

Installation

Setting up the Origami Engine on your system

Prerequisites

Before installing Origami Engine, ensure you have:

- **Node.js** 18.0.0 or higher ([Download](#))
- **pnpm** 8.0.0 or higher ([Install](#))
- **Git** ([Download](#))

Check Versions

```
node --version      # Should be v18.0.0 or higher
pnpm --version     # Should be 8.0.0 or higher
git --version      # Any recent version
```

Installation Steps

1. Clone the Repository

```
git clone https://github.com/yourusername/origami-engine
cd origami-engine
```

2. Run the Setup Wizard

```
npm run begin
```

This interactive setup will:

1. Check your environment (Node, pnpm, git)
2. Install all dependencies
3. Build the engine packages
4. Create configuration files
5. Install the global `ori` CLI command
6. Optionally create your first game project

3. Verify Installation

```
ori --version
```

You should see: `Origami Engine v0.1.0`

What Gets Installed?

Global CLI

The `ori` command becomes available system-wide:

```
ori create my-game      # Create new game
ori update check        # Check for updates
ori --help               # Show help
```

Configuration Files

Two config files are created:

`~/.origami/config.json` (Global)

```
{
  "enginePath": "/path/to/origami-engine",
  "version": "0.1.0",
  "installedAt": "2026-01-29T12:00:00.000Z"
}
```

`origami-engine/.origami/config.json` (Engine)

```
{  
  "version": "0.1.0",  
  "lockVersion": false,  
  "templateBranches": {  
    "fresh": "template/fresh",  
    "platformer": "template/platformer"  
  },  
  "migrations": {}  
}
```

Directory Structure

After installation:

```
parent-directory/  
  └── origami-engine/      # Engine repository  
    ├── packages/  
    │   └── runtime/        # Core engine  
    │       └── cli/         # CLI tool  
    └── .origami/           # Engine config  
      └── ...  
  └── my-first-game/      # Your game (if created during setup)  
    ├── objects/  
    ├── sprites/  
    └── ...
```

Troubleshooting

"ori: command not found"

Solution 1: Restart your terminal

The PATH may need to refresh.

Solution 2: Manual linking

```
cd origami-engine/packages/cli  
pnpm link --global
```

Solution 3: Use full path

```
node /path/to/origami-engine/packages/cli/dist/index.js
```

Permission Errors

On Linux/macOS, you may need sudo:

```
sudo npm run begin
```

Or fix npm permissions: [npm docs](#)

pnpm Not Found

Install pnpm globally:

```
npm install -g pnpm
```

Next Steps

- [02-quick-start.md](#) - Create your first game
 - [03-creating-games.md](#) - Learn the `ori create` command
 - [11-cli-reference.md](#) - Explore all CLI commands
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