



ed-fi®
ALLIANCE

Interactive Webinar: Ed-Fi Technology Roadmap Releases + Exchange Contributions from the Ed-Fi Community

May 27, 2020

Welcome!

- 30 minute presentation, 10 minutes of Q&A
- Use the Webex Q&A feature to submit a question at anytime

What We'll Cover

- Recent roadmap releases
- Community contributions to the Ed-Fi Exchange
- Coming up on the roadmap

Hello!

Caroline Kazmierski
Director of Communications & Mktg

- Four years @ Ed-Fi
- Tech PR expert
- Dogs or cats?
- Contact: Caroline.Kazmierski@ed-fi.org
- Twitter: [@edfialliance](https://twitter.com/edfialliance)

Virgil Hretcanu
Application Developer, EdNexus Oregon

- 2 years @ EdNexus
- Dog or cats?
- Contact: vhretcanu@nwresd.k12.or.us

Chris Moffatt
VP of Technology

- Seven years @ Ed-Fi
- Formerly spent 20 years at Microsoft
- Dog or cats?
- Contact: Chris.Moffatt@ed-fi.org

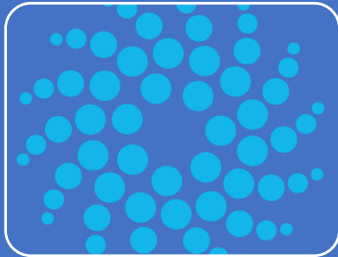
Stephen Fuqua
Senior Software Architect

- Two years @ Ed-Fi
- Experience in multiple industries, with both on-premises and SaaS models
- ~~Dog or cats?~~ Birds
- Contact: Stephen.Fuqua@ed-fi.org

What We Will Cover Today



Recent roadmap releases



Community contributions to the Ed-Fi Exchange



Coming up on the roadmap

Recent roadmap releases

Latest Releases

On behalf of the Ed-Fi community, we are pleased to announce the following releases:

- May 2020:
 - Migration Utility 1.1.0
- April 2020:
 - Data Standard v3.2b, MetaEd v2.2
 - ODS / API v3.4, Admin App v1.8
 - Analytics Middle Tier v2.0.0
 - Tech Suite Installer Preview
 - Learning Standards Sync Utility v1.1
 - Ed-Fi Dashboards v3.0.1

Ed-Fi ODS / API v3.4

Support for
PostgreSQL

- Project “Roadrunner” → Ed-Fi Core
- Targets LEA use cases (un-extended Ed-Fi Core)
- Support for PostgreSQL with related Ed-Fi tools is in progress

PostgreSQL



<https://techdocs.ed-fi.org/display/ETKB/Ed-Fi+Technology+PostgreSQL+Support>

Ed-Fi ODS / API v3.4

Support for
PostgreSQL

Data Standard
v3.2b

- Non-breaking enhancements to Core Student API (Ed-Fi RFC 24)

Major Changes – DS v3.2a&b

- Student Programs
- Discipline Domain
- Grade Point Average
- Student Attendance
- Student Enrollment Indicators
- Standards-Based Grading
- Bell Schedules and Instructional Time
Capturing Concept of Residency
- Course Transcript Domain Expansion

