Mbed/Keil Project Setup



- Mbed/Keil Project
 - Collection of files associated with a program
 - Stored in the cloud
 - Can be archived to ensure future access
- Mbed OS
 - Most of the class we will be using a small version of the OS
 - → Need to enable the Bare-Metal profile
- Mbed OS 6.xx Issues
 - The latest version of the OS limits the ability to print by default
 - → Need to re-enable the full printf capability

- MBED/Keil Project JSON setup
 - Go to the lab web page Week 1
 - Rt click on the mbed_app.json file link
 - Select save link as...
 - Place the file someplace easy to get to (EE2905 directory)
 - Verify the file was saved as a JSON File



- MBED/Keil Project Creation
 - Go to <u>https://os.mbed.com/</u>
 - Login (upper right corner) if necessary
 - Open the Keil Studio Cloud IDE (upper right corner yellow)



- MBED/Keil Project Creation
 - Select File → New → Mbed Project

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Select empty Mbed OS project

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Example project					
Select	· ·)				
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Mbed OS 6					
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mbed-os-example-blinky-barer	metal				

- MBED/Keil Project Creation
 - Fill in the project name eg Lab1_Part2
 - Uncheck the Initialize this box
 - Select Add project



6

- MBED/Keil Project Creation
 - Plug in your Nucleo board
 - Select the Connection icon next to the No target selected box
 - Select STM32 STLink Paired from the list
 - Select Connect
 - Select yes in the popup dialog box

This may happen automatically







7

- MBED/Keil Project Creation
 - rt-click on the project folder and select Upload Files..
 - select the mbed_app.json file saved earlier

