



I get this error when signing up with ngrok:

ValidationError: The 'X-Forwarded-For' header is set but the Express 'trust proxy' setting is false (default). This could indicate a misconfiguration which would prevent express-rate-limit from accurately identifying users. See https://express-rate-limit.github.io/ERR_ERL_UNEXPECTED_X_FORWARDED_FOR/ for more information.

```
at Object.xForwardedForHeader (/home/daniel/Documents/2nd Sem/CS343/Project2/group-38/backend/node_modules/pnpm/express-rate-limit@7.4.1_express@4.21.0/node_modules/express-rate-limit/dist/index.cjs:167:13)
at wrappedValidations.<computed> [as xForwardedForHeader] (/home/daniel/Documents/2nd Sem/CS343/Project2/group-38/backend/node_modules/pnpm/express-rate-limit@7.4.1_express@4.21.0/node_modules/express-rate-limit/dist/index.cjs:362:22)
at Object.keyGenerator (/home/daniel/Documents/2nd Sem/CS343/Project2/group-38/backend/node_modules/pnpm/express-rate-limit@7.4.1_express@4.21.0/node_modules/express-rate-limit/dist/index.cjs:617:20)
at /home/daniel/Documents/2nd Sem/CS343/Project2/group-38/backend/node_modules/pnpm/express-rate-limit@7.4.1_express@4.21.0/node_modules/express-rate-limit/dist/index.cjs:670:32
at process.proc ↓ TicksAndRejections (node:internal/process/task_queues:105:5)
at async /home/daniel/Documents/2nd Sem/CS343/Project2/group-38/backend/node_modules/pnpm/express-rate-limit@7.4.1_express@4.21.0/node_modules/express-rate-limit/dist/index.cjs:650:5 {
  code: 'ERR_ERL_UNEXPECTED_X_FORWARDED_FOR',
  help: 'https://express-rate-limit.github.io/ERR_ERL_UNEXPECTED_X_FORWARDED_FOR/'
}
```

For http request:

```
20:45:41.098 SASTOPTIONS /auth/signup 204 No Content
20:45:41.521 SASTPOST /auth/signup 201 Created
```



This error is related to how Express handles the `X-Forwarded-For` header, which is typically set by proxies like Ngrok to indicate the original IP address of a client. By default, Express doesn't trust this header unless you enable the `trust proxy` setting. Without it, express-rate-limit won't correctly identify users' IP addresses, which is why this validation error is raised.

To resolve this, configure Express to trust the proxy by adding the following line in your server setup file (usually `app.js` or `index.js`):

javascript

Copy code

```
app.set('trust proxy', 1); // Trust first proxy
```

Here's what this does:

- The `1` indicates that Express should trust the first proxy in the chain. This setting is often used with services like Ngrok and Heroku.

This should fix the issue by allowing express-rate-limit to function as expected. Restart your server after making this change, and you should be able to proceed with the signup request. Let me know if it works!

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