

Vite Project Setup Scripts Collection

A collection of PowerShell scripts to quickly bootstrap Vite projects with different frameworks and configurations.

Quick Start (Direct Usage)

You can run any of these scripts directly without downloading by using PowerShell's `Invoke-Expression` with a web request:

React + JavaScript

```
iex (iwr -useb  
"https://raw.githubusercontent.com/yourusername/yourrepo/main/setup-vite-react-  
js.ps1").Content
```

React + TypeScript

```
iex (iwr -useb  
"https://raw.githubusercontent.com/yourusername/yourrepo/main/setup-vite-react-  
ts.ps1").Content
```

Vue.js

```
iex (iwr -useb  
"https://raw.githubusercontent.com/yourusername/yourrepo/main/setup-vite-vue-  
js.ps1").Content
```

Svelte

```
iex (iwr -useb  
"https://raw.githubusercontent.com/yourusername/yourrepo/main/setup-vite-  
svelte-js.ps1").Content
```

Solid.js

```
iex (iwr -useb  
"https://raw.githubusercontent.com/yourusername/yourrepo/main/setup-vite-solid-  
js.ps1").Content
```

Vanilla JavaScript

```
iex (iwr -useb  
"https://raw.githubusercontent.com/yourusername/yourrepo/main/setup-vite-  
vanilla-js.ps1").Content
```

Generic Template (Flexible)

```
iex (iwr -useb  
"https://raw.githubusercontent.com/yourusername/yourrepo/main/setup-vite-  
template.ps1").Content
```

Available Scripts

Script	Framework	Language	Includes
<code>setup-vite-react-js.ps1</code>	React	JavaScript	React Router, Tailwind CSS, Lucide React
<code>setup-vite-react-ts.ps1</code>	React	TypeScript	React Router, Tailwind CSS
<code>setup-vite-vue-js.ps1</code>	Vue.js	JavaScript	Vue Router, Pinia, Tailwind CSS
<code>setup-vite-svelte-js.ps1</code>	Svelte	JavaScript	Svelte Routing, Tailwind CSS
<code>setup-vite-solid-js.ps1</code>	Solid.js	JavaScript	Tailwind CSS
<code>setup-vite-vanilla-js.ps1</code>	Vanilla	JavaScript	Minimal setup
<code>setup-vite-frontend.ps1</code>	React	JavaScript	Full-featured setup
<code>setup-vite-template.ps1</code>	Generic	Configurable	Flexible template selector

Script Parameters

All scripts support these common parameters:

```
-ProjectName "my-awesome-app" # Default: "frontend"  
-SkipGit # Skip git initialization  
-SkipAutoStart # Don't auto-start dev server
```

Additional parameters for specific scripts:

setup-vite-frontend.ps1:

```
-ApiUrl "http://localhost:8080/api" # Default: "http://localhost:3000/api"
```

setup-vite-template.ps1:

```
-Framework "react"           # react, vue, svelte, solid, angular  
-Variant "ts"                 # js, ts (where applicable)  
-ExtraPackages "package1 package2" # Additional npm packages
```

Usage Examples

Local Download and Run

```
# Download script  
Invoke-WebRequest -Uri  
"https://raw.githubusercontent.com/yourusername/yourrepo/main/setup-vite-react-  
js.ps1" -OutFile "setup-react.ps1"  
  
# Run with parameters  
.\setup-react.ps1 -ProjectName "my-react-app" -SkipGit
```

Direct Execution with Parameters

```
# Save script content with parameters  
$scriptUrl =  
"https://raw.githubusercontent.com/yourusername/yourrepo/main/setup-vite-react-  
js.ps1"  
$scriptContent = (iwr -useb $scriptUrl).Content  
$scriptContent | Out-File -FilePath "temp-setup.ps1" -Encoding UTF8  
.\temp-setup.ps1 -ProjectName "my-app" -SkipAutoStart  
Remove-Item "temp-setup.ps1"
```

One-liner with Custom Project Name

```
# React + JS with custom name  
$env:PROJECT_NAME="my-custom-app"; iex (iwr -useb  
"https://raw.githubusercontent.com/yourusername/yourrepo/main/setup-vite-react-  
js.ps1").Content
```

What Each Script Creates

Common Files (All Scripts)

- `.env` - Environment variables
- `.gitignore` - Git ignore rules
- `.editorconfig` - Editor configuration
- `LICENSE` - MIT license
- `README.md` - Project documentation

Framework-Specific Features

React Scripts:

- Components: `ExampleComponent.jsx`, `Navbar.jsx`
- Pages: `Home.jsx`, `About.jsx`
- Utils: `lib/utils.js` (clsx + tailwind-merge)
- Routing: React Router DOM setup

Vue Script:

- Vue Router 4
- Pinia state management
- Tailwind CSS integration

Svelte Script:

- Svelte Routing
- Tailwind CSS with PostCSS

Solid Script:

- Tailwind CSS integration
- PostCSS configuration

Security Note

When using `iex (iwr -useb ...)`, you're executing remote code directly. Always:

1. **Verify the URL** - Ensure it points to a trusted source
2. **Review the script** - Check the raw content before running
3. **Use HTTPS** - Always use `https://` URLs
4. **Consider local copy** - Download and review scripts for production use

Directory Structure After Setup

```
my-project/
├── public/
├── src/
│   ├── components/    # (React/Vue/Svelte)
│   ├── pages/         # (React)
│   └── lib/            # (React - utils)
```

```
|   |   | App.jsx      # Main app component
|   |   | main.jsx    # Entry point
|   |   |
|   |   | .env
|   |   | .gitignore
|   |   | .editorconfig
|   |   | LICENSE
|   |   | README.md
|   |   | package.json
|   |   | vite.config.js
|   |   | tailwind.config.js
```

Prerequisites

- **Node.js** (v16 or higher)
- **npm** (v7 or higher)
- **PowerShell** (Windows PowerShell or PowerShell Core)
- **Git** (optional, for repository initialization)
- **VS Code** (optional, auto-opens project)

Port Management

All scripts check if port 5173 is available before starting the dev server. If occupied, you'll get a warning message.

Contributing

To add new framework support:

1. Copy an existing script (e.g., [setup-vite-react-js.ps1](#))
2. Modify the template and package variables
3. Update framework-specific configurations
4. Test thoroughly
5. Update this README

License

MIT License - see individual script files for full license text.