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

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

<u>AutoGate2020a.prj</u>

<deployment-project plugin="plugin.ezdeploy" plugin-version="1.0"> <configuration build-checksum="4048828794" file="/Users/swmeehan/eclipseworkspace2/CytoGate/matlabsrc/AutoGate2020a.prj" location="/Users/swmeehan/eclipse-workspace2/CytoGate/matlabsrc" name="AutoGate2020a" preferred-package-location="/Users/swmeehan/eclipseworkspace2/CytoGate/matlabsrc/AutoGate2020a/for_redistribution" preferredpackage-type="package.type.app" target="target.ezdeploy.standalone" targetname="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/eclipseworkspace2/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.depfun>) 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



2) Open AutoGate2020aApp.prj



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

	Package App					
Users/2neit/Documents/Sx/Source/CytoGate/matlabsrc/AutoGate2020aApp.prj *						
Pick main file	Describe your app		Package into installation file			
Main file main.m Remove main file	AutoGate2020aApp 1.0 Author Name		Output folder Sx/Source/CytoGate/matlabsrc Browse			
Files included through analysis	Email Company Set as default contact Statistics/math based gating software for flow cytometry	Select screenshot	Package Package			
 AGServer.m Args.m ask.m AutoCombo.m 	B I M Ø ☵ 됨 AutoGate removes the art from flow data analysis by not requiring you to draw manaual gates for either compensat your data.	ing your data or subsetting				
AutoGateConstants.m AvoidMerging.m AvisLabelsAndTitle.m BackGate.m	Products Add MathWorks products on which your MATLAB code depends	+				
 BooleanGate.m Branch.m BrowseMenu.m 	Supported platforms No warnings displayed An unsupported MEX file warning will be displayed during installation (WIN64 WIN32 GLNXA64 MACI) 					
Custor initial Custor initial set_int Custor initial set_int Custor initial set_int Custor initial set_int Custor initial set_initial set_initian set						
choose_optimize_layout.m chooseSamples.m chooseSamples.m clearCaches.m ClusterContext.m						

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



Click Package

Package into installation file			
Output folder			
Output folder			
eit/Documents/Sx/Source/App			
Browse			
Package			
₩ ₩ ₩ ₩			
Packaging complete.			
Open output folder.			
Package			

5) Click Open output folder



6) AutoGate2020aApp.mlapinstall file will be available in that location

< > App Back/Forward	i≣ ≎ View
Name	
🙀 AutoGate2020aApp.mlappinstall	

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

,	APPS		
	Q	AutoGate2020aApp Statistics/math based gating software for flow cytometry	
.ge	TAVORITES	Version: 1.0	
)		Requirements: No requirements specified	
	Curve Fitting	File Location: <u>/Users/2neit/Library/Application Support/MathWorks/MATLAB</u> Add-Ons/Apps/AutoCate2020aApp	
Jsers	Curve ritting	→ View File List	
	MY APPS	Description:	
		AutoGate removes the art from flow data analysis by not requiring you to draw manaual gates for either compensating your data or subsetting your data.	
	AutoGate		
	MACHINE LEARNI		
	Classification		
	Learner		
	MATH, STATISTIC		
	/ *		
	Curve Fitting	Distribution Optimization Fitter	

10) CD to that file location



9) Click AutoGate2020aApp from the APPS tab

10)AutoGate launched

