

openapi generator

#MAGE

Attempt 1, unmodified openapi.yaml

```
~/Downloads/swift-openapi-generator-main swift run swift-openapi-generator
generate --mode types --mode client --output-directory ./swift5_generated ./
openapi.yaml
```

```
warning: 'swift-algorithms': found 1 file(s) which are unhandled; explicitly
declare them as resources or exclude from the target
```

```
  /Users/brent/Downloads/swift-openapi-generator-main/.build/checkouts/
swift-algorithms/Sources/Algorithms/Documentation.docc
```

```
warning: 'swift-algorithms': found 1 file(s) which are unhandled; explicitly
declare them as resources or exclude from the target
```

```
  /Users/brent/Downloads/swift-openapi-generator-main/.build/checkouts/
swift-algorithms/Sources/Algorithms/Documentation.docc
```

```
Building for debugging...
```

```
[1/1] Write swift-version--58304C5D6DBC2206.txt
```

```
Build of product 'swift-openapi-generator' complete! (0.31s)
```

```
Swift OpenAPI Generator is running with the following configuration:
```

- OpenAPI document path: /Users/brent/Downloads/swift-openapi-generator-main/openapi.yaml
- Configuration path: <none>
- Generator modes: types, client
- Access modifier: internal
- Feature flags: <none>
- Output file names: Types.swift, Client.swift
- Output directory: /Users/brent/Downloads/swift-openapi-generator-main/swift5_generated
- Diagnostics output path: <none - logs to stderr>
- Current directory: /Users/brent/Downloads/swift-openapi-generator-main
- Plugin source: <none>
- Is dry run: false
- Additional imports: <none>

```
error: External references are not supported. [context: location=/api/events/
```

```
{eventId}/locations/POST/requestBody/content/application/json/schema,  
reference=gojson.yaml#/definitions/feature]  
Error: error: External references are not supported. [context: location=/api/  
events/{eventId}/locations/POST/requestBody/content/application/json/schema,  
reference=gojson.yaml#/definitions/feature]
```

Attempt 2, bundled openapi file

```
~/Downloads/swift-openapi-generator-main swift run swift-openapi-generator  
generate --mode types --mode client --output-directory ./swift5_generated ./  
bundled-openapi.yaml
```

```
Building for debugging...  
[1/1] Write swift-version--58304C5D6DBC2206.txt  
Build of product 'swift-openapi-generator' complete! (0.16s)  
Swift OpenAPI Generator is running with the following configuration:  
- OpenAPI document path: /Users/brent/Downloads/swift-openapi-generator-main/  
bundled-openapi.yaml  
- Configuration path: <none>  
- Generator modes: types, client  
- Access modifier: internal  
- Feature flags: <none>  
- Output file names: Types.swift, Client.swift  
- Output directory: /Users/brent/Downloads/swift-openapi-generator-main/  
swift5_generated  
- Diagnostics output path: <none - logs to stderr>  
- Current directory: /Users/brent/Downloads/swift-openapi-generator-main  
- Plugin source: <none>  
- Is dry run: false  
- Additional imports: <none>  
error: Invalid content type string. [context: contentType=pbf, location=/api/  
events/{eventId}/layers/{layerId}/{tableName}/GET/responses,  
recoverySuggestion=Must have 2 components separated by a slash '<type>/  
<subtype>'.]  
Error: error: Invalid content type string. [context: contentType=pbf,  
location=/api/events/{eventId}/layers/{layerId}/{tableName}/GET/responses,
```

```
recoverySuggestion=Must have 2 components separated by a slash '<type>/<subtype>' .]
```

