

# MATLAB Package App – *AutoGate*

**Note:** [*year<a/b>*] convention is used to indicate the version of the Matlab used to build AutoGate. AutoGate2020a is used in the actual commands as an example

- 1) Check whether **AutoGate[year<a/b>]App.prj** file is available under **CytoGate/matlabsrc/** in GitHub

**a)** If not available, create one by making a copy of **AutoGate[year<a/b>].prj** file from and rename it. Then change the top 3 lines as highlighted below

AutoGate2020a.prj

```
<deployment-project plugin="plugin.ezdeploy" plugin-version="1.0">  
  <configuration build-checksum="4048828794" file="/Users/swmeehan/eclipse-  
workspace2/CytoGate/matlabsrc/AutoGate2020a.prj"  
location="/Users/swmeehan/eclipse-workspace2/CytoGate/matlabsrc"  
name="AutoGate2020a" preferred-package-location="/Users/swmeehan/eclipse-  
workspace2/CytoGate/matlabsrc/AutoGate2020a/for_redistribution" preferred-  
package-type="package.type.app" target="target.ezdeploy.standalone" target-  
name="Application Compiler">  
  <param.appname>AutoGate2020a</param.appname>
```

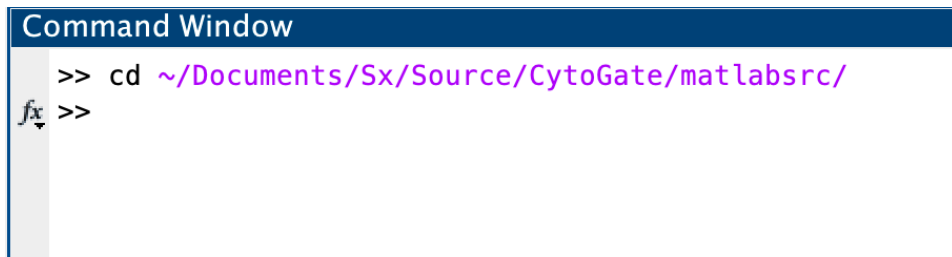
AutoGate2020aApp.prj

```
<deployment-project plugin="plugin.apptool" plugin-version="1.0">  
  <configuration build-checksum="4048828794" file="/Users/swmeehan/eclipse-  
workspace2/CytoGate/matlabsrc/AutoGate2020aApp.prj"  
location="/Users/swmeehan/eclipse-workspace2/CytoGate/matlabsrc"  
name="AutoGate2020aApp" target="target.mlapps" target-name="Package App">  
  <param.appname>AutoGate2020aApp</param.appname>
```

**b)** If available, compare AutoGate[year<a/b>]App.prj with AutoGate[year<a/b>].prj and ensure the dependent files (<fileset.defun>) and resources files (<fileset.resources>) match. If not, update the AutoGate[year<a/b>]App.prj to match the AutoGate[year<a/b>].prj contents

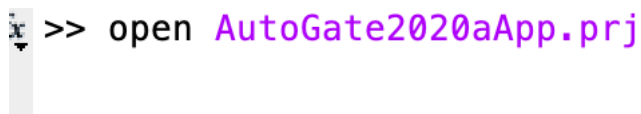
To avoid the above, whenever you make changes to AutoGate[year<a/b>].prj, make the same changes to AutoGate[year<a/b>]App.prj)

