**Web Server Setup Guide for Three.js Development**

WebGL cannot directly access local files due to security restrictions, so a web server is required for developing Three.js applications. Here are some simple methods to set up a local web server.

**1. Using Servez (Beginner-Friendly)**

Servez is a simple web server with a GUI, ideal for users unfamiliar with the command line.

Steps:

1. Download and extract the example files.
2. Download and install Servez from its official website.
3. Run Servez

Open Servez and select the extracted folder.

Click "Start".

1. Access the web server

Open a browser and go to: http://localhost:8080/

To directly access the Three.js examples: http://localhost:8080/threejs

1. Stop the server

Close Servez or click "Stop".

**2. Using Node.js + Servez (For Command Line Users)**

If you prefer using the command line, you can set up a server with Node.js + Servez.

Steps:

1. Install Node.js

Download and install the LTS version from the Node.js website.

Windows Users: Use "Node.js Command Prompt".

Mac/Linux Users: Use the Terminal.

1. Install Servez

Run the following command in the terminal: npm install -g servez

Mac/Linux users may need sudo: sudo npm install -g servez

1. Start the server

Method 1: Specify the folder directly: servez path/to/your/project

Method 2: Navigate to the project folder first:

cd path/to/your/project

servez

The terminal should display: Serving at http://localhost:8080/

1. Access the web server

Open a browser and go to: http://localhost:8080/

To access Three.js examples: http://localhost:8080/threejs

1. Stop the server

Press Ctrl + C in the terminal.

**3. Alternative Web Server Options**

If you don’t want to use Servez, here are some other simple web servers.

Option 1: Using Python Built-in Server

Python 3: python -m http.server 8080

Python 2: python -m SimpleHTTPServer 8080

Then open the browser at: http://localhost:8080/

Option 2: Using npx live-server

live-server provides automatic reloading, useful for front-end development.

npx live-server

The server will open the browser automatically.

Option 3: Using http-server

1. Install it globally: npm install -g http-server
2. Start the server: http-server -p 8080
3. Access the server: http://localhost:8080/