ED-FI RFC 24 - CORE STUDENT API

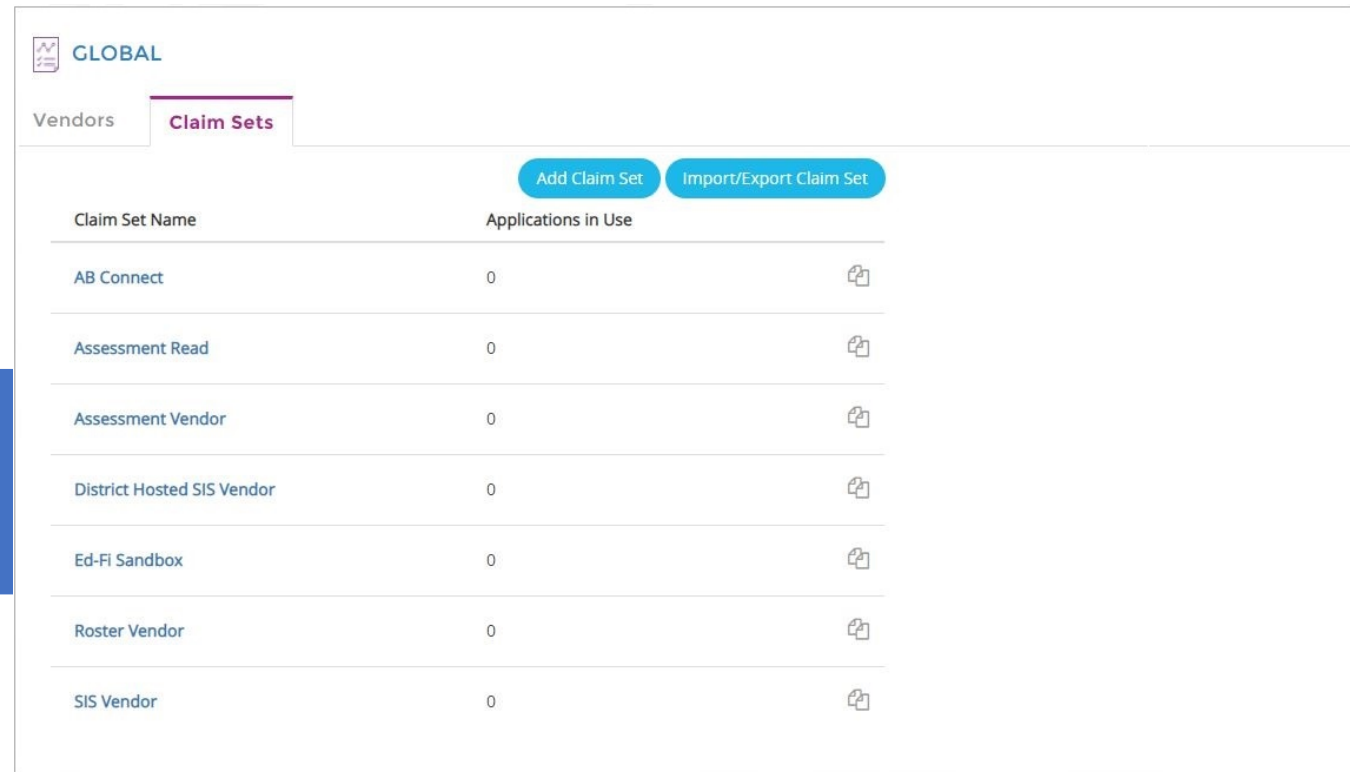
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v3.2b

Admin App
v1.8








- Claim Set Editor
- ASP.Net Identity (Preview)
- Support for PostgreSQL



GLOBAL

Vendors Claim Sets

Add Claim Set Import/Export Claim Set

Claim Set Name	Applications in Use	
AB Connect	0	
Assessment Read	0	
Assessment Vendor	0	
District Hosted SIS Vendor	0	
Ed-Fi Sandbox	0	
Roster Vendor	0	
SIS Vendor	0	

Ed-Fi ODS / API v3.4

Support for
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Admin App
v1.8

Deployment
support

- Tech Suite Installer (MSI & PowerShell)
- *Ed-Fi Exchange: Support for Cloud deployment on Azure and AWS (Beta) + additional PowerShell options*

Ed-Fi Tech Suite Setup



Welcome to the Ed-Fi Tech Suite Setup Wizard - April 2020

This Installer will set up and configure the following components from the Ed-Fi Tech Suite:

- * Ed-Fi ODS / API v3.4
- * Ed-Fi ODS / API Swagger Online Documentation
- * Ed-Fi Admin App v1.8

This version of the Installer requires the web server and database server (SQL Server or Postgres) to be on the same machine.

Visit the [Ed-Fi Tech Suite Installer April 2020](#) documentation for other prerequisites and a list of additional technology resources compatible with this version of the Tech Suite.