Attempt 3, update pbf in bundled-openapiyam1 :

```
1407 /a '/api/events/{eventId}/layers/{layerId}/{tableName}':
1408   parameters:
1409     - $ref: '#/components/parameters/eventIdInPath'
1410     - $ref: '#/components/parameters/layerIdInPath'
1411   get:
1412     tags:
1413       - Layer
1414     operationId: getXYZTileForGeoPackage
1415     description: |
1416       Get an XYZ map tile for the specified layer in the specified
1417     event.
1418     parameters:
1419       - in: path
1420         name: tableName
1421         description: GeoPackage table name
1422         required: true
1423         schema:
1424           type: string
1425     responses:
1426       '200':
1427         description: Success - XYZ map tile.
1428         content:
1429           image/jpeg:
1430             schema:
1431               type: string
1432               format: binary
1433               description: JPEG map tile
1434           pbf:
1435             schema:
1436               type: string
1437               format: binary
1438               description: Google protobuf vector tile
```

Changed 1433 to application/octet-stream:

```
swift run swift-openapi-generator generate --mode types --mode client --access-  
modifier public --output-directory ~/swift5_public~ ~/bundled-openapi.yaml
```

```
swift run swift-openapi-generator generate --mode types --mode client --  
access-modifier public --output-directory ./swift5_public ./bundled-  
openapi.yaml ✓ | at 16:21:08  
Building for debugging...  
[1/1] Write swift-version--58304C5D6DBC2206.txt  
Build of product 'swift-openapi-generator' complete! (0.15s)  
Swift OpenAPI Generator is running with the following configuration:  
- OpenAPI document path: /Users/brent/Downloads/swift-openapi-generator-main/  
bundled-openapi.yaml  
- Configuration path: <none>  
- Generator modes: types, client  
- Access modifier: public  
- Feature flags: <none>  
- Output file names: Types.swift, Client.swift  
- Output directory: /Users/brent/Downloads/swift-openapi-generator-main/  
swift5_public  
- Diagnostics output path: <none - logs to stderr>  
- Current directory: /Users/brent/Downloads/swift-openapi-generator-main  
- Plugin source: <none>  
- Is dry run: false  
- Additional imports: <none>  
warning: Multipart request bodies must always be required, but found an  
optional one - skipping. Mark as `required: true` to get this body generated.  
[context: foundIn=Operations.authorize.Input.Body (#/paths/auth/token/POST/  
requestBody)/multipart/form-data]  
warning: Schema "not ()" is not supported, reason: "schema type", skipping  
[context: foundIn=Operations.getUsers.Output.Ok.Body]  
warning: Schema "not ()" is not supported, reason: "schema type", skipping  
[context: foundIn=Operations.getDevices.Output.Ok.Body]  
warning: Multipart request bodies must always be required, but found an  
optional one - skipping. Mark as `required: true` to get this body generated.  
[context: foundIn=Operations.authorize.Input.Body (#/paths/auth/token/POST/  
requestBody)/multipart/form-data]  
warning: Multipart request bodies must always be required, but found an  
optional one - skipping. Mark as `required: true` to get this body generated.
```

```
[context: foundIn=Operations.addFormToEvent.Input.Body (/paths/api/events/{eventId}/forms/POST/requestBody)/multipart/form-data]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=Operations.getUsersForEvent.Output.Ok.Body]
warning: Multipart request bodies must always be required, but found an optional one - skipping. Mark as `required: true` to get this body generated.
[context: foundIn=Operations.addFormToEvent.Input.Body (/paths/api/events/{eventId}/forms/POST/requestBody)/multipart/form-data]
Writing data to file Client.swift...
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=#/components/schemas/User]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=#/components/schemas/UserRef]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=#/components/schemas/UserIn]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=#/components/schemas/UserCreate]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=#/components/schemas/UserUpdateSelf]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=#/components/schemas/UserPasswordPair]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=Components.Schemas.Authentication (/components/schemas/Authentication)/user]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=#/components/schemas/Device]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=Components.Schemas.Team (/components/schemas/Team)/users]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=Components.Schemas.TeamIn (/components/schemas/TeamIn)/users]
warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.TeamCreate.Value2Payload (/components/schemas/TeamCreate/value2)/name]
warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.TeamRef.Value2Payload (/components/schemas/TeamRef/value2)/id]
warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.FormCreate.Value2Payload (/components/schemas/FormCreate/value2)/name]
```

warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.FormCreate.Value2Payload (#/components/schemas/FormCreate/value2)/color]

warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.FormCreate.Value2Payload (#/components/schemas/FormCreate/value2)/fields]

warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.LayerRef.Value2Payload (#/components/schemas/LayerRef/value2)/id]

warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.ObservationIn.Value3Payload (#/components/schemas/ObservationIn/value3)/type]

warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.ObservationIn.Value3Payload (#/components/schemas/ObservationIn/value3)/geometry]

warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.ObservationIn.Value3Payload (#/components/schemas/ObservationIn/value3)/properties]

warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.ObservationImportantCreate.Value2Payload (#/components/schemas/ObservationImportantCreate/value2)/description]

warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.ObservationStateCreate.Value2Payload (#/components/schemas/ObservationStateCreate/value2)/name]

warning: Schema "not ()" is not supported, reason: "schema type", skipping [context: foundIn=Components.Schemas.LoginResponse (#/components/schemas/LoginResponse)/user]

warning: Schema "not ()" is not supported, reason: "schema type", skipping [context: foundIn=#/components/schemas/Login]

warning: Schema "string (binary)" is not supported, reason: "Binary properties in object schemas.", skipping [context: foundIn=Components.Schemas.LayerCreate (#/components/schemas/LayerCreate)/geopackage]

warning: A property name only appears in the required list, but not in the properties map - this is likely a typo; skipping this property. [context: foundIn=Components.Schemas.Export (#/components/schemas/Export)/type]

```
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=Operations.getUserLogins.Output.Ok.Body.jsonPayload (#/
paths/api/logins/GET/responses/200/content/json)/logins]
warning: Multipart request bodies must always be required, but found an
optional one - skipping. Mark as `required: true` to get this body generated.
[context: foundIn=Operations.authorize.Input.Body (#/paths/auth/token/POST/
requestBody)/multipart/form-data]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=Operations.getUsers.Output.Ok.Body (#/paths/api/users/GET/
responses/200/content)]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=Operations.getDevices.Output.Ok.Body (#/paths/api/devices/
GET/responses/200/content)]
warning: Multipart request bodies must always be required, but found an
optional one - skipping. Mark as `required: true` to get this body generated.
[context: foundIn=Operations.addFormToEvent.Input.Body (#/paths/api/events/
{eventId}/forms/POST/requestBody)/multipart/form-data]
warning: Schema "not ()" is not supported, reason: "schema type", skipping
[context: foundIn=Operations.getUsersForEvent.Output.Ok.Body (#/paths/api/
events/{eventId}/users/GET/responses/200/content)]
Writing data to file Types.swift...
```

Added `swift-openapi-runtime` and `swift-openapi-urlsession` to a new app and added `Client.swift` and `Types.swift`

