub](#) is a provider of Internet hosting for software development and version control using Git.

[Docs on how to install Git.](#)



[Docker](#) is an open platform for developing, shipping, and running applications, that enables you to separate your applications from your infrastructure so you can deliver software quickly.

[Docs on how to install](#)



Kaggle offers a no-setup, customizable, Jupyter Notebooks environment, and access to GPUs at no cost and a huge repository of community published data and code.

[Docs how to setup](#)

Where to run the ATLAS Open Data software?

Those of you with a CERN account:

lxplus

Those of you with an INFN account:

farmts

Those of you without any of the previous:
on your laptop or ICTP desktop

1) ATLAS Open Data [virtual machine](#)

or

2) ATLAS Open Data [docker image](#)



[SWAN](#) (Service for Web-based ANalysis) is a CERN service that allows users to perform interactive data analysis in the cloud, built upon the widely-used Jupyter notebooks, however it requires a CERN account.



[CVMFS](#) (CernVM File System) is CERN's software distribution service. It was developed to assist HEP collaborations to deploy software on the computing infrastructure used to run data processing.

