

Web servers. Home task No2

0. [Download](#), [install](#) and [configure Nginx](#) on your workstation or laptop.

1. In previous solution/home task your Node.js server does both hosting of the Quote static SPA and exposing [REST](#) API. You need to make changes to achieve the following:

- **Implement** Nginx configuration which will [serve](#) the Quote SPA and necessary static assets.
- **Remove** all code related to serving static assets and SPA, as well as necessary packages or configurations for it. Your node.js server must expose only Quote REST API, `/ping` endpoint and other code, npm scripts and configurations that are not related to serving statics.
- **Implement** Nginx configuration which will [proxy requests](#) from Quote app to REST API server so that API requests, which are made from client app's ports (e.g., 4200), are proxied and redirected to server's host and port (e.g., 8080). Eventually your application must seem working on one port (as it was when server hosted client app) but it uses two. Two apps are managed by Nginx.
- **Add** [gzip compression](#) for static content.
- **Configure** [https connection](#) for both apps.

NOTES:

*If you got mark 3 and did not implement REST API in previous work, it is highly recommended you add at least two API endpoints which will return **1) a list of all quotes** and **2) a random one**.*

It is highly recommended to use [GitFlow WorkFlow](#) to deliver changes into your project.

We suggest making [conventional commits and commit linting](#) in every app and repository, you work with during this course. You can use [Husky npm package](#) to setup appropriate git hooks in your project.

Please, share an access to your repository with your mentor and other students in your group.

When task is done, submit a pull request (PR) and request review from your mentor and other mentees from your group.

Duplicate PR's link and attach it in [Learn Portal](#) when you submit your work for review.

It is recommended to attach screenshots of your work/app along with PR's link (if any).

Notify your mentor and other mentees from your group when work is done and ready for review.

Evaluation criteria:

0 - Nothing has been done.

3 - Nginx was installed and configured hosting of Quote app and related static assets. Server is cleaned up from appropriate code/packages/configurations.

4 - In addition to previous work, requests proxying to Quote REST API is configured. Now Quote app is communicating with API through nginx.

5 - In addition to previous work **gzip** compression and/or **https** connection are/is configured. Both apps work as expected without major issues.

NOTE:

You can use your personal/own REST API server and related single page app (SPA) if you want.

Please, contact your mentor or program coordinator beforehand to communicate this option and further steps.