

## ME 477 Embedded Computing

### Notes on Eclipse

#### Preferences

You should import some helpful preferences by selecting from the menu bar **File**»**Import...** In the Import dialog, select **General**»**Preferences**, and then click **Next**.

In the “From preferences file:” dialog box enter (or browse to): `C:\Users\vagrant\source\eclipse-preferences.epf`.

Verify that “Import all” is checked, and then click **Finish**. Do this just once.

#### The Shared Folder

A folder is shared between the host and the guest. Files placed in the shared folder will appear in the directories of both the host and the guest. For example, you could use the shared folder to copy a source file on the guest to the host for printing or including in a report.

- Host folder directory: `T1D1-main`
- Guest Network location directory: `C:_vagrant`

OneDrive can also be used for this purpose.

#### Some Advice

1. After you have edited source file (e.g., `main.c`), be sure to **Save** (**Ctrl+S**) the file before building the project.
2. Do not move or rename your **workspace**.
3. Never alter your workspace folder manually.  
Eclipse needs to maintain the workspace.
4. Avoid editing a source file in your workspace using an application other than Eclipse. Depending on the application, it may alter the structure of the file, or leave behind previous versions that confuse Eclipse
5. Don't attempt to update Eclipse.
6. If you are having inexplicable **build errors**, try restarting Eclipse.
7. Always terminate Eclipse normally. Eclipse needs to do maintenance on its workspace as part of the exit process.
8. The best practice when terminating the virtual machine is to “Shut down” the *virtual* Windows under **Power** from the **Start** menu.

#### Known Issues

1. The **WinRM error** that occurs at the end of the `vagrant up` command is benign and may be ignored.
2. Build-error reporting in the **Problems** tab is unreliable. At times, it both reports build errors that have not occurred and fails to report errors that have.  
However, you may rely on the error reporting in the **Console** tab.
3. You will find that when the mouse hovers over tabs, the screen rendering of the tab names is confused. However, you can always force a specific tab to display by selecting it in the **Show view** menu under the Eclipse **Windows** pull-down menu.