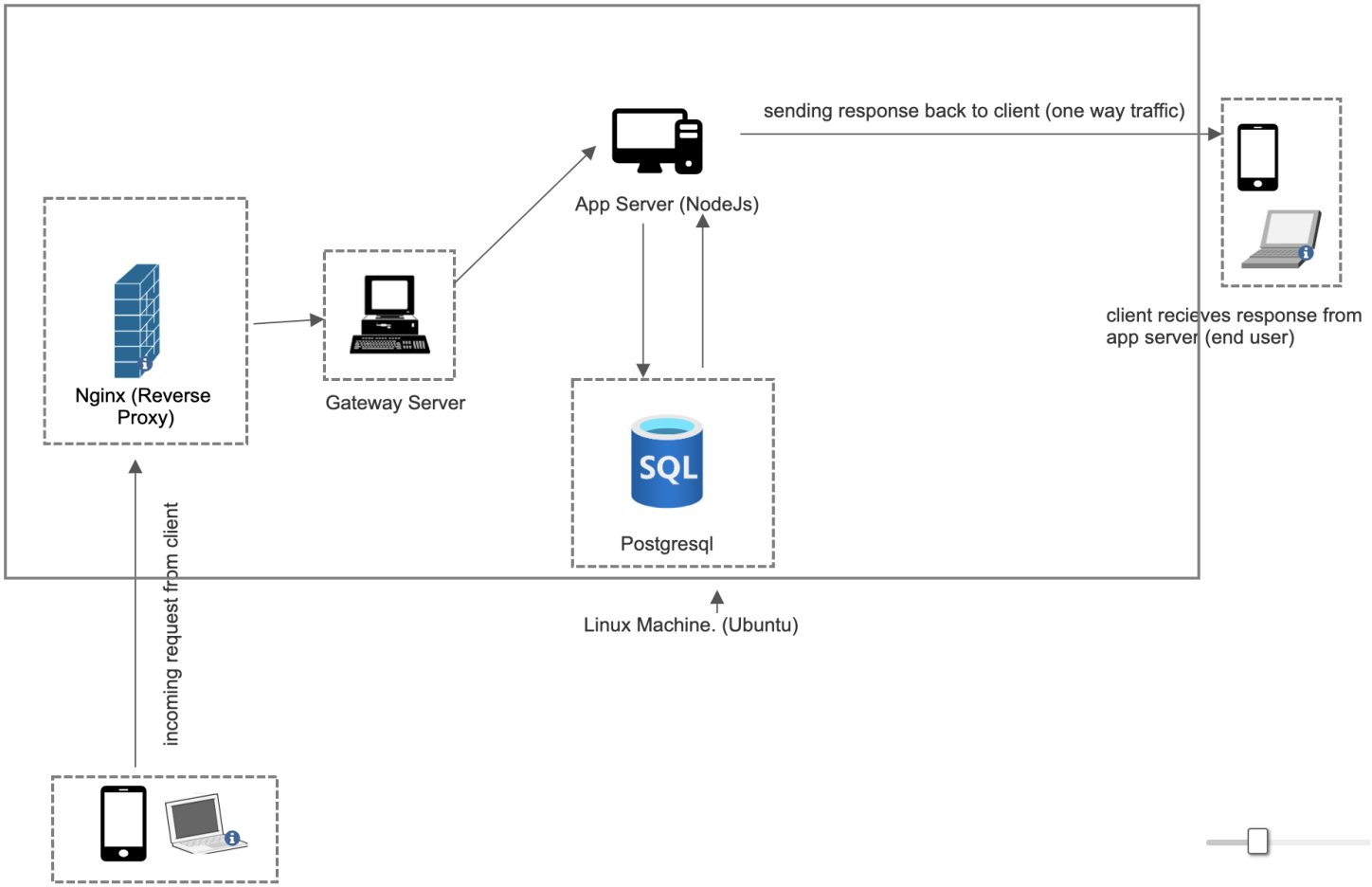
## Achitectural / Infrastructure Diagram

