BROADCOM SOFTWARE

April Office Hours

April, 28th 2022

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- Layer7 Community GitHub
  - https://github.com/Layer7-Community/Mobile

- Building Mobile App without using the MAG SDK

- We have already published sample native apps for Android and IOS using separate code bases – Java versus Swift

- But can I use a single codebase for all my apps on IOS, Android, MacOS, etc?

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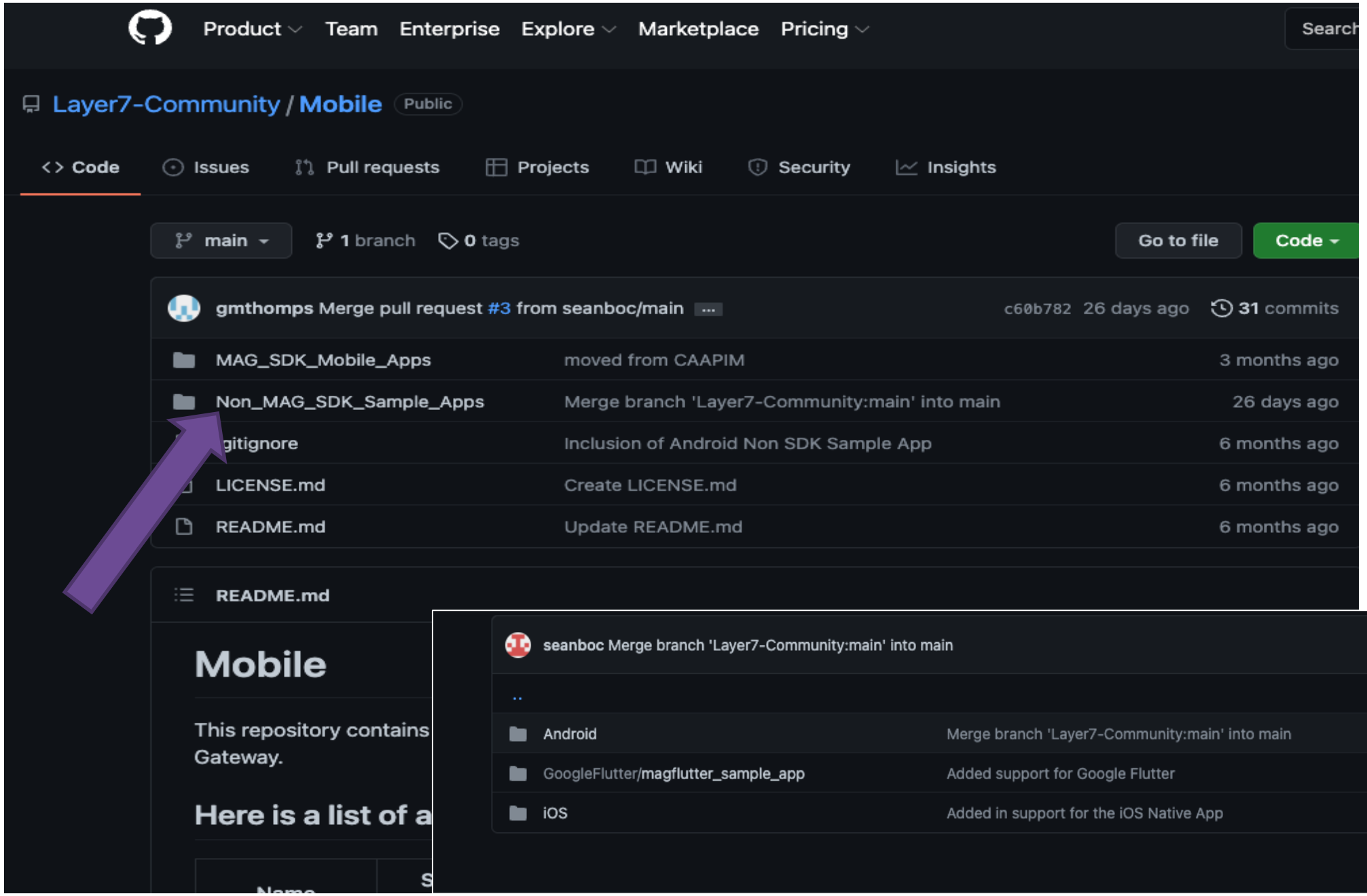

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Yes You Can ….

