PeiDocker Terminal GUI - Simple Mode Wizard Design

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1 Simple Mode Wizard Flow Overview

The Simple Mode provides a step-by-step wizard interface that guides users through creating a basic PeiDocker configuration. The wizard consists of 15 main steps, each focusing on a specific aspect of the container configuration.

1.1 Wizard Flow Diagram

2 Individual Screen Designs

- 2.1 Step 1: Project Information
- 2.2 Step 2: SSH Configuration
- 2.3 Step 3: SSH User Configuration
- 2.4 Step 4: SSH Root Access
- 2.5 Step 5: Proxy Configuration
- 2.6 Step 6: APT Configuration
- 2.7 Step 7-8: Port Mapping & Environment Variables
- 2.8 Step 9: Device Configuration
- 2.9 Steps 10-11: Mount Configuration
- 2.10 Steps 12-13: Entry Point Configuration
- 2.11 Step 14: Custom Scripts Configuration
- 2.12 Step 15: Configuration Summary

3 Navigation and Interaction Patterns

3.1 Common UI Elements

- Progress Bar: Shows current step and overall progress
- Navigation Buttons: Back, Next/Save, Cancel consistently placed
- **Keyboard Shortcuts**: TAB (navigate), ENTER (next/select), ESC (cancel)
- Help Text: Blue info boxes explaining options and providing examples
- Warning Messages: Orange warning boxes for important notices
- Input Validation: Real-time validation with error highlighting

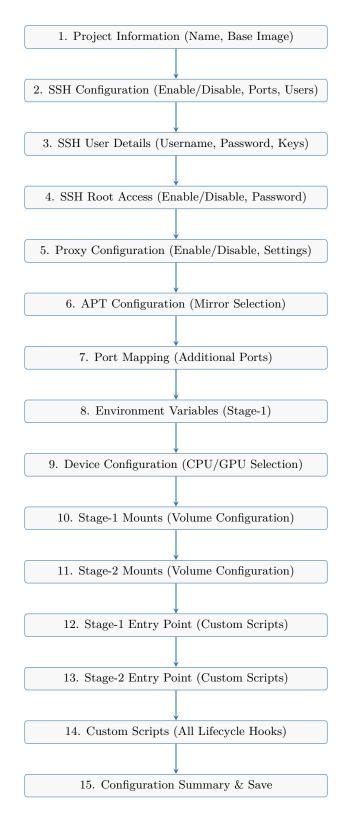


Figure 1: Complete Simple Mode Wizard Flow

	PoiDocker Simple Wizard Stop 1/15 Project Information - 1 of 15 steps
Proj	my_awesome_project
(e.g., n	n name for your project. This will be used as the Docker image name ny_awesome_project:stage-1, my_awesome_project:stage-2) If Docker is available, we'll check for existing images with this name.
Base	ubuntu:24.04
	he Docker base image tag from Docker Hub lt: ubuntu:24.04 (recommended for most users)
_	arning: Docker image "my_awesome_project:stage-1" already exists. uing will overwrite the existing image.
	Back Next Cancel TAB: Navigate fields ENTER: Next ESC: Cancel

Figure 2: Step 1: Project Information Screen

	PoiDockor Simple Wizard Stop 2/15 SSH Configuration - 2 of 15 steps
Enak	Sies Sie Arcess) No
\mathbf{SSH}	22
SSH	2222
SSH H	Container Port: Port inside the container (default: 22) Lost Port: Port on your machine to access the container (default: 2222) Lost Port: Port on your machine to access the container (default: 2222) Lost Port: Port inside the container (default: 2222) Lost Port: Port inside the container (default: 2222)
	arning: If you disable SSH, you'll need to use native Docker commands ocker exec -it container_name bash" to access the container.
	Back Next Cancel

Figure 3: Step 2: SSH Configuration Screen

SSH	me
SSH	123456
	portant: Do not use commas (,) or spaces in passwords implementation limitations.
	ify Public Ke: ✓ Yes
Spec	ify Private Key: Yes
Public Privat	

Figure 4: Step 3: SSH User Configuration Screen

ss is go	generall	lly not	t reco		1 1		
	lo for a	admin					
ig roo						ty.	
ry for	your u	use ca	ease.			v	
gurea	for roo	oot in	Simp	pie ivi	lode.		
for	•	your	your use o	your use case.	your use case.		

Figure 5: Step 4: SSH Root Access Screen

Use H	Proxy: Yes
Prox 78	90
Proxy Covariables Build Or	(RDuning Bi) ik: Infiguration: This will set http_proxy and https_proxy environment Ly: Proxy removed after build (recommended for production) Proxy available during container runtime (affects running applications)
	e proxy address will be automatically set to host.docker.internal e container to access your host machine's proxy service.
	Back Next Cancel

Figure 6: Step 5: Proxy Configuration Screen

Use DiNere	et APT Micror:
	tuna (Tsinghua University) ▼ √ tuna - Tsinghua University mirror aliyun - Aliyun mirror 163 - 163 mirror ustc - USTC mirror cn - Ubuntu official China mirror default - Standard Ubuntu mirror
Recommended	Alternative package sources for faster downloads I for Chinese users: tuna, aliyun, or ustc mirrors ard Ubuntu repositories (works worldwide)