Get the following when building:

```
SwiftCompile normal arm64 /Users/brent/Development/MageOpenAPITest2025/
MageOpenAPITest2025/Client.swift (in target 'MageOpenAPITest2025' from project
'MageOpenAPITest2025')
  cd /Users/brent/Development/MageOpenAPITest2025
  /Applications/Xcode.app/Contents/Developer/Toolchains/
XcodeDefault.xctoolchain/usr/bin/swift-frontend -c /Users/brent/Development/
MageOpenAPITest2025/MageOpenAPITest2025/ContentView.swift /Users/brent/
Development/MageOpenAPITest2025/MageOpenAPITest2025/Types.swift -primary-
file /Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift /Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
```

```
MageOpenAPITest2025App.swift /Users/brent/Library/Developer/Xcode/DerivedData/
MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/
MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/
DerivedSources/GeneratedAssetSymbols.swift -emit-dependencies-path /Users/
brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-
eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/
MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/
Objects-normal/arm64/Client.d -emit-const-values-path /Users/brent/Library/
Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/
Build/Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/
MageOpenAPITest2025.build/Objects-normal/arm64/Client.swiftconstvalues -emit-
reference-dependencies-path /Users/brent/Library/Developer/Xcode/DerivedData/
MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/
MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/
Objects-normal/arm64/Client.swiftdeps -serialize-diagnostics-path /Users/
brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-
eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/
MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/
Objects-normal/arm64/Client.dia -emit-localized-strings -emit-localized-
strings-path /Users/brent/Library/Developer/Xcode/DerivedData/
MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/
MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/
Objects-normal/arm64 -target arm64-apple-ios18.1-simulator -Xllvm -aarch64-
use-tbi -enable-objc-interop -sdk /Applications/Xcode.app/Contents/Developer/
Platforms/iPhoneSimulator.platform/Developer/SDKs/iPhoneSimulator18.1.sdk -I /
Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-
eodtlaiwlbngzchnhdfsawirlze/Build/Products/Debug-iphonesimulator -F /Users/
brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-
eodtlaiwlbngzchnhdfsawirlze/Build/Products/Debug-iphonesimulator/
PackageFrameworks -F /Users/brent/Library/Developer/Xcode/DerivedData/
MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Products/Debug-
iphonesimulator/PackageFrameworks -F /Users/brent/Library/Developer/Xcode/
DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Products/
Debug-iphonesimulator/PackageFrameworks -F /Users/brent/Library/Developer/
Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/
Products/Debug-iphonesimulator/PackageFrameworks -F /Users/brent/Library/
Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/
Build/Products/Debug-iphonesimulator/PackageFrameworks -F /Users/brent/
Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-
eodtlaiwlbngzchnhdfsawirlze/Build/Products/Debug-iphonesimulator -no-color-
diagnostics -enable-testing -g -debug-info-format=dwarf -dwarf-version=5
-module-cache-path /Users/brent/Library/Developer/Xcode/DerivedData/
ModuleCache.noindex -swift-version 5 -enforce-exclusivity=checked -Onone -D
```

```
DEBUG -serialize-debugging-options -const-gather-protocols-file /Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/Objects-normal/arm64/MageOpenAPITest2025_const_extract_protocols.json -enable-experimental-feature DebugDescriptionMacro -enable-experimental-feature OpaqueTypeErasure -enable-bare-slash-regex -empty-abi-descriptor -validate-clang-modules-once -clang-build-session-file /Users/brent/Library/Developer/Xcode/DerivedData/ModuleCache.noindex/Session.modulevalidation -Xcc -working-directory -Xcc /Users/brent/Development/MageOpenAPITest2025 -resource-dir /Applications/Xcode.app/Contents/Developer/Toolchains/XcodeDefault.xctoolchain/usr/lib/swift -enable-anonymous-context-mangled-names -file-compilation-dir /Users/brent/Development/MageOpenAPITest2025 -Xcc -D_LIBCPP_HARDENING_MODE=_LIBCPP_HARDENING_MODE_DEBUG -Xcc -ivfsstatcache -Xcc /Users/brent/Library/Developer/Xcode/DerivedData/SDKStatCaches.noindex/iphonesimulator18.1-22B74-3d93aac3a03ebac1dd8474c5def773dc.sdkstatcache -Xcc -I/Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/swift-overrides.hmap -Xcc -iquote -Xcc /Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/MageOpenAPITest2025-generated-files.hmap -Xcc -I/Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/MageOpenAPITest2025-own-target-headers.hmap -Xcc -I/Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/MageOpenAPITest2025-all-non-framework-target-headers.hmap -Xcc -ivfsoverlay -Xcc /Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025-4a69e97ea6ca730852361d7fa9df72dd-VFS-iphonesimulator/all-product-headers.yaml -Xcc -iquote -Xcc /Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/MageOpenAPITest2025-project-headers.hmap -Xcc -I/Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Products/Debug-iphonesimulator/include -Xcc -I/Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/MageOpenAPITest2025.build/
```

```
DerivedSources-normal/arm64 -Xcc -I/Users/brent/Library/Developer/Xcode/
DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/
Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/
MageOpenAPITest2025.build/DerivedSources/arm64 -Xcc -I/Users/brent/Library/
Developer/Xcode/DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/
Build/Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/
MageOpenAPITest2025.build/DerivedSources -Xcc -DDEBUG=1 -module-name
MageOpenAPITest2025 -frontend-parseable-output -disable-clang-spi -target-sdk-
version 18.1 -target-sdk-name iphonesimulator18.1 -external-plugin-path /
Applications/Xcode.app/Contents/Developer/Platforms/iPhoneOS.platform/
Developer/usr/lib/swift/host/plugins\#/Applications/Xcode.app/Contents/
Developer/Platforms/iPhoneOS.platform/Developer/usr/bin/swift-plugin-server
-external-plugin-path /Applications/Xcode.app/Contents/Developer/Platforms/
iPhoneOS.platform/Developer/usr/local/lib/swift/host/plugins\#/Applications/
Xcode.app/Contents/Developer/Platforms/iPhoneOS.platform/Developer/usr/bin/
swift-plugin-server -plugin-path /Applications/Xcode.app/Contents/Developer/
Toolchains/XcodeDefault.xctoolchain/usr/lib/swift/host/plugins -plugin-path /
Applications/Xcode.app/Contents/Developer/Toolchains/XcodeDefault.xctoolchain/
usr/local/lib/swift/host/plugins -o /Users/brent/Library/Developer/Xcode/
DerivedData/MageOpenAPITest2025-eodtlaiwlbngzchnhdfsawirlze/Build/
Intermediates.noindex/MageOpenAPITest2025.build/Debug-iphonesimulator/
MageOpenAPITest2025.build/Objects-normal/arm64/Client.o -index-unit-output-
path /MageOpenAPITest2025.build/Debug-iphonesimulator/
MageOpenAPITest2025.build/Objects-normal/arm64/Client.o -index-store-path /
Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-
eodtlaiwlbngzchnhdfsawirlze/Index.noindex/DataStore -index-system-modules
```

