

Ed-Fi Tools Home

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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MetaEd IDE

Latest Version: 2.0

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.

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.

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.

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ODS / API Applications & Tools

Admin App

Latest Version: N.N (New Release: 7/15/2019)

Product: Ed-Fi ODS / API

Support For: Tech Suite Two & Tech Suite Three

The Ed-Fi ODS / API Admin App v1.5 for Technical Suite Two and Technical Suite Three 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

Latest Version: 1.0 Release Candidate 1

Product: Ed-Fi ODS / API

Support For: Tech Suite Two & Tech Suite Three

Data Import 1.0 is a tool to import CSV files to Technical Suite Two and Technical Suite Three using Ed-Fi ODS / API versions 2.5 and 3.1, and higher.

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ODS / API Utilities

Code Generation Utility

Latest Version: 3.2

Product: Ed-Fi ODS / API

Support For: Tech Suite Two & Tech Suite Three

The Code Generation Utility is an external tool used for generating the required classes, and ORM mappings that are necessary to build the solution. Code generation is required when working on the solution, for the core objects, profiles and extensions.

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Client-Side Bulk Load Utility

Latest Version: 3.2

Product: Ed-Fi ODS / API

Support For: Tech Suite Two & Tech Suite Three

The Client-Side Bulk Load Utility is designed to facilitate consistent and efficient loading of XML data files through the API. The primary feature of the tool is the ability to process only those data elements that have changed since the last run. This leads to substantial load time improvements on subsequent loads once an initial full import is completed. Other features include the option to effectively resume a load after stopping as well as the ability to load data using the full security model, including profiles.

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Security Visualization Tool

Latest Version: 3.2

Product: Ed-Fi ODS / API

Support For: Tech Suite Two & Tech Suite Three

Authorization schemes in an Ed-Fi ODS / API implementation are flexible and can be customized to serve a variety of security needs. However, the configuration metadata can be complex, which can make it difficult for administrators to understand exactly what permissions apply for a resource. The Ed-Fi ODS / API solution comes with a command-line Security Visualization Tool to help implementers visualize authorization configurations.

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Smoke Test Utility

Latest Version: 3.2

Product: Ed-Fi ODS / API

Support For: Tech Suite Two & Tech Suite Three

The ODS / API Smoke Test Utility is a console application that will run each dynamically generated endpoint of the ODS / API. Its purpose is to verify an installation and operation of an ODS / API, and is useful as part of a continuous build or continuous deployment environment. Although it does not perform complex scenario tests, the Smoke Test tool does methodically perform operations in scenario-like orders.

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