Figure 7: Step 6: APT Configuration Screen

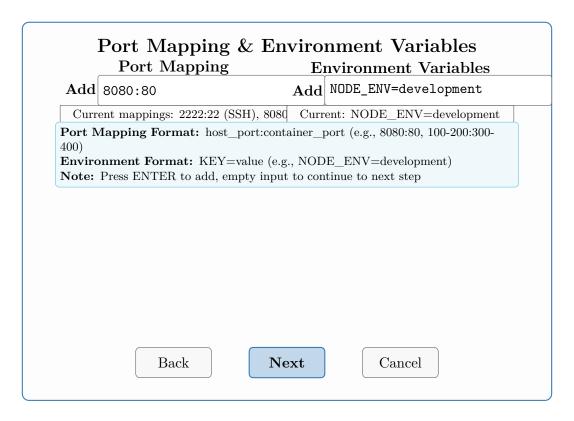


Figure 8: Step 7-8: Port Mapping & Environment Variables

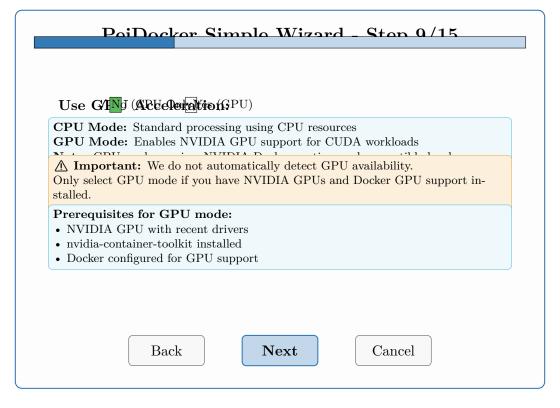


Figure 9: Step 9: Device Configuration Screen

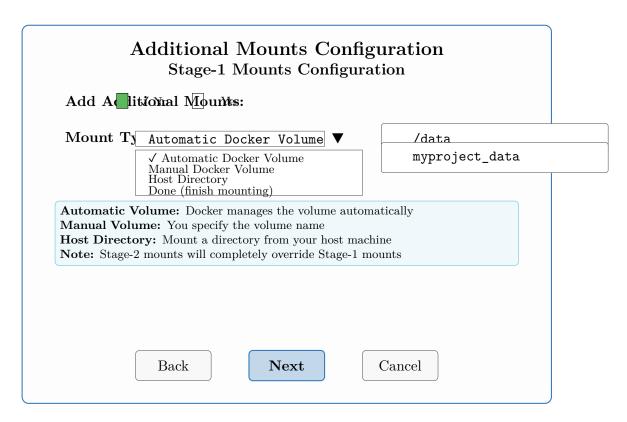


Figure 10: Steps 10-11: Mount Configuration Screen

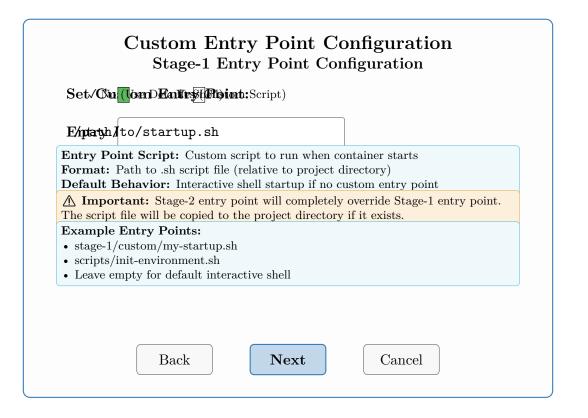


Figure 11: Steps 12-13: Entry Point Configuration Screen

Thes	on_build scripts: Execute during Docker image build process These scripts can install packages, configure system settings, etc.					
	ingt -1/custom/install-tools.shverbose					
	ded Scripts:					
	stage-1/custom/install-tools.sh -verbose					
	on build on first run on_every_run on user lo					
Scri	ot Types:					
-	build: Run during image build • on_first_run: Run on first container start					
on_ via S	every_run: Run on every start • on_user_login: Run when user logs in					
	nat: script path -arg1 value1 -arg2 "value with spaces"					

Figure 12: Step 14: Custom Scripts Configuration Screen

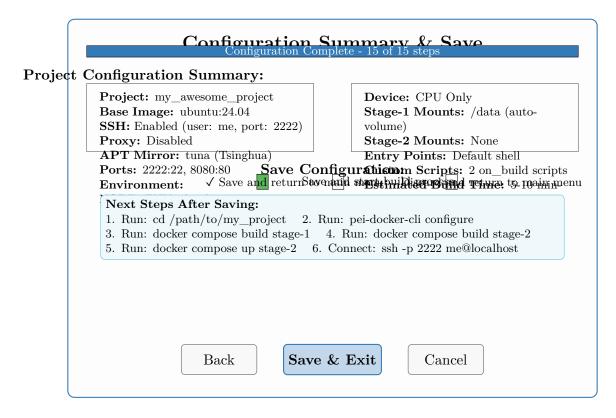


Figure 13: Step 15: Configuration Summary & Save Screen

3.2 Input Patterns

- Text Fields: Standard text input with placeholder text
- Radio Buttons: Single selection with checkmarks for selected options
- Dropdowns: List selection with arrow indicator
- List Management: Add items with ENTER, show current items, remove with empty input
- File Paths: Support for relative paths and special syntax