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Version History

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**C SDK Notes**

# Updating Solution

## Add a New Project

1. Right click on solution > Add new project
2. Select 'Empty Project' > Static Library
3. Create .cpp and .h files in the 'src' folder
4. Right click on project > Add Existing Items > select files from the 'src' folder
5. Update project properties
   1. C/C++ > General > Additional Include Directories

## Add a new Test Project

1. Right click on solution > Add new project
2. Select ‘Native Unit Test Project’ > name and create project.
   1. After building project these tests should appear in the ‘Test Explorer’ (see Figure 1).
3. Add project reference (see Figure 2).

# Unit Testing

* Open Test Explorer

A screenshot of a computer

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Figure : Test Explorer.

# Usage with Arduino

* Note that the 'library.properties' file was included to allow this SDK to be used/included within the Arduino IDE.

# Troubleshooting

## Cannot compile due to precompiled header

**Problem:**

* When building a project, you encounter an error similar to that shown below

A screenshot of a computer

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**Solution:**

* Turn off precompiled headers. Properties > C/C++ > Precompiled Headers > Not Using Precompiled Headers.

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## Cannot compile due to unresolved external symbol

**Problem:**

* When building a project, you encounter an error similar to that shown below

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**Solution:**

* Add project references.

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Figure : Adding a project reference.