How to Set Up Development Environment for OBC

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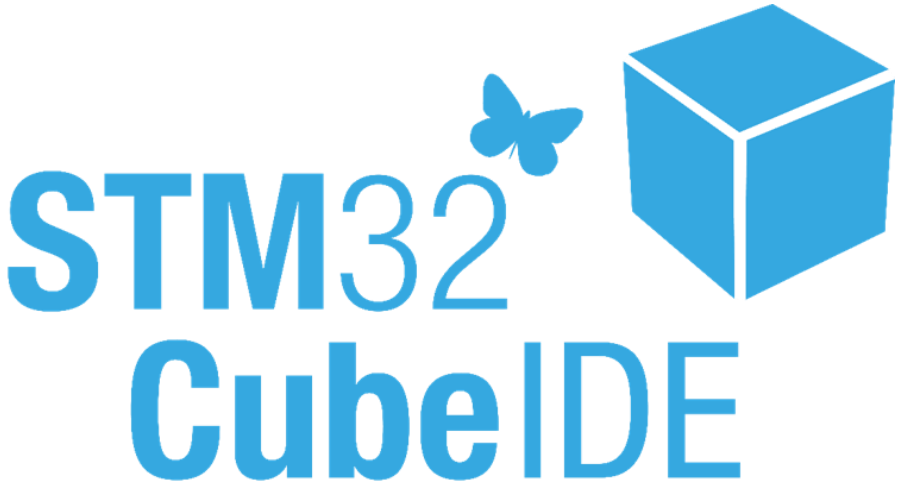

Step 1

- Clone most recent version of the GIT repo
  - https://git.ece.iastate.edu/phjones/cysat-ece-senior-design

Step 2

- Download and install STM32CubeIDE
  - Go to: https://www.st.com/en/development-tools/stm32cubeide.html
  - Select “Get Software” for the version that corresponds to your computer’s operating system
  - Accept license agreement
  - Enter first and last name
  - Enter email
  - Check “I have read and understood the Sales Terms & Conditions, Terms of Use and Privacy Policy”
  - Click “Download”
  - Check email
  - Click “Download now” on email, and it will redirect you to the website
  - It might automatically start downloading. If it doesn’t select “Get Software” again, and it should start downloading

Step 3

- Open the downloaded file
- Follow the installation guide, and install in desired location

Step 4

- Launch IDE
- Select workspace somewhere other than in the git repo

Step 5

- Click “Import SW4STM32 or TrueSTUDIO project” from the Information Center or go to File >> Open Projects from File System
- Click “Browse”
- Navigate to CubeSAT >> Dev >> OBC and select folder
- Make sure all folders are selected
- Click “Finish”
- Update Software by going to Help >> Check for Updates

Step 6

- Go ahead and build projects. (This environment is very similar to Eclipse or Code Composer Studio.)

Step 7

- Debug/Run Projects
- When you debug for the first time, it will auto-create a debug config. Just press “Ok”