Click "Next" to continue or "Cancel" to exit the Setup

< Back

Next >

Cancel



Ed-Fi ODS / API v3.4

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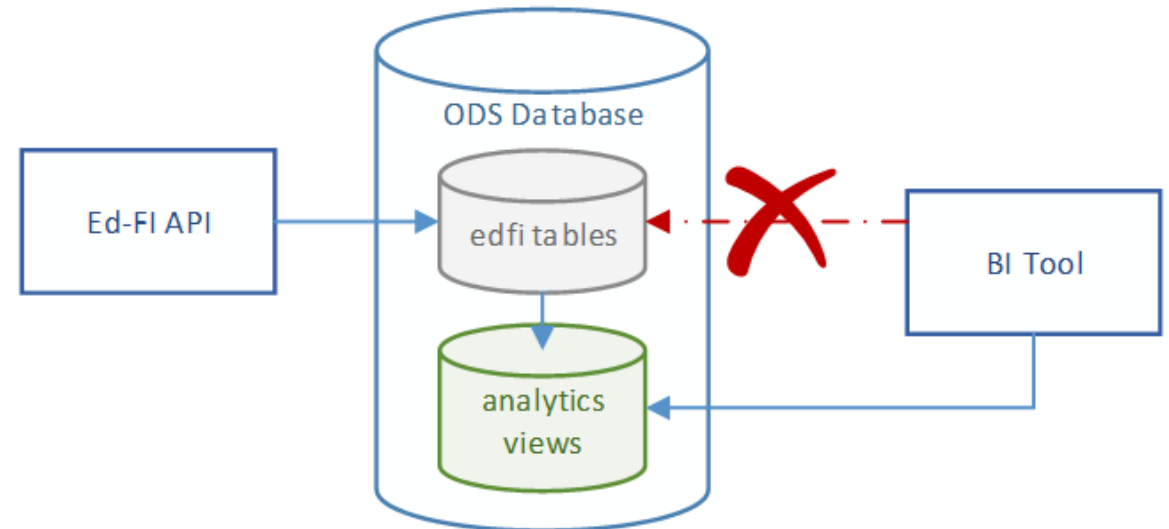
- Claim Set Editor
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Analytics Middle Tier v2.0.0

The Analytics Middle Tier 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



Analytics Middle Tier v2.0.0

Part of Ed-Fi
core

- AMT is now a part of Ed-Fi core
- Supports Data Standard v2.2, v3.1, v3.2 → Ed-Fi ODS / API across Suite 2 and Suite 3
- Expanded documentation

Compatibility

The Analytics Middle Tier views support these Ed-Fi ODS database versions:

Ed-Fi ODS / API	Data Standard	Database Engine
2.5.1 2.6.0	2.2	SQL Server 2016 SQL Server 2017
3.1.1 3.2.0	3.1	SQL Server 2016 SQL Server 2017
3.3.0	3.2a	SQL Server 2016 SQL Server 2017
3.4.0	3.2b	SQL Server 2016 SQL Server 2017 PostgreSQL 11 (⚠ experimental)

Analytics Middle Tier v2.0.0

Part of Ed-Fi
core

Core & use-
case specific
views

- A clearly defined set of core views that are always installed
- Optional install of use-case specific views, with documentation for how the Ed-Fi community can contribute use cases

AMT CONTRIBUTOR GUIDE

Overview

The Analytics Middle Tier (AMT) will truly come into its own as it grows to incorporate more community-driven use cases. Optimally, those use cases will be implemented and shared by community members. The following sections will help you get started on sharing your SQL code for the AMT.

If you have an idea, but do not have the means for developing it, we still want to hear from you: please create a Tracker ticket as described in step 1 of the [Contribution Process](#) below.

Planning Your Contribution

Please review the following documentation to learn how to make a high-quality contribution of new views or sample scripts for the AMT:

- [AMT Standards and Guidelines](#)
- [Unit Test Framework \(AMT-specific\)](#)
- [Code Contribution Guidelines \(applies to all Ed-Fi source code\)](#)

✔ The Slack [#dev-analytics-middle-tier](#) channel is a great place to discuss new ideas before committing them to Tracker.

