Conda 101

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The web app component of CourseCraft should be run within a conda environment. Here's how to do that:

Installing Miniconda and Creating the Environment

Windows

1. Download the latest Windows 64-bit release here and follow the installer's instructions.
2. Open the Miniconda terminal prompt.
3. Run **conda env create -f ccenv_windows.yml** to create the **ccenv_windows** environment.

Linux VM Terminal

1. Run **get_conda.sh**
2. Conda is now initialized for bash shell. Run **bash** to open the shell so you can access conda environments.
3. Run **create_env.sh** to create the **ccenv_linux** environment.

Updating ccenv

As we work on the project, we'll most likely be adding packages to the environment as we go, so it's important to keep both the **ccenv_*.yml** files and your local environment current.

Windows

Updating the .yml with newly installed packages: **conda env export > ccenv_windows.yml**

Updating the environment with a more recent .yml: **conda env update --file ccenv_windows.yml --prune**

Linux VM Terminal

Updating the .yml with newly installed packages: **conda env export > ccenv_linux.yml**

Updating the environment with a more recent .yml: **conda env update --file ccenv_linux.yml --prune**

Running CourseCraft in ccenv

Windows

1. Follow these instructions to use an existing conda environment in PyCharm. **ccenv_windows** should have its own folder in the miniconda3 folder you installed. For choosing the interpreter pick the python.exe file in the **ccenv_windows** folder as the interpreter.

Linux VM Terminal

1. Open bash terminal (**$ bash**).
2. Run **conda activate ccenv_linux**
3. **ccenv_linux** should now be active, and you can run the web server from the command line. (Which we haven't implemented yet anyway.)

No labels