# Mohammad Harun-Or-Rashid

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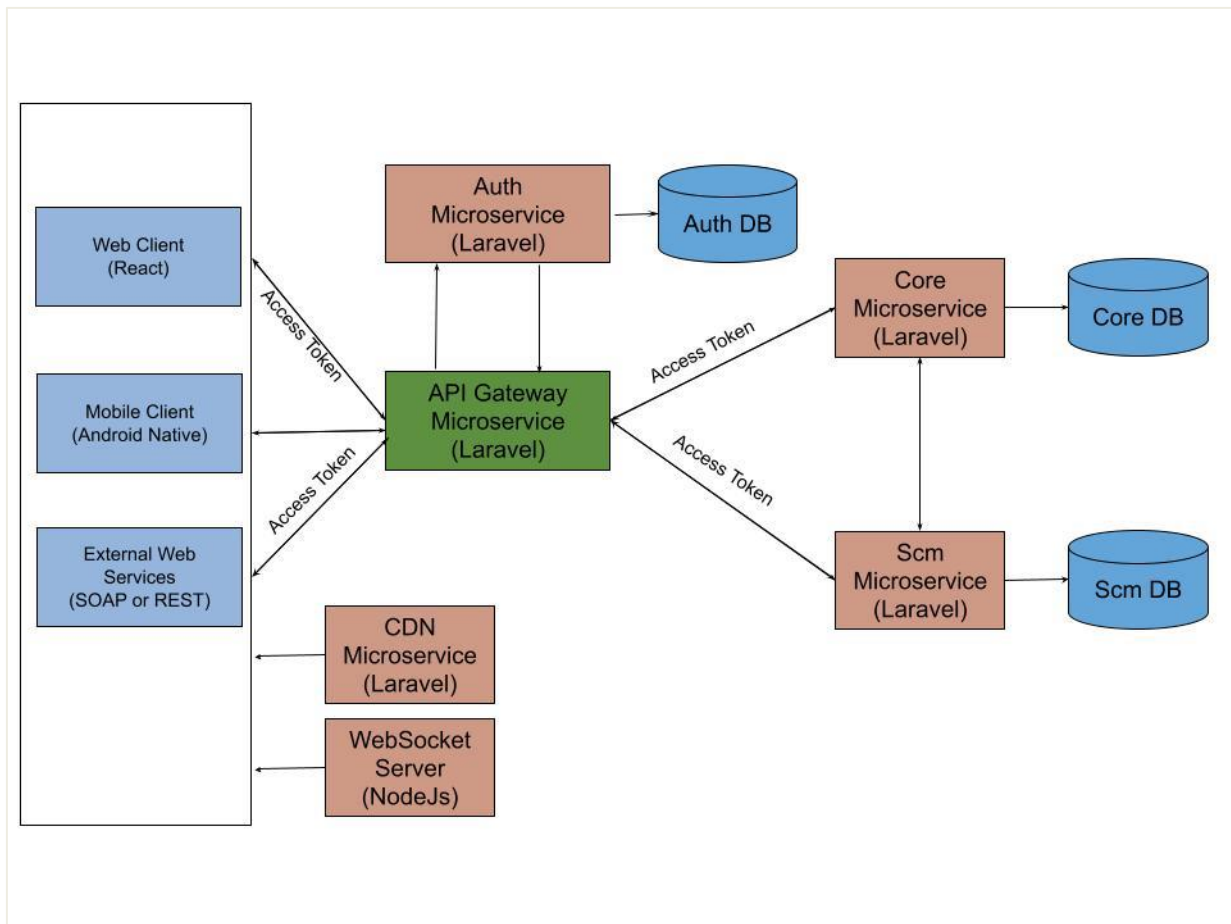Dhaka Cantt. Dhaka 1207
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# My Project Microservice Architecture

# My Project Microservice Domain and Subdomain

| Service | Api Gateway URL | Domain | Server Path | Language / Database |
|---|---|---|---|---|
| client | http://mis.com | mis.com | /client/react | React / No Database |
| api | http://api.mis.com/ | api.mis.com | /server/api-gateway | PHP / No Database |
| auth | http://api.mis.com/auth-server/ | auth.mis.com | /server/auth-server | PHP / Database |
| core | http://api.mis.com/core/ | core.mis.com | /server/core-microservice | PHP / Database |
| cdn | http://api.mis.com/cdn/ | cdn.mis.com | /server/cdn-microservice | PHP / No Database |
| docs | http://api.mis.com/docs/ | docs.mis.com | /docs/api | PHP / No Database |
| scm | http://api.mis.com/scm/ | scm.mis.com | /server/scm-microservice | PHP / Database |
| Web Socket | http://socket.mis.com/ | socket.mis.com | /server/socket | NodeJs / No Database |

## Authentication (Oauth 2.0)

- Token based Authentication
- After successful user login, it creates both access and refresh token.
- Access Token (JWT) – Live time 15 to 30 minutes
- Refresh Token – When access token expires, use refresh token to generate new access token.

## Permission

- Public Server (React App, API Server, CDN Server)
- Private Server (Auth Server, Core Server, SCM Server)
- Private Server can be accessible only from hosting server. It is restricted by IP.
- All request go through API Server. API Server first check permission to communicate with Auth server. If permission is granted then request forward to relevant server, otherwise it shows access denied warning.