Sure, let's install and configure Tailwind CSS in a way that's recommended and clean for modern React projects, including setting up React Flow with it. I'll guide you through the process step-by-step and explain each part.

**Step-by-Step Guide**

**1. Set Up the Project**

First, let's create a new React project using Vite with TypeScript template:

bash

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npm create vite@latest react-flow-tailwind --template react-ts

cd react-flow-tailwind

**2. Install Tailwind CSS**

Now install Tailwind CSS and its dependencies:

bash

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npm install -D tailwindcss postcss autoprefixer

npx tailwindcss init -p

This will generate a tailwind.config.js and postcss.config.js file in your project.

**3. Configure Tailwind CSS**

Open the tailwind.config.js file and configure the content section to include all your template files:

js

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/\*\* @type {import('tailwindcss').Config} \*/

module.exports = {

content: [

"./index.html",

"./src/\*\*/\*.{js,jsx,ts,tsx}",

],

theme: {

extend: {},

},

plugins: [],

}

Create a src/index.css file and add the following Tailwind directives:

css

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@tailwind base;

@tailwind components;

@tailwind utilities;

Now :

pip install react flow

Flow.tsx  
import React from "react";

import ReactFlow, { Controls, ReactFlowProvider } from "reactflow";

import "reactflow/dist/style.css";

// Replace with your actual data

type NodeData = {

  id: string;

  type: string;

  label: string;

  position: { x: number; y: number };

  data: any; // Make data property mandatory

};

const nodes: NodeData[] = [

  {

    id: "1",

    type: "input",

    // Add data object if needed (adjust the type annotation)

    data: { label: "Start Node" },

    position: { x: 100, y: 100 },

    label: "",

  },

  {

    id: "2",

    type: "output",

    data: { label: "End Node" }, // Example data for second node

    position: { x: 400, y: 100 },

    label: "",

  },

];

const edges = [{ id: "e1-2", source: "1", target: "2", animated: true }];

const Flow = () => {

  return (

    <ReactFlowProvider>

      <div className="h-screen flex justify-center items-center">

        {React.cloneElement(<ReactFlow nodes={nodes} edges={edges} />, {

          className: "w-full rounded-lg shadow-md", // Base styles

          nodeClassName:

            "bg-gray-200 hover:bg-gray-300 p-4 border rounded-md shadow-sm", // Node styles

        })}

        <Controls className="absolute bottom-0 right-0 mb-4 mr-4" />

      </div>

    </ReactFlowProvider>

  );

};

export default Flow;

App.tsx

import React from "react";

import Flow from "./Flow"; // Import the Flow component

const App = () => {

  return (

    <div className="App">

      <Flow />

    </div>

  );

};

export default App;