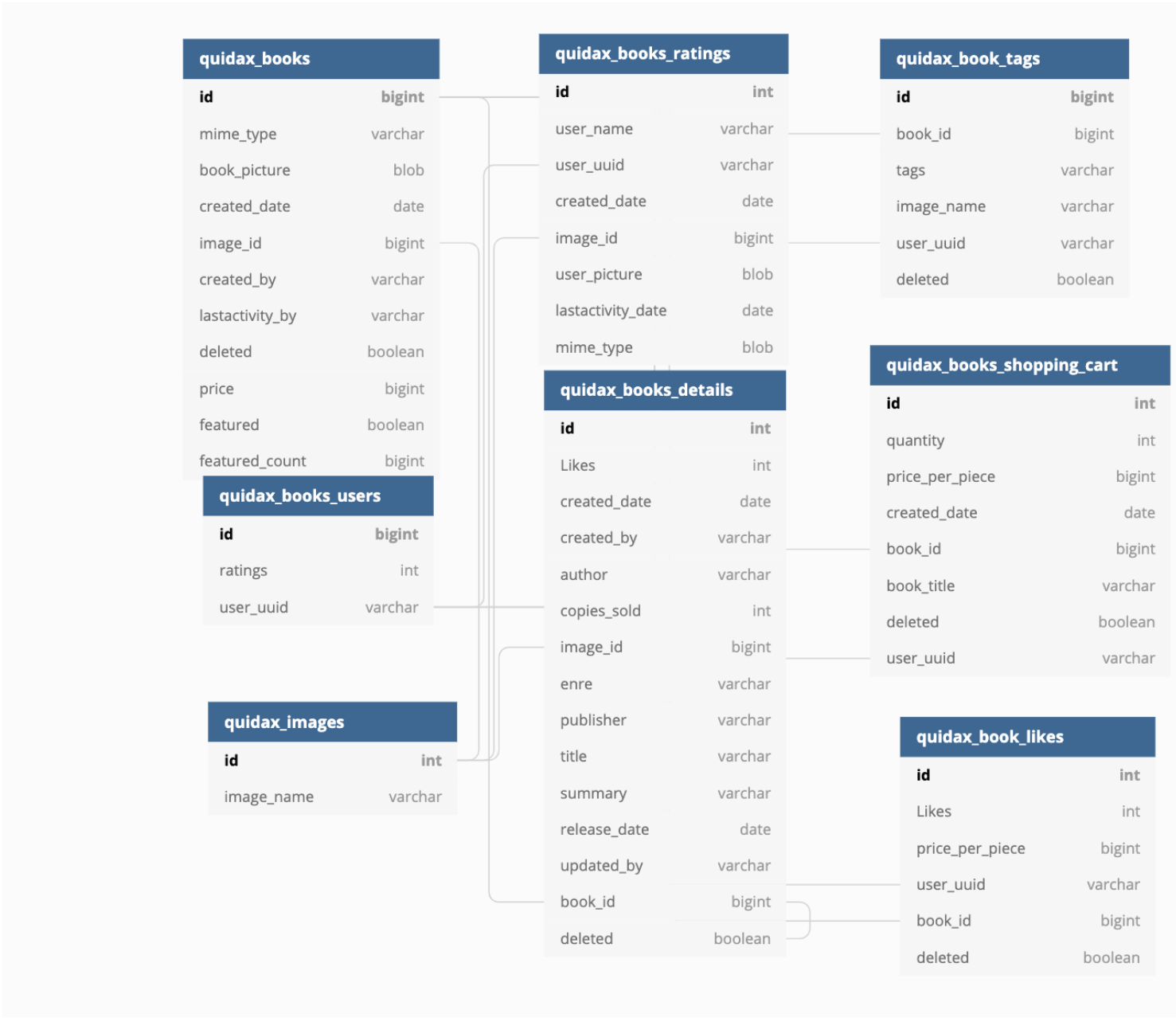



## Recommendations

1. I would advice to run multiple instances of the app server when the requests reaches 1 million hit per day, using containerization technology like docker with kubernates managing the docker containers. I would also advise that the database should also be run as a cluster also at this point.
2. this should be run on a private clound server, using either AWS, Azure, Google Cloud, Digital Oceans, using a linux machine.
3. In the event that many other features will be added to this app, it should be separated into microservices.

## DATABASE SCHEMA DESIGN DIAGRAM

Please check the next page for the database schema, there are 7 tables in total.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book_picture blob
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image_id bigint
created_by varchar
lastactivity_by varchar
deleted boolean
price bigint
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ratings int
user_uuid varchar
quidax_images
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image_name varchar
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user_name varchar
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user_picture blob
lastactivity_date date
mime_type blob
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Likes int
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author varchar
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publisher varchar
title varchar
summary varchar
release_date date
updated_by varchar
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deleted boolean
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book_id bigint
tags varchar
image_name varchar
user_uuid varchar
deleted boolean
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book_id bigint
book_title varchar
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