- Using VS Code, Google Flutter Frameworks and Dart
- Single codebase App for Android, IOS, MacOS, Chrome, etc.
- Advantage: easier to code for MTLS, and API invocation as well as agnostic access to specific device properties.
- Limitations: Need access to secure storage on device, location details can be limited.
- The full MAG protocol is provided as a sample App.

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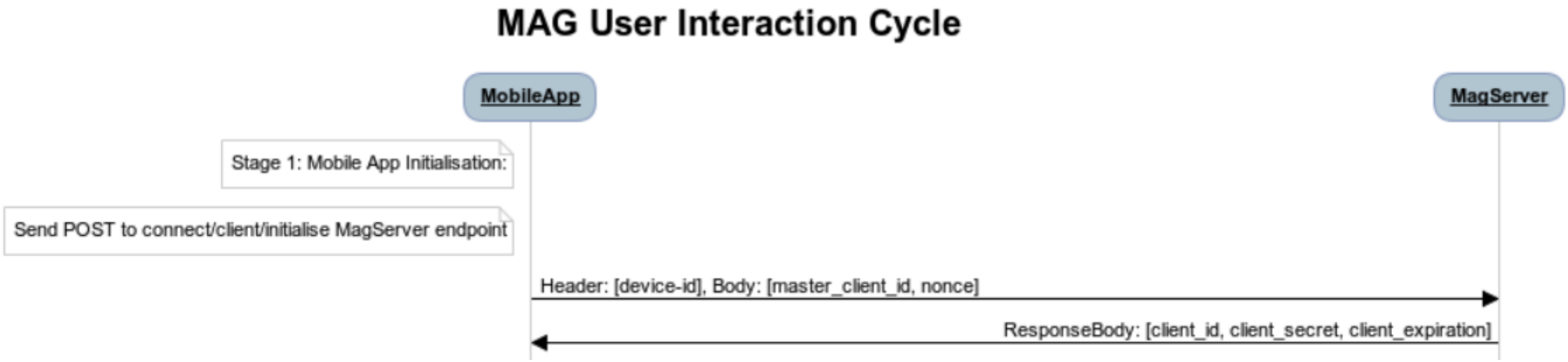
MAG Protocol – A brief Re-Cap

- Stage 1: Retrieve a Client ID and Secret for your app ‘instance’



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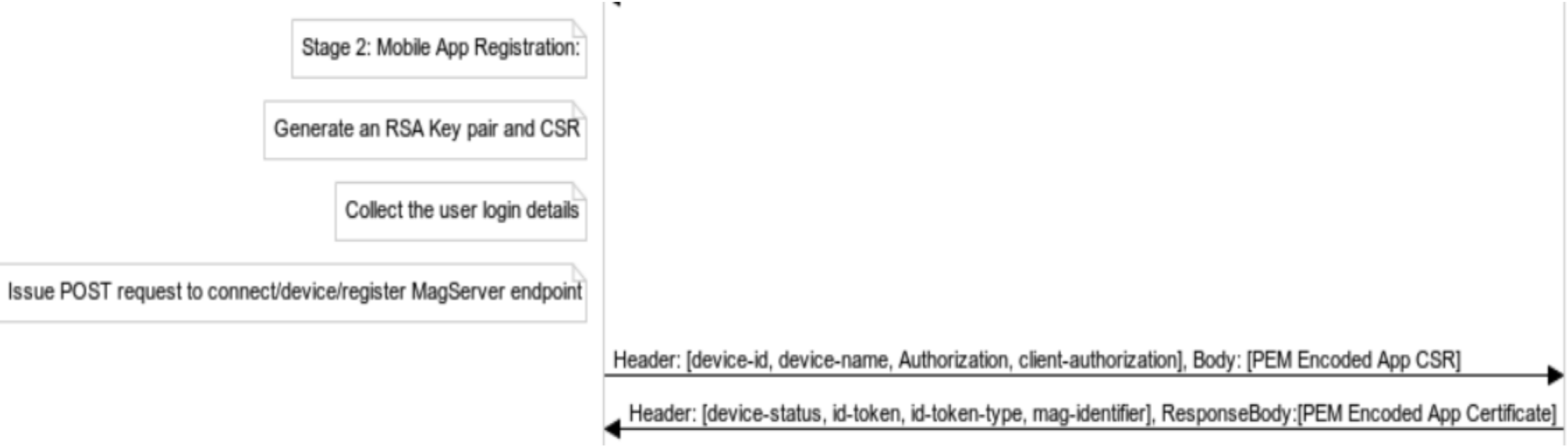
MAG Protocol ……

