

Architectural Analysis - IProov App

Objective is to integrate iProov's backend APIs, customers need to consider several technical implementation aspects. Based on the documentation and your experience with the first part of this technical test, please provide 3 observations or implementation decisions a customer must make.

Additionally what questions would you ask a customer of their architecture decisions.

Customer needs to consider the following implementation:

- Select the correct iProov region, the API credentials are bound to a single geographical region.
 - Following are the regions available.

Platform	API Base URL	SDK URL
Multi-tenant EU	https://eu.rp.secure.iproov.me/api/v2	wss://eu.rp.secure.iproov.me/ws
Multi-tenant USA	https://us.rp.secure.iproov.me/api/v2	wss://us.rp.secure.iproov.me/ws
Multi-tenant Sg	https://sg.rp.secure.iproov.me/api/v2	wss://sg.rp.secure.iproov.me/ws
Multi-tenant Au	https://au.rp.secure.iproov.me/api/v2	wss://au.rp.secure.iproov.me/ws
Muti-tenant JK	https://jkt.rp.secure.iproov.me/api/v2	wss://jkt.rp.secure.iproov.me/ws
Multi-tenant LATAM	https://latam.rp.secure.iproov.me/api/v2	wss://latam.rp.secure.iproov.me/ws

- Rate Limiting is in place, to avoid sending too many requests to the endpoint.
 - Should consider the following when implementing the Retry mechanism
 - What specific errors should trigger a retry? For example, network issues, server errors, or client-side validation failures?
 - How will the user be informed of retries? Should there be a visual indicator or a message displayed?
 - How many attempts should the user have before giving up? Is there any specific logic for retrying (e.g., exponential backoff)?
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- Logging is the critical part of the implementation, this will help to troubleshoot during any issue, these are recommended fields to be logged in the system
 - Error codes and failure reasons
 - Retry state and attempts
 - For every transaction:

- Resource ID
 - Tokens
 - User ID
- Validate result
- User device or browser
- SDK version