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:6205:46: error: 'UserIn' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
```

```
        case json(Components.Schemas.UserIn)
```

```
                ~~~~~^
```

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
```

```
    public enum Schemas {
```

```
        ^
```

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:319:42: error: instance method
```

```
'setOptionalRequestBodyAsJSON(_:headerFields:contentType:)' requires that
'Components.Schemas.DeviceIn' conform to 'Encodable'
```

```
        body = try converter.setOptionalRequestBodyAsJSON(  
                ^
```

```
/Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-
```

```

eodtlaiwlbngzchnhdfsawirlze/SourcePackages/checkouts/swift-openapi-runtime/
Sources/OpenAPIRuntime/Conversion/Converter+Client.swift:95:17: note: where
'T' = 'Components.Schemas.DeviceIn'
    public func setOptionalRequestBodyAsJSON<T: Encodable>(
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:696:31: error: value of type 'Converter' has no member
'setQueryItemAsJSON'
        try converter.setQueryItemAsJSON(
            ~~~~~ ^~~~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:698:29: error: cannot infer contextual base in reference to
member 'form'
            style: .form,
                ~^~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:7297:46: error: 'UserCreate' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
            case json(Components.Schemas.UserCreate)
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:7320:50: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
            case json(Components.Schemas.User)
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:7325:57: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
            public var json: Components.Schemas.User {
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/

```

```

Client.swift:786:48: error: type 'Components.Schemas' has no member 'User'
    Components.Schemas.User.self,
    ~~~~~~~~~~~~~~~~~~~~~ ^~~~

/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:788:45: error: cannot infer type of closure parameter 'value'
without a type annotation
    transforming: { value in
                   ^

/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:7716:50: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
    case json(Components.Schemas.User)
              ~~~~~~~~~~~~~~~~~~~~~ ^

/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
              ^

/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:7721:57: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
    public var json: Components.Schemas.User {
                ~~~~~~~~~~~~~~~~~~~~~ ^