- Stage 2: Register Mobile App using CSR and retrieve Id-token, magIdentifier using client and user credentials



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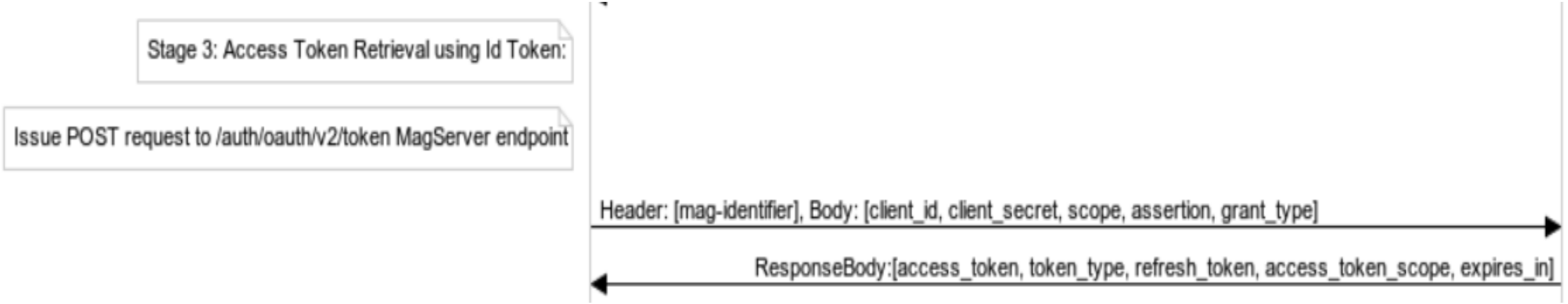
MAG Protocol ……

- Stage 3: Using Id Token, magIdentifier, retrieve Access Token, Scope and Refresh Token



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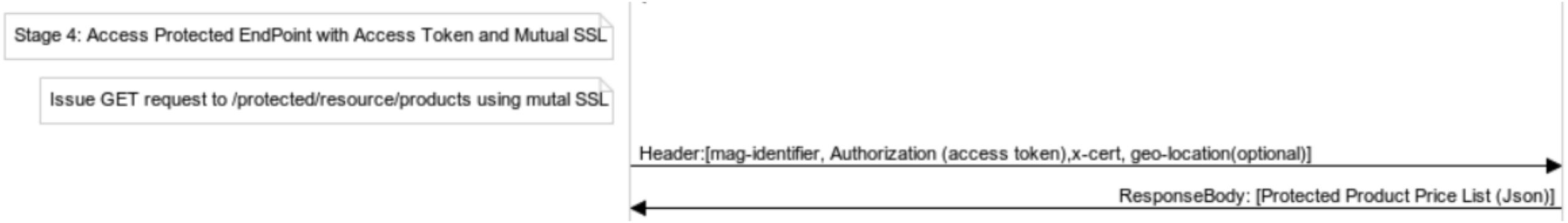
MAG Protocol ……

