Lesson 3

Objective

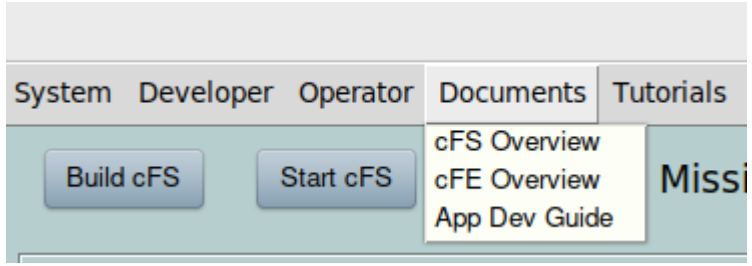
- Provide links to next steps you can take based on your goals

Agenda

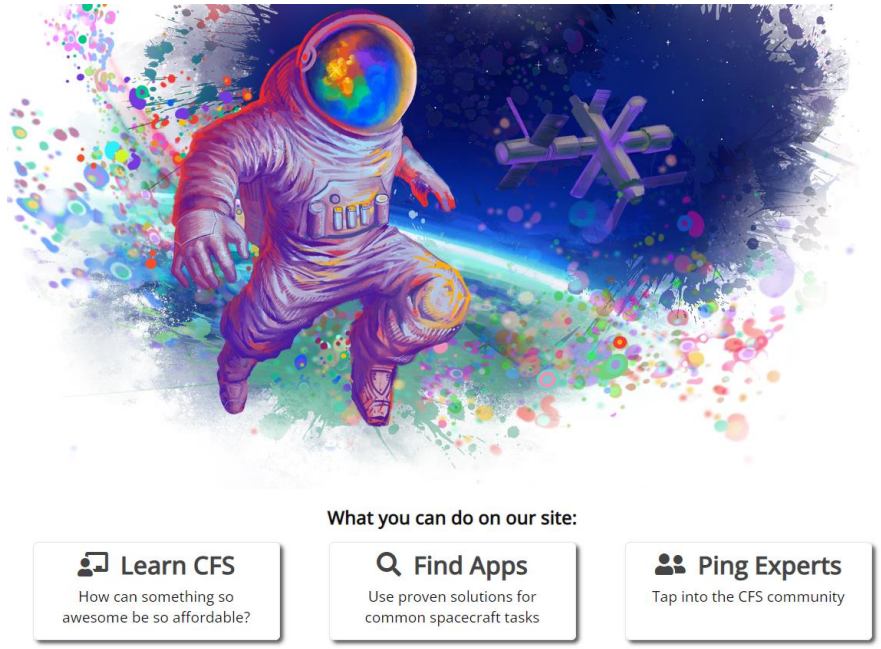
1. Learn the cFS
2. Build and run the cFS details
3. Use the cFS GitHub app exchange
4. Write new apps
5. Control a remote target
6. Build Raspberry Pi projects

Learn the cFS

Basecamp includes introductory cFS material that can be access in cfs-basecamp/docs or from the GUI

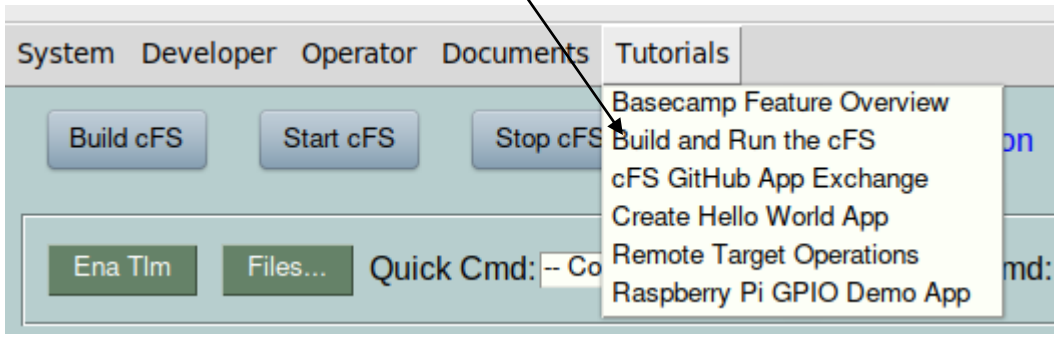


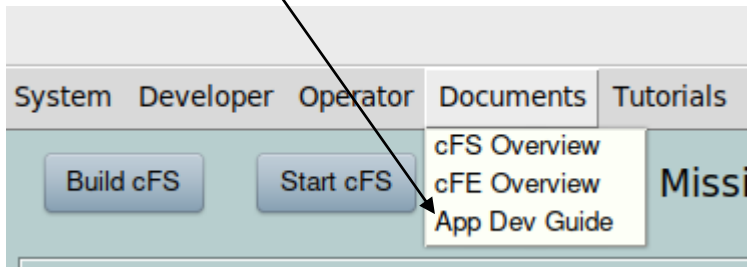
Open Mission Stack https://openmissionstack.com/ contains comprehensive cFS material