/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
              ^

/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1014:48: error: type 'Components.Schemas' has no member 'User'
    Components.Schemas.User.self,
    ~~~~~~~~~~~~~~~~~~~~~ ^~~~

/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1016:45: error: cannot infer type of closure parameter 'value'
without a type annotation
    transforming: { value in
                   ^

/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:7817:46: error: 'UserUpdateSelf' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
    case json(Components.Schemas.UserUpdateSelf)
              ~~~~~~~~~~~~~~~~~~~~~ ^

/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {

```

^

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/  
Types.swift:7840:50: error: 'User' is not a member type of enum  
'MageOpenAPITest2025.Components.Schemas'
```

```
    case json(Components.Schemas.User)
```

```
    ~~~~~ ^
```

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/  
Types.swift:2748:17: note: 'Schemas' declared here
```

```
    public enum Schemas {
```

^

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/  
Types.swift:7845:57: error: 'User' is not a member type of enum  
'MageOpenAPITest2025.Components.Schemas'
```

```
    public var json: Components.Schemas.User {
```

```
    ~~~~~ ^
```

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/  
Types.swift:2748:17: note: 'Schemas' declared here
```

```
    public enum Schemas {
```

^

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/  
Client.swift:1090:48: error: type 'Components.Schemas' has no member 'User'
```

```
    Components.Schemas.User.self,
```

```
    ~~~~~ ^
```

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/  
Client.swift:1092:45: error: cannot infer type of closure parameter 'value'  
without a type annotation
```

```
    transforming: { value in
```

```
    ^
```

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/  
Types.swift:7984:50: error: 'User' is not a member type of enum  
'MageOpenAPITest2025.Components.Schemas'
```

```
    case json(Components.Schemas.User)
```

```
    ~~~~~ ^
```

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/  
Types.swift:2748:17: note: 'Schemas' declared here
```

```
    public enum Schemas {
```

^

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/  
Types.swift:7989:57: error: 'User' is not a member type of enum  
'MageOpenAPITest2025.Components.Schemas'
```

```
    public var json: Components.Schemas.User {
```

```
    ~~~~~ ^
```

```
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
```

```

Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1161:48: error: type 'Components.Schemas' has no member 'User'
    Components.Schemas.User.self,
    ~~~~~^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1163:45: error: cannot infer type of closure parameter 'value'
without a type annotation
    transforming: { value in
                   ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8120:50: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
    case json(Components.Schemas.User)
             ~~~~~^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8125:57: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
    public var json: Components.Schemas.User {
                ~~~~~^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1232:48: error: type 'Components.Schemas' has no member 'User'
    Components.Schemas.User.self,
    ~~~~~^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1234:45: error: cannot infer type of closure parameter 'value'
without a type annotation
    transforming: { value in
                   ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8230:50: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
    case json(Components.Schemas.User)

```

```

      ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8235:57: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        public var json: Components.Schemas.User {
            ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1292:48: error: type 'Components.Schemas' has no member 'User'
        Components.Schemas.User.self,
            ~~~~~ ^~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1294:45: error: cannot infer type of closure parameter 'value'
without a type annotation
        transforming: { value in
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8361:50: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        case json(Components.Schemas.User)
            ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8366:57: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        public var json: Components.Schemas.User {
            ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1355:48: error: type 'Components.Schemas' has no member 'User'

```

```

Components.Schemas.User.self,
~~~~~ ^~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1357:45: error: cannot infer type of closure parameter 'value'
without a type annotation
    transforming: { value in
                    ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8477:46: error: 'UserIn' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        case json(Components.Schemas.UserIn)
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8503:50: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        case json(Components.Schemas.User)
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8508:57: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        public var json: Components.Schemas.User {
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1433:48: error: type 'Components.Schemas' has no member 'User'
        Components.Schemas.User.self,
                ~~~~~ ^~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1435:45: error: cannot infer type of closure parameter 'value'
without a type annotation
    transforming: { value in
                    ^

```

