

# Ed-Fi Tools

Welcome! This is the central documentation site for Ed-Fi Tools, which are a collection of software and services that support and enhance Ed-Fi Technology.

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## Data Standard & General Tools

### MappingEDU

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**Latest Version:** 1.1

**Products:** Ed-Fi Data Standard, Ed-Fi ODS / API, Ed-Fi Dashboards

**Support For:** Tech Suite Two & Tech Suite Three

MappingEDU is a web-based system designed to do one common, time-consuming data integration task well: map one data standard to another. The primary users are data analysts and technical staff who create mappings between data sources. MappingEDU also contains features to assist subject matter experts in reviewing data mappings.

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[Go to MappingEDU »](#)



### MetaEd IDE

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**Latest Version:** 2.4.0

**Product:** Ed-Fi Data Standard, Ed-Fi ODS / API

**Support For:** Tech Suite Two & Tech Suite Three

MetaEd is a technology framework that uses an Ed-Fi-aligned domain specific language (DSL) to auto-generate software, database, and data standard artifacts.

A version of MetaEd called the MetaEd IDE supports the generation of Ed-Fi Extensions and all related artifacts. The MetaEd IDE is freely available to licensees.

The internal Ed-Fi Alliance team uses MetaEd to define and produce core components such as the Ed-Fi Standard Interchange Schema (XSD files), the Ed-Fi ODS (SQL Scripts), and technical documentation from a single source definition written in the MetaEd DSL.

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### Sample Data Generator

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**Latest Version: 1.2**

**Products:** Ed-Fi Data Standard, Ed-Fi Bulk Data Exchange for XML

**Support For:** Tech Suite Two & Tech Suite Three

The Sample Data Generator produces realistic, cohesive, and 100% fictional datasets for use in demonstrations and testing.

The SDG prefers statistically realistic patterns (e.g., a student with poor attendance generally tracks to poor grades, students are the appropriate age for their grade level, students who are English learners have home languages that track to their ethnicity, and so forth). The system is configurable, and can produce arbitrarily large datasets.

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## ODS / API Applications & Tools

### Analytics Middle Tier

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**Latest Version: 2.0.0**

**Product:** Ed-Fi ODS / API

**Support For:** Tech Suite Two & Tech Suite Three

The Analytics Middle Tier (AMT) is a collection of SQL views that enable data analysts to better understand and access data in an Ed-Fi ODS / API while building reports and analytics.

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### Admin App

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**Latest Version: 2.0**

**Product:** Ed-Fi ODS / API

**Support For:** Tech Suite Two & Tech Suite Three

The Ed-Fi ODS / API Admin App is a web-based administrative interface for the Ed-Fi ODS / API. The Admin App is available as a standalone application, and is also available for deployments on Azure.

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### Data Import

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**Latest Version: 1.0.2**

**Product:** Ed-Fi ODS / API

**Support For:** Tech Suite Two & Tech Suite Three

Data Import is a tool that simplifies the loading of CSV data to the Operational Data Store (ODS) of the [Ed-Fi ODS / API](#). It currently supports Ed-Fi ODS / API versions 2.5 and 3.1, and higher.

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### Tech Suite Installer

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**Latest Version: April 2020**

**Product:** Ed-Fi ODS / API and Admin App

**Support For:** Tech Suite Three

The Ed-Fi Tech Suite Installer installs and configures components of the [Ed-Fi Technical Suite](#). The three primary Ed-Fi applications that the Ed-Fi Tech Suite Installer installs are:

- Ed-Fi ODS / API

- SwaggerUI
- Admin App

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## Docker Deployment

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**Latest Version:** 1.0.0  
**Product:** Ed-Fi ODS / API  
**Support For:** Tech Suite Three

The Ed-Fi ODS Docker deployment scripts install and configure components of the [Ed-Fi ODS / API for Suite 3 v5.1.0](#) on Docker containers. The Docker Compose files provided automate the numerous configuration steps required to get the ODS / API up and running on Linux containers backed by PostgreSQL 11.

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## Migration Utility

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**Latest Version:** 2.0.0  
**Product:** Ed-Fi ODS / API  
**Support For:** Tech Suite Two & Tech Suite Three

The migration utility is a tool that updates the data store of an [Ed-Fi ODS / API](#) to a new version of the data model. It's useful for performing updates on databases populated with data.

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## Learning Standards Sync Utility

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**Latest Version:** 1.1  
**Product:** Ed-Fi ODS / API  
**Support For:** Tech Suite Two & Tech Suite Three

The Ed-Fi Learning Standards Sync Utility is a tool for system administrators for synchronizing learning standards between the AB Connect API and a specified Ed-Fi ODS / API instance. Using the tool requires active credentials for both the target Ed-Fi ODS / API instance and the AB Connect API. The Sync Utility application provides a command-line interface (CLI) to set parameters and define options.

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## Platform Tools & Utilities

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**Latest Versions:** ODS / API v3.3 and 2.6  
**Product:** Ed-Fi ODS / API  
**Support For:** Tech Suite Two & Tech Suite Three

The Ed-Fi ODS / API platform releases contain various tools and utilities created for use with the Ed-Fi ODS / API platform.

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## Ed-Fi Exchange Tools



Please note that tools in this section are released on the Ed-Fi Exchange. They are however currently receiving investment and support by the Alliance, but are not part of the long-term roadmap at this time. Promotion to an "Ed-Fi core" technology will depend on community adoption and engagement.

## Fizz Instructional Systems Toolkit

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**Latest Versions:** early access  
**Product:** n/a  
**Support For:** Tech Suite Three

The Fizz Instructional Systems Toolkit helps school districts unlock, transform and simplify, and use instructional system data. The Toolkit's initial use cases focus on student assignment completion & delinquency, and on general student activity and "presence" in instructional systems.

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