**Description**

Take any directory full of stuff that you're working on; web apps, scripts, Jupyter notebooks, data files, whatever it may be.

By adding an anaconda-project.yml to this project directory, a single anaconda-project runcommand will be able to set up all dependencies and then launch the project.

Anaconda projects should run in the same way on your machine, on a colleague's machine, or when deployed to a server.

Running an Anaconda project executes a command specified in the anaconda-project.yml (any arbitrary commands can be configured).

anaconda-project.yml automates project setup; Anaconda can establish all prerequisite conditions for the project's commands to execute successfully. These conditions could include:

* creating a conda environment with certain packages in it
* prompting the user for passwords or other configuration
* downloading data files
* starting extra processes such as a database server

The goal is that if your project runs on your machine, it will also run on others' machines (or on your future machine after you reboot a few times and forget how your project works).

The command anaconda-project init DIRECTORY\_NAME creates an anaconda-project.yml, converting your project directory into an Anaconda project.

**Put another way...**

Traditional build scripts such as setup.py automate "building" the project (going from source code to something runnable), while anaconda-project automates "running" the project (taking build artifacts and doing any necessary setup prior to executing them).

Libraries used :-

1. tensorflow
2. keras
3. numpy
4. matplotlib
5. sklearn

References

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