- 1) Launch MatLab2020a full environment and CD to **/matlabsrc** directory



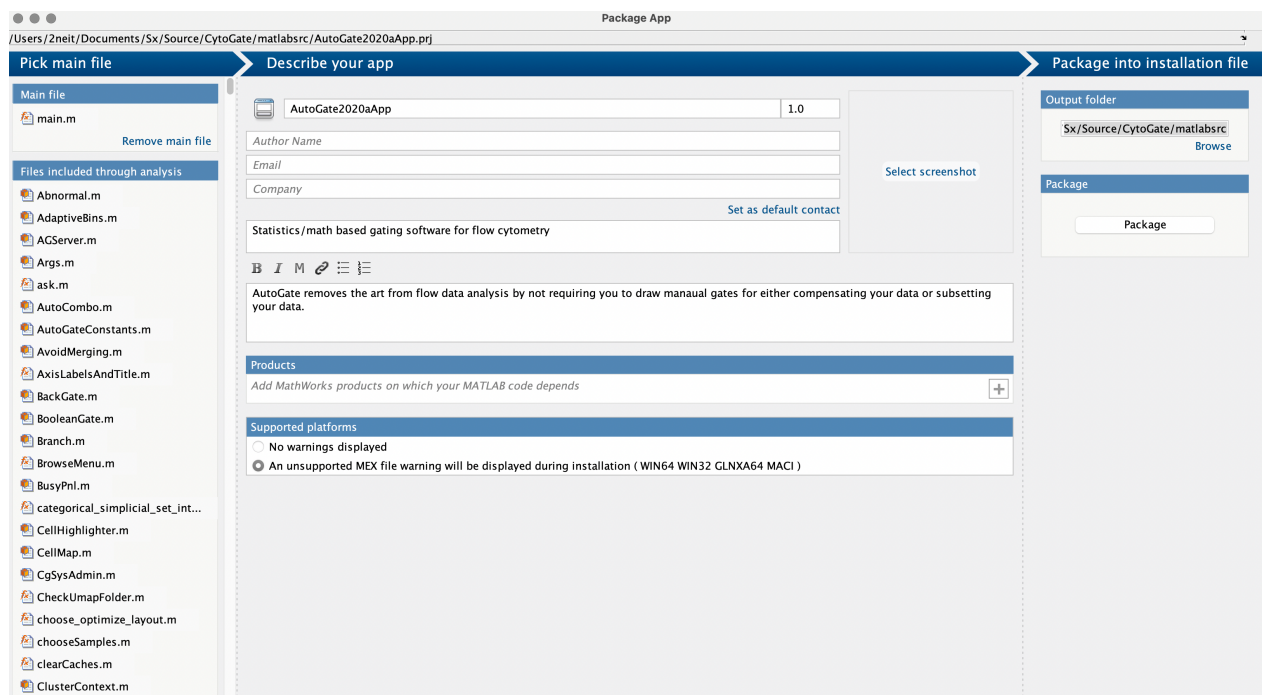
```
Command Window
>> cd ~/Documents/Sx/Source/CytoGate/matlabsrc/
fx >>
```

- 2) Open AutoGate2020aApp.prj

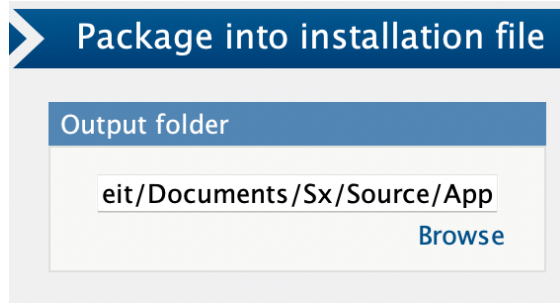


```
>> open AutoGate2020aApp.prj
```

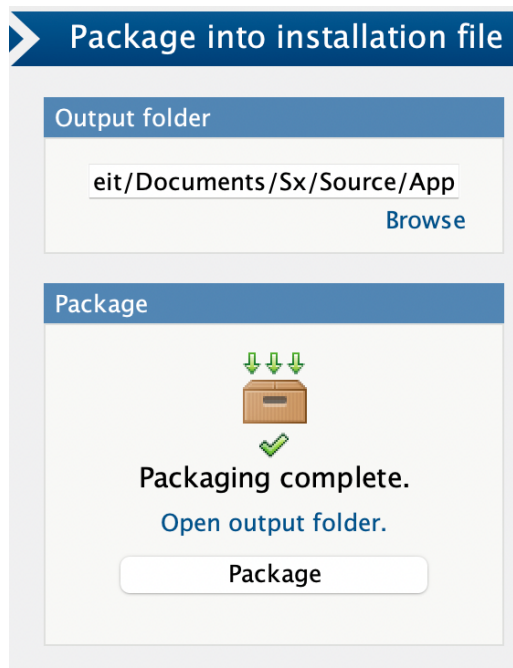
- 3) Package App window pops up with the configuration as per the .prj file



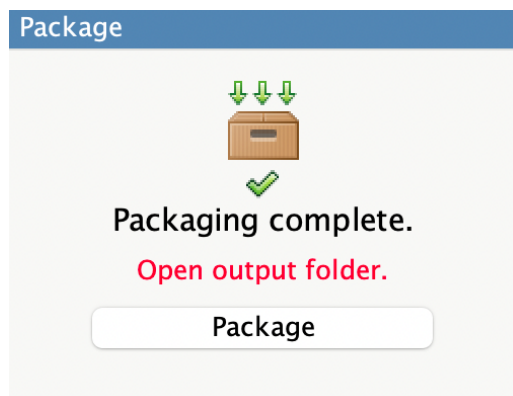
- 4) Specify output folder if you need to change from the default location.