Build and Run cFS Details

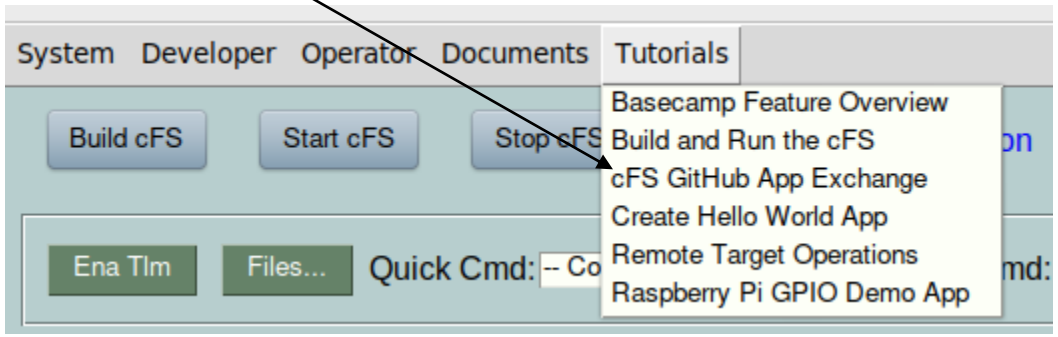
The *Build and Run the cFS* tutorial and the *App Dev Guide* describe the details of building and running Basecamp's cFS target

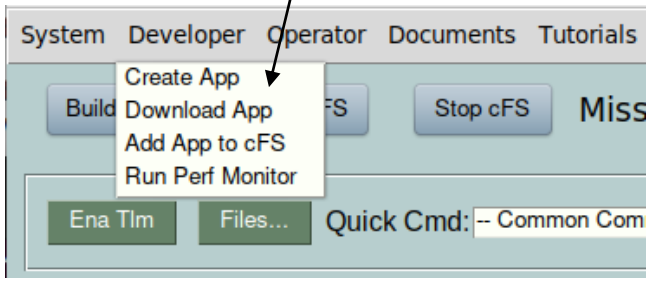


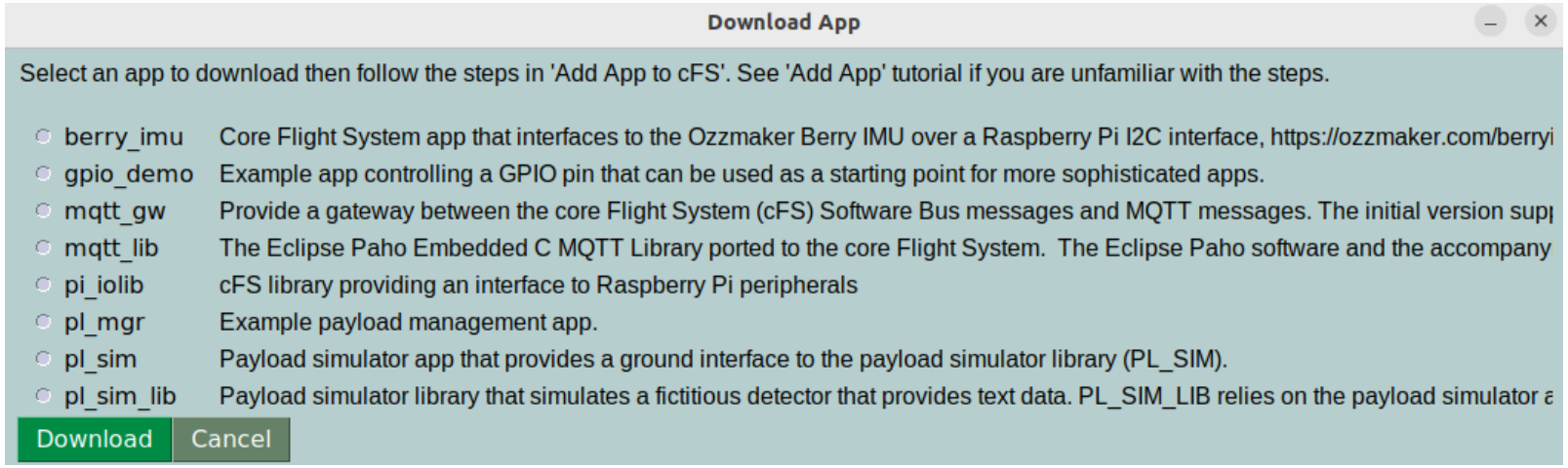


Use the cFS Github App Exchange

The *cFS GitHub App Exchange* tutorial describes how to use Basecamp's github cfs-app repo interface to download and integrate apps into your system

