

# API Documentation - ODS / API v2.2

The Ed-Fi ODS / API enables applications to read and write education data stored in an Ed-Fi ODS through a secure REST interface. The REST interface to the Ed-Fi ODS / API exposes metadata describing the exposed resources as well as the inputs, HTTP verbs, and schema of the exposed entities. This metadata enables a user interface (based on the [Swagger](#) framework) to display API documentation.

An overview of the ODS / API is provided, which provides a description of the types of API's, and links to specific API resources.

## Links

The following link takes you to detailed documentation for the Ed-Fi ODS / API REST interface:

[Ed-Fi ODS / API REST API Reference Documentation](#)

The screenshot shows the 'ed-fi ODS/API Documentation' page. It features a header with the Ed-Fi logo and the title 'ed-fi ODS/API Documentation'. Below the header, a sub-header states 'The Ed-Fi ODS/API is divided into several areas by function.' The main content is organized into sections: 'Resources' and 'Composites'. The 'Resources' section describes them as primary entities for client applications and lists 'Resources' as a link. The 'Composites' section describes them as read-only combinations of resources and lists 'Assessment' and 'Enrollment' as links. An example is provided for the Enrollment composite, showing how it can return all students in a class section or all students associated with a staff member.

Figure. Screen capture of the API summary page

The Swagger documentation pages also provide a means to interact with a sandbox version of the ODS using the API, which allows developers to experiment with API calls and to view responses in a test environment.

You can explore the API's interactively, but selecting the "Authorize" button and selecting the API key and secret defaults.

The screenshot shows the Swagger UI for the 'Ed-Fi Operational Data Store API'. At the top, there is a navigation bar with the Ed-Fi logo, a dropdown menu for 'API Section: Resources', and an 'Authorize' button. Below the navigation bar, the title 'Ed-Fi Operational Data Store API' is displayed, followed by a brief description: 'The Ed-Fi ODS API enables applications to read and write education data stored in an Ed-Fi ODS through a secure REST interface. The Ed-Fi ODS API supports both transactional and bulk modes of operation.' The main content area lists several API endpoints under the heading 'academicWeeks'. Each endpoint is shown with its HTTP method (GET, POST, DELETE, PUT) and a brief description of its function. For example, the 'GET /academicWeeks' endpoint is described as 'Retrieves resources based with paging capabilities using the "Get All" pattern.' Below the 'academicWeeks' section, other API entities are listed: 'accounts', 'accountabilityRatings', 'actuals', and 'assessments', each with a brief description of what they represent.

Figure. Screen capture of the API documentation interface