# **App Exchange Tutorial**

### **Objectives**

- Describe Basecamp's interface to the cFS App Exchange
- Gain familiarity with using Basecamp's app installation features by installing and running the payload manage app, payload simulator app, and payload simulator library.

#### **Notes**

- 1. The Payload Manager example was chosen because most if not all missions need the flight software to interface to a payload
- 2. For more information on designing mission flight software with a payload manager refer to the following Basecamp project: <a href="https://openmissionstack.com/projects\_read/payload\_manager">https://openmissionstack.com/projects\_read/payload\_manager</a>
- 3. Being familiar with the "Build and Run cFS" tutorial is helpful but not required

Lesson 1 Slide 1

## Lesson 1

### **Objective**

Show how to install an app from the cFS App Exchange

#### **Notes**

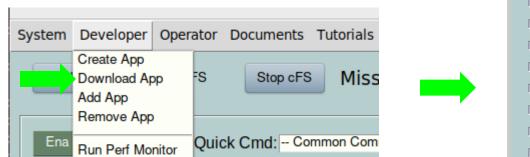
1. This lesson documents how to use the app exchange. In lesson 2 you will use these instructions to actually download and install an app.

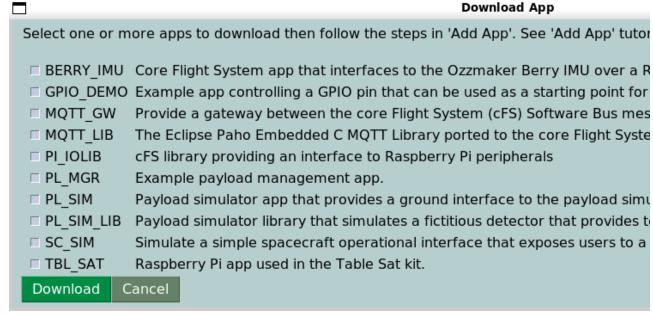
Slide 2

## cFS App Exchange

Select "Developer->Download App" to get a list of the libraries and apps that can be

installed



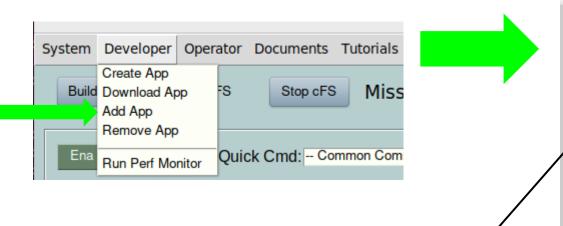


- Select the libraries and apps you want and click download to have the components cloned into the cfs-basecamp/usr/apps directory
- The cFS App Exchange is located at <a href="https://github.com/orgs/cfs-apps/repositories">https://github.com/orgs/cfs-apps/repositories</a>

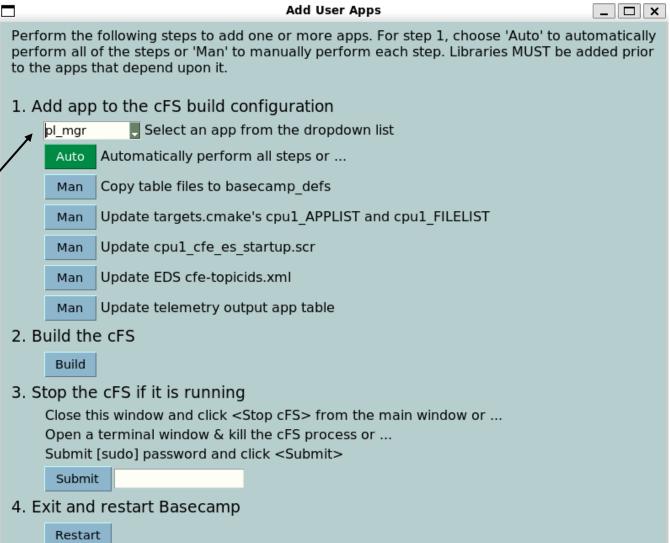
Lesson 1 Slide 3

## Add New App to Basecamp's cFS Target (1 of 2)

Select Add App from the Basecamp Developer menu

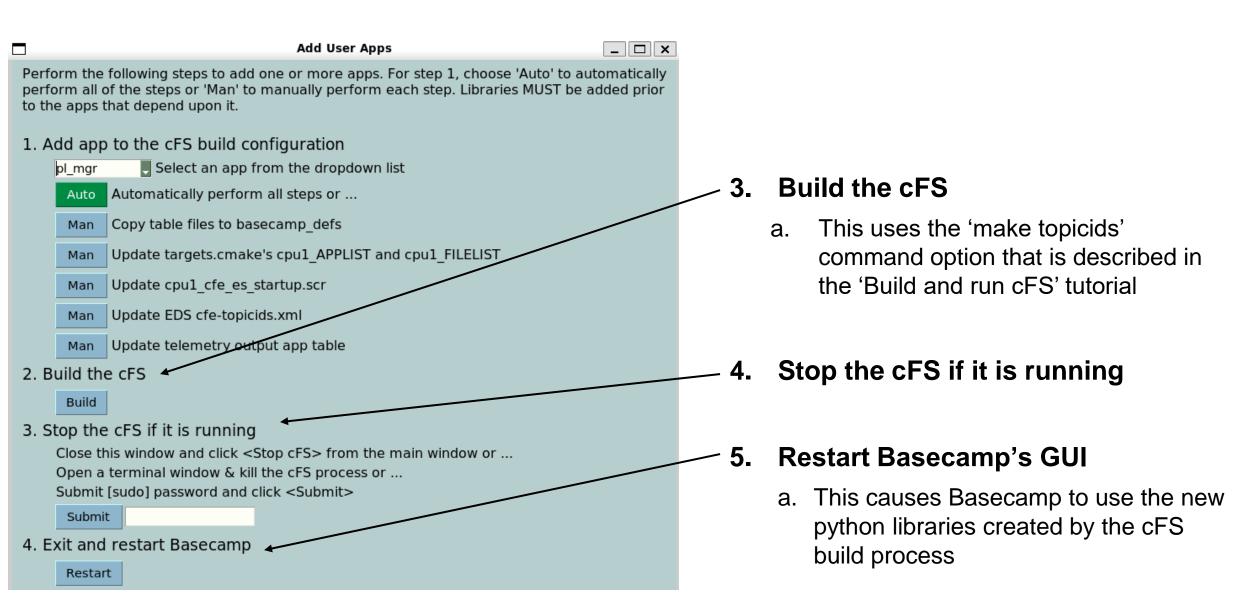


- 2. Select the library/app from the dropdown menu you want to add to the build configuration
  - a. The autonomous option is recommended for normal user operations. The manual options are for educational situations.



Lesson 1 Slide 4

### Add New App to Basecamp's cFS Target (2 of 2)



Lesson 1