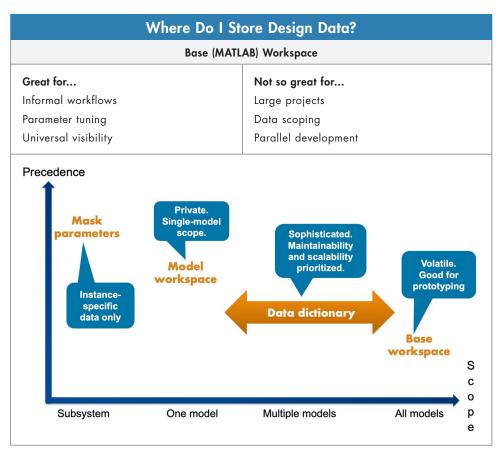


Scaling Up with Simulink

When Simulink® projects scale up and involve more collaborators, design challenges become more frequent. This cheat sheet offers practical guidance for managing components, data, and files effectively.

Subsystem, Libraries, Model References Which One Do I Pick?		
If your primary goal is to	Use	
Use accelerator mode to speed up subsequent instances/runs of a component	Model Reference	
Create a version of your component with IP protection	Model Reference	
Run a component as a stand-alone model	Model Reference	
Create a reusable component that supports physical connection (Simscape™) interfaces	Subsystem Reference	
Enable parallel development with flexible interfaces during early development stages	Subsystem Reference	
Create utilities that are widely reused and change infrequently	Linked Subsystems (Libraries)	
Encapsulate small pieces of code in nonreusable packages	Atomic Subsystem	
Visually organize a group of blocks or components	Virtual Subsystem	



How Do I Organize, Share, and Manage Design Files?		
Use MATLAB® Projects. They take care of the small stuff so you can focus on the important stuff:		
Automating the setup and teardown of the environment	Performing dependency analyses on your files	
Creating shortcuts to common tasks	Simplifying batch processing	
Simplifying upgrades to future releases	Integrating source control into MATLAB	

Learn more about scaling up with Simulink at www.mathworks.com/products/simulink/scaling-up.html.

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