```

/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8976:50: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        case json(Components.Schemas.User)
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:8981:57: error: 'User' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        public var json: Components.Schemas.User {
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1660:48: error: type 'Components.Schemas' has no member 'User'
        Components.Schemas.User.self,
                ~~~~~ ^~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1662:45: error: cannot infer type of closure parameter 'value'
without a type annotation
        transforming: { value in
                        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1724:31: error: value of type 'Converter' has no member
'setQueryItemAsJSON'
        try converter.setQueryItemAsJSON(
                ~~~~~ ^~~~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1726:29: error: cannot infer contextual base in reference to
member 'form'
        style: .form,
                ~^~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:9258:50: error: 'Device' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        case json(Components.Schemas.Device)
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/

```

```

Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:9263:57: error: 'Device' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        public var json: Components.Schemas.Device {
            ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1789:42: error: instance method
'setRequiredRequestBodyAsJSON(_:headerFields:contentType:)' requires that
'Components.Schemas.DeviceIn' conform to 'Encodable'
        body = try converter.setRequiredRequestBodyAsJSON(
            ^
/Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-
eodtlaiwlbngzchnhdfsawirlze/SourcePackages/checkouts/swift-openapi-runtime/
Sources/OpenAPIRuntime/Conversion/Converter+Client.swift:118:17: note: where
'T' = 'Components.Schemas.DeviceIn'
    public func setRequiredRequestBodyAsJSON<T: Encodable>(
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1817:48: error: type 'Components.Schemas' has no member 'Device'
        Components.Schemas.Device.self,
        ~~~~~ ^~~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1819:45: error: cannot infer type of closure parameter 'value'
without a type annotation
        transforming: { value in
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:9519:50: error: 'Device' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        case json(Components.Schemas.Device)
            ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/

```

```

Types.swift:9524:57: error: 'Device' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        public var json: Components.Schemas.Device {
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1949:48: error: type 'Components.Schemas' has no member 'Device'
        Components.Schemas.Device.self,
                ~~~~~ ^~~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1951:45: error: cannot infer type of closure parameter 'value'
without a type annotation
                transforming: { value in
                        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:9654:50: error: 'Device' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        case json(Components.Schemas.Device)
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:9659:57: error: 'Device' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        public var json: Components.Schemas.Device {
                ~~~~~ ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:1999:42: error: instance method
'setRequiredRequestBodyAsJSON(_:headerFields:contentType:)' requires that
'Components.Schemas.DeviceIn' conform to 'Encodable'
        body = try converter.setRequiredRequestBodyAsJSON(
                ^
/Users/brent/Library/Developer/Xcode/DerivedData/MageOpenAPITest2025-
eodtlaiwlbngzchnhdfsawirlze/SourcePackages/checkouts/swift-openapi-runtime/

```

```

Sources/OpenAPIRuntime/Conversion/Converter+Client.swift:118:17: note: where
'T' = 'Components.Schemas.DeviceIn'
    public func setRequiredRequestBodyAsJSON<T: Encodable>(
        ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:2027:48: error: type 'Components.Schemas' has no member 'Device'
        Components.Schemas.Device.self,
        ~~~~~^~~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:2029:45: error: cannot infer type of closure parameter 'value'
without a type annotation
        transforming: { value in
            ^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:2121:31: error: value of type 'Converter' has no member
'setQueryItemAsJSON'
        try converter.setQueryItemAsJSON(
        ~~~~~^~~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Client.swift:2123:29: error: cannot infer contextual base in reference to
member 'form'
        style: .form,
        ~~~~~
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:10626:46: error: 'UserRef' is not a member type of enum
'MageOpenAPITest2025.Components.Schemas'
        case json(Components.Schemas.UserRef)
        ~~~~~^
/Users/brent/Development/MageOpenAPITest2025/MageOpenAPITest2025/
Types.swift:2748:17: note: 'Schemas' declared here
    public enum Schemas {
        ^

```

From here, it just seems like a rabbit hole, try to fix 1 thing, 2 others break...