

Using Code Generation to Create an SDK

Using code generation tools, much of the data access code required for a client can be created automatically using metadata exposed by an Ed-Fi ODS / API platform host.

The metadata in the ODS / API v2.4 is based on version 1.2 of the Swagger specification.¹ Java and .NET clients have been explicitly customized for use with the Ed-Fi ODS / API, but the [Swagger Codegen](#) project supports generating clients for additional languages if your client will be written in Ruby, Python, PHP, or some other language.

Step-by-Step Instructions

The links below provide step-by-step guidance for the C# and Java flavors of the customized code generation tools:

- [API SDK for C#](#)
- [API SDK for Java](#)

The step-by-step instructions reference a publicly available instance of an Ed-Fi ODS / API hosted by the Ed-Fi Alliance, so you can get started even if you haven't obtained a key / secret from another platform host. A technical overview of the generated code can be found in the [SDK Reference](#) section of this documentation.

¹ In January 2016, the Swagger specification changed its name to the OpenAPI specification. As of this release, the Swagger toolset hasn't changed its identity, and this release of the Ed-Fi ODS / API still relies on version 1.2 of the Swagger specification, so we're sticking with the old name for now.

API Client Developers' Guide Contents

Find out more about how to develop client applications for an Ed-Fi ODS / API v2.4 platform: