# **Simulation profiles** TI Precision Labs – PSpice® for TI

## **Creating a new simulation profile**

• Navigate to the "New Simulation Profile" with the root schematic open







## **Simulation profiles naming conventions**

• If the name chosen creates problems within a file path (invalid characters) the screen will prompt to chose a different name

Name:	
DC Current Sweep	
Cancel	
none T	
Root Schematic: Low eide	

OrCAD C	apture	×			
ERROR(ORCAP-15093): Simulation Name - dc curre sweep is Invalid. It might create problems in flow. Valid Characters are [0-9, A-Z, underscore, hyphen]					
		ок			

New Simulation	:	×
Name:	Create	
DC_Current_Sweep	Create	
Inherit From:	Cancel	
none 🔻		
Root Schematic: Low_side		



### **Simulation settings**

• Simulation settings window allows for the setup of the simulation profile

Simulation Settings - dc_current_sw	eep				×
General Analysis Configuration Files Options Data Collection Probe Window	Analysis Type: Time Domain (Transient) Time Domain (Transient) DC Sweep AC Sweep/Noise Bias Point Farameurc oweep Temperature (Sweep) Save Bias Point Load Bias Point Save Check Point Restart Simulation	Run To Time : Start saving data after : Transient options: Maximum Step Size Skip initial transient bia Run in resume mode	1000ns 0 seco s point calculation (SKIPE	seconds (TSTOP) seconds onds 3P) Output File Options.	
		ОК	Cancel Apply	Reset Help	

### **Simulation profiles location**

 Simulation profiles are located under PSpice Resources in the docked project explorer





### **Switch between simulation profiles**

- The active simulation profile for a schematic is highlighted in green
- Right click on the simulation profile name and select "Make Active" or select through the task bar drop down menu









### Simulation taskbar or the PSpice menu?

• The task bar and the PSpice menu both allow to create, edit, and run a simulation profile





# Thanks for your time!



8

To find more **PSpice® for TI** technical resources and search products, visit **ti.com/tool/PSPICE-FOR-TI**.