- Stage 4: Access a Protected API



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MAG Protocol ……

- Stage 5: Refresh the Access Token

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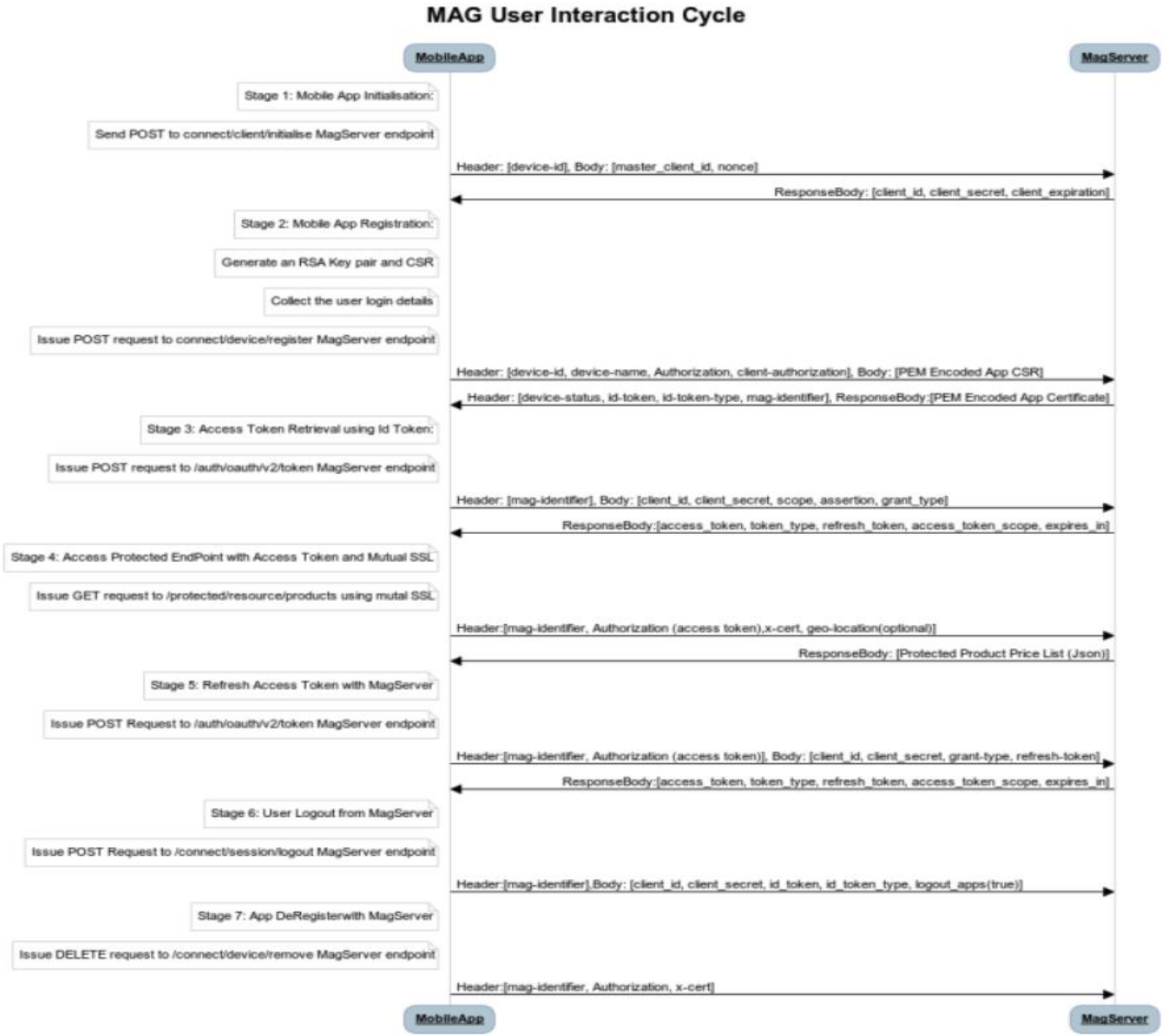

Complete Layer7 MAG Client Flow

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Can I still use the SDK?

- Absolutely….
- MAG SDK Docs
- This field initiative is simply offering freedom, to bring your own dev. language or IDE Framework to API Integration.
- Often this makes it easier to align with the latest IOS, MacOS and Android versions.

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Quick Demo

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