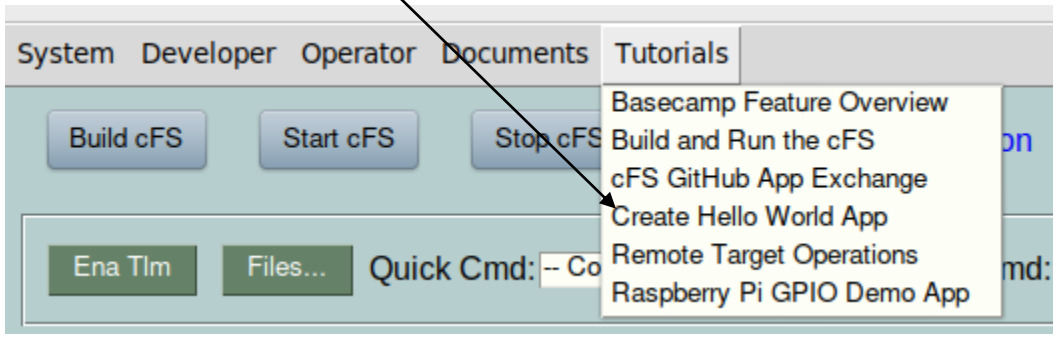




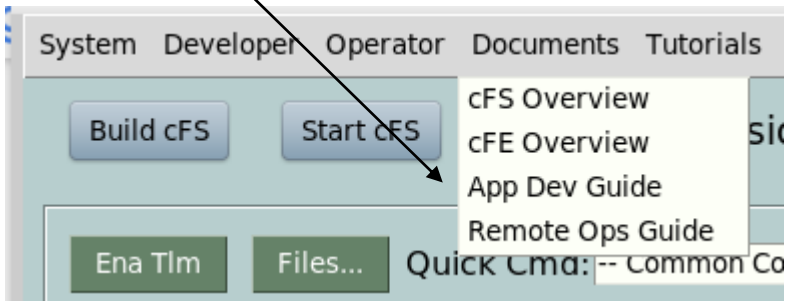


Write New Apps

The *Create Hello World App* tutorial helps you create your first cFS app

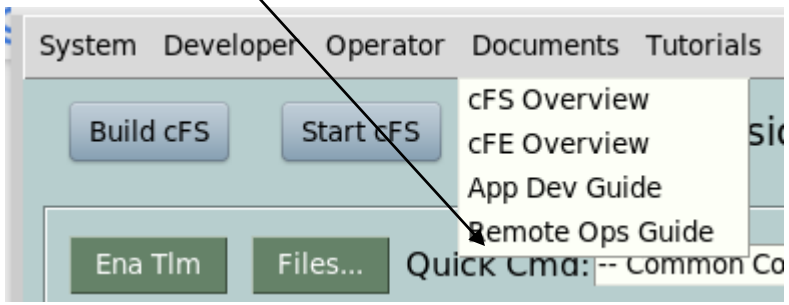


The *Basecamp App Developer's Guide* provides in depth material for writing apps

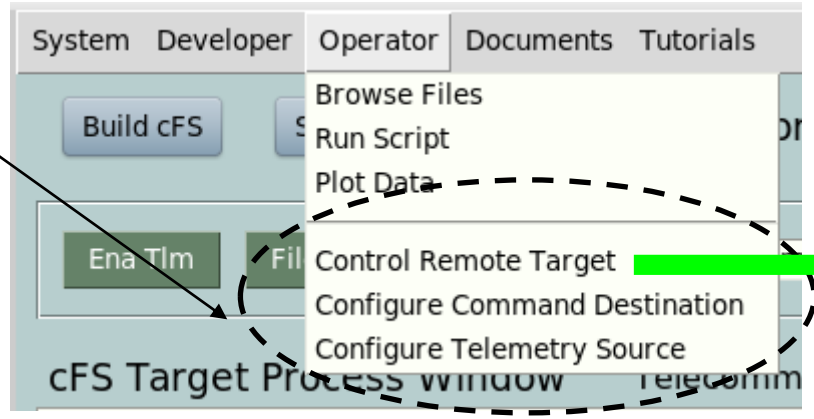


Control a Remote Target

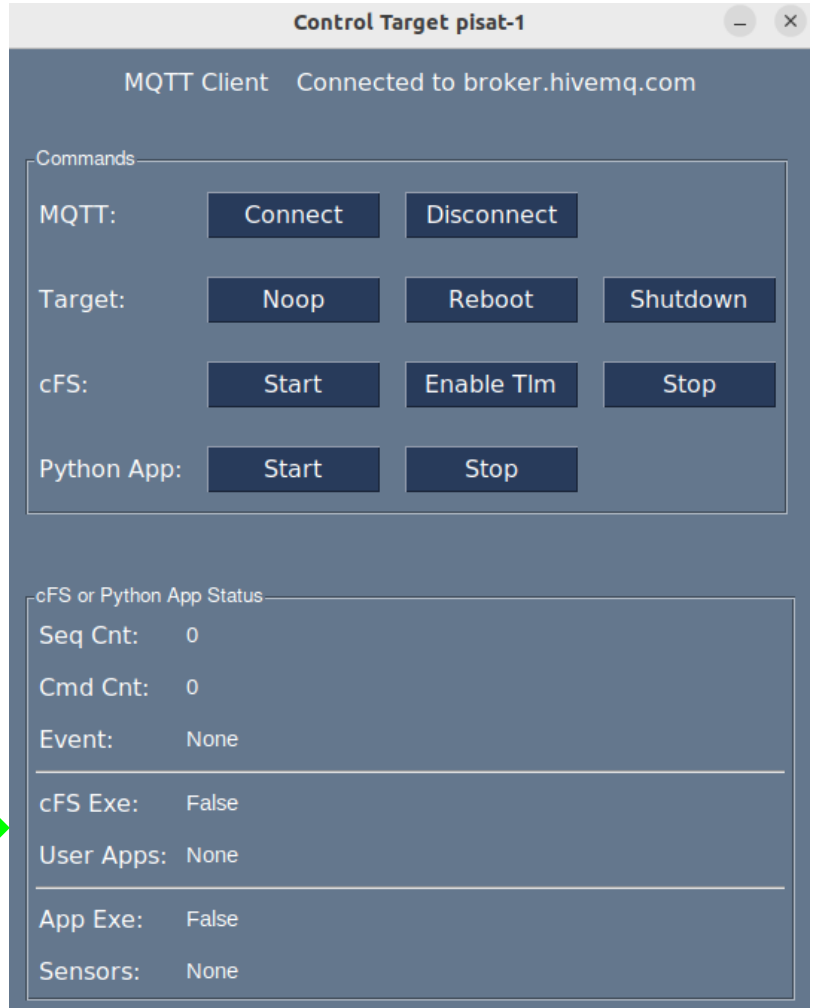
The *Remote Operations Guide* describes how to configure and control a remote target from the Basecamp GUI



Configure & control remote target interface

