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

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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 educational material and hands-on projects that utilitze Basecamp's App Exchange



Open Mission Stack

Test Project

cFS Payload Manager App

cFS Raspberry Pi LED

Control

cFS MQTT Gateway App

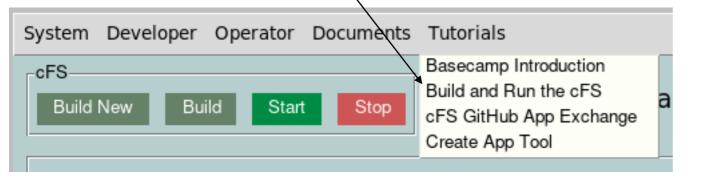
Welcome to our Projects Page

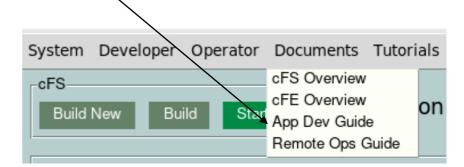
This is where we keep our collection of projects and tutorials. You can help by:

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

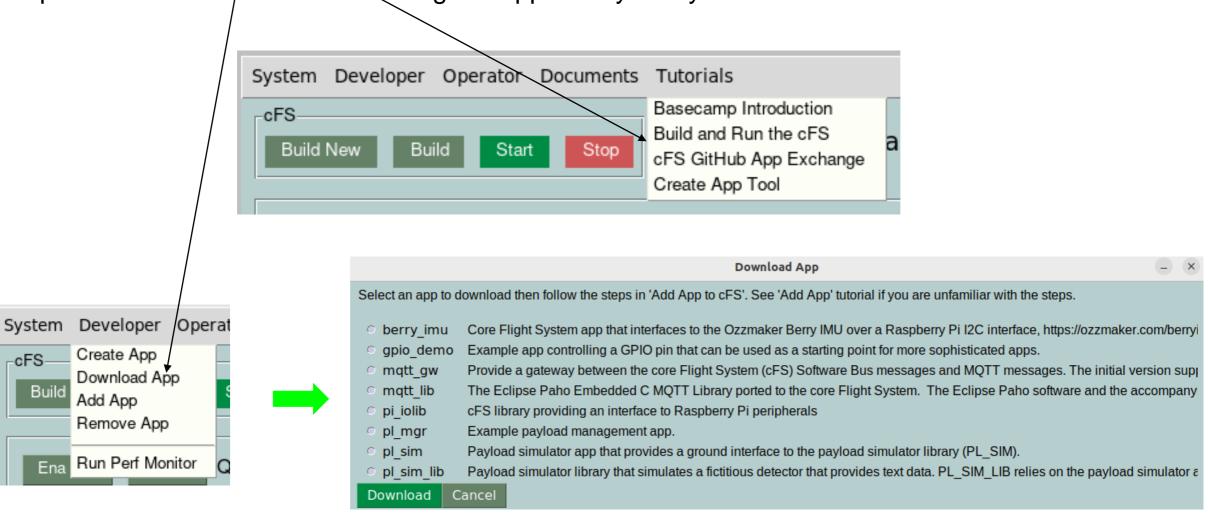




Lesson 3

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

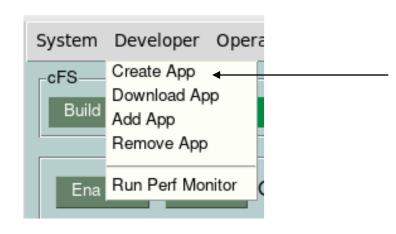


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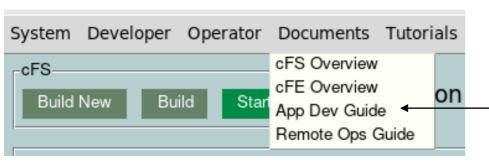
Write New Apps



The *Create App Tool* tutorial teaches you what the tool can do for you and how to use it



Devoper->Create App launches the Create App Tool that presents you with a menu of apps that you can create.



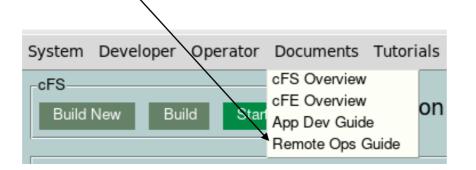
The Basecamp App Developer's Guide provides in depth material for writing apps

Lesson 3

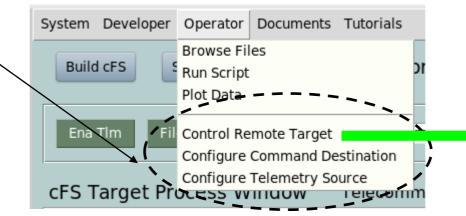
Control a Remote Target

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:

- 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.

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