

```
npm init
```

```
npm install -g typescript
```

```
npm install -g tslint
```

```
npm install -S express
```

```
npm install -D @types/express
```

```
npm install -D tslint
```

Crear tsconfig.json con el comando `tsc --init`

```
{
  "compilerOptions": {
    "lib": ["es2015"],
    "module": "commonjs",
    "esModuleInterop": true,
    "target": "es6",
    "moduleResolution": "node",
    "sourceMap": true,
    "outDir": "dist"
  },
  "include": ["src"]
}
```

```
tslint --init
```

Crear carpeta SRC

- Crear archivo app.ts dentro de carpeta SRC

```
import express from 'express';
const app = express();
const port = 3000;
app.get('/', (req: any, res: any) => {
  res.send('Hello world');
})
app.listen(port, () => {
  console.log(`server is listening on ${port}`);
});
```

```
})
```

Crear carpeta .vscode

- Crear archivo launch.json dentro de carpeta .vscode

```
{
  "version": "0.2.0",
  "configurations": [
    {
      "type": "node",
      "request": "launch",
      "name": "Launch Program",
      "skipFiles": [
        "<node_internals>/**"
      ],
      "program":
        "${workspaceFolder}/src/app.ts",
      "preLaunchTask": "tsc: build -
tsconfig.json",
      "outFiles":
        ["${workspaceFolder}/dist/**/*.js",],
    }
  ]
}
```

Añadir script a package.json

```
"start": "tsc && node dist/app.js"
```

```
npm install -D ts-node
```

```
npm install -D tsconfig-paths
```

```
"start": "npx ts-node src/app.ts"
```

Editor launch.json

```
{
  "version": "0.2.0",
  "configurations": [
    {
      "type": "node",
      "request": "launch",
      "name": "Launch Program",
      "skipFiles": [
        "<node_internals>/**"
      ],
      "runtimeArgs": [
        "-r", "ts-node/register",
        "-r", "tsconfig-paths/register",
      ],
      "args": [
        "${workspaceFolder}/src/app.ts"
      ]
    }
  ]
}
```