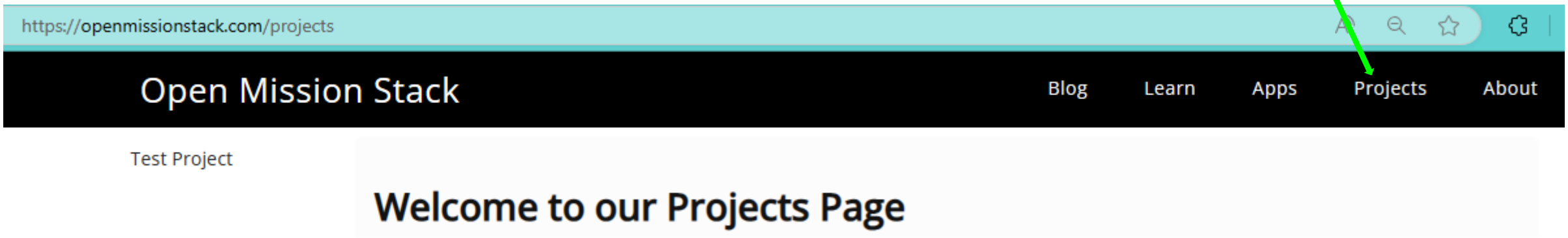


Control Remote Target



cFS-Based Projects

Go to the Open Mission Stack prokjects page https://openmissionstack.com/projects to access cFS-based projects. These projects use Basecamp's App Exchange so suser's can easily create new cFS targets for the project.



Example projects:

1. Configure and extend a cFS target that includes an example payload manager app with a payload simulator.
2. Configure a cFS target for the Raspberry Pi that contains an app that blinks an LED connected to the Pi's GPIO interface.