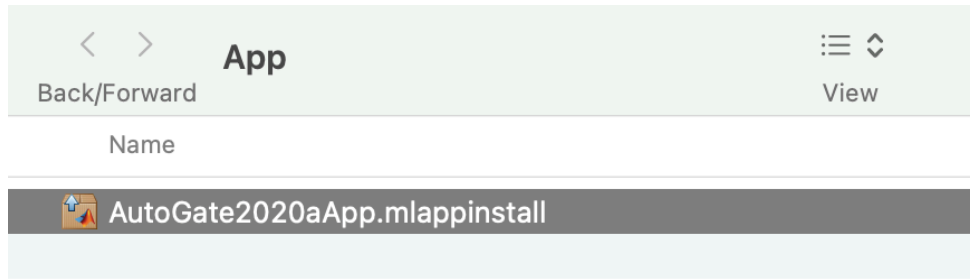
Click **Package**



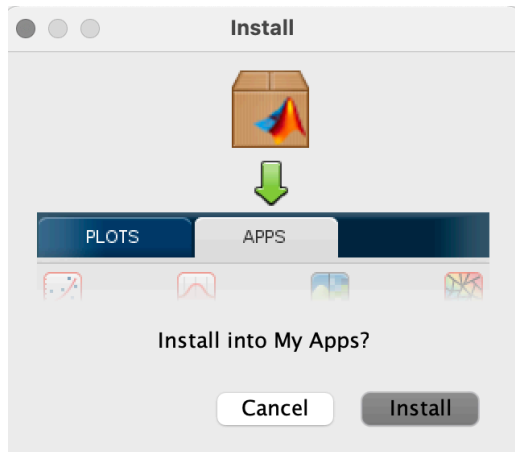
5) Click **Open output folder**



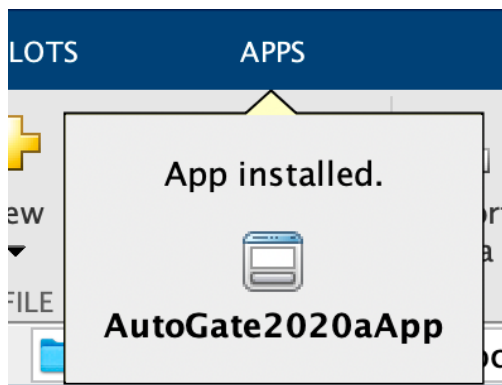
6) **AutoGate2020aApp.mlainstall** file will be available in that location



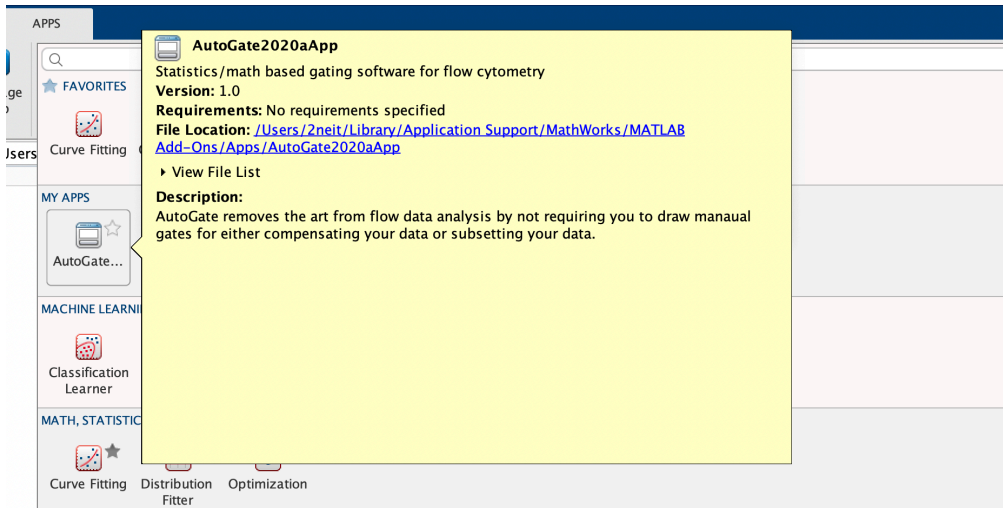
7) Open the file and click **Install**



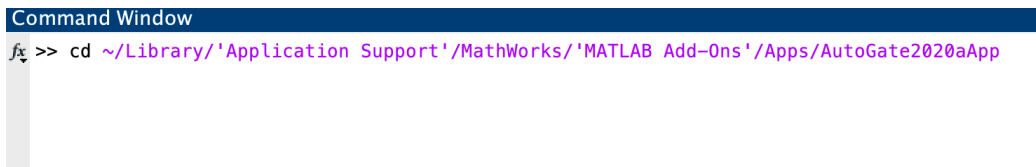
9) Confirmation that App is installed under **APPS**



8) Click on APPS tab and hover over the AutoGate app to get the **File Location**



10) CD to that file location



9) Click **AutoGate2020aApp** from the **APPS** tab

10)AutoGate launched