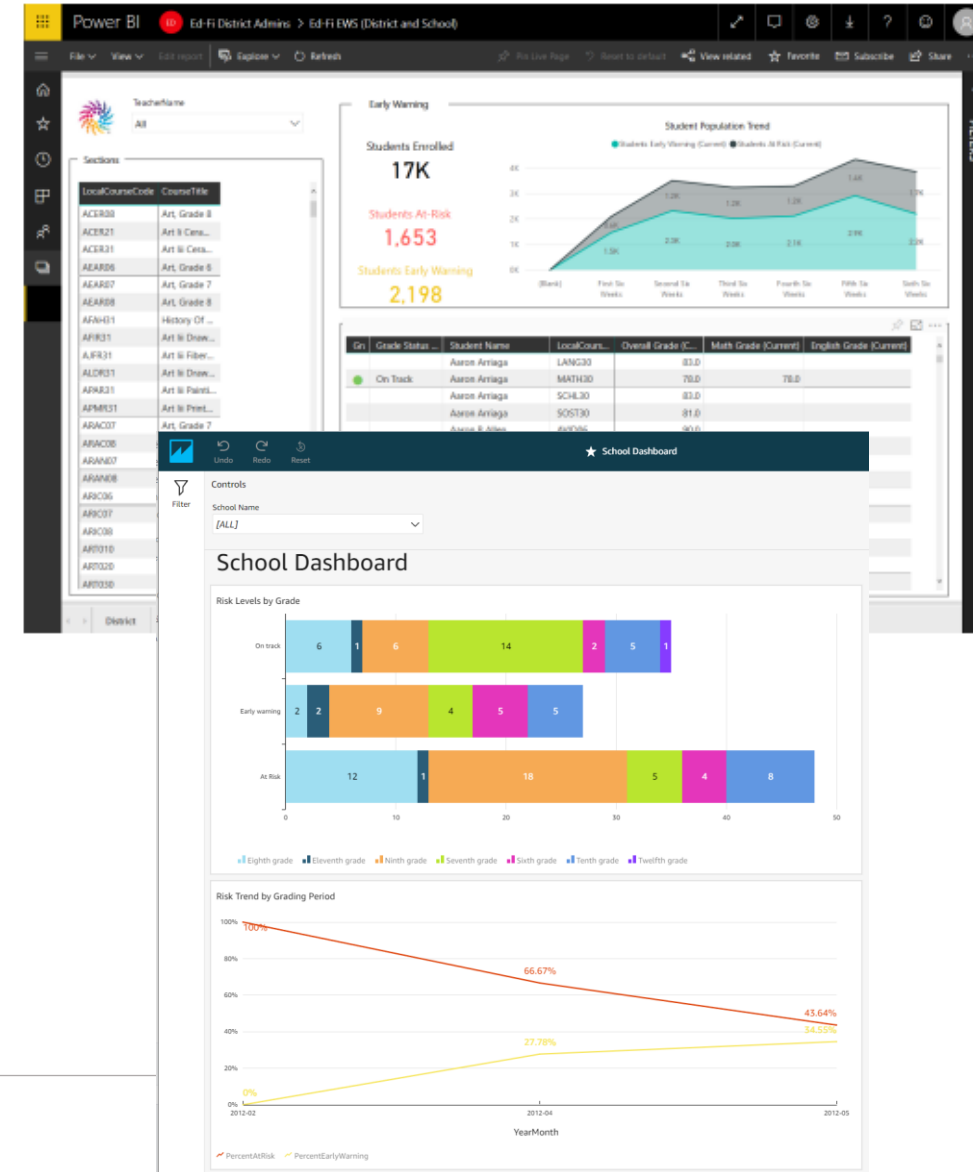
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Core & Use-
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Analytics
Starter Kits

- Starter kits in the Ed-Fi Exchange for Microsoft Power BI and AWS QuickSight – that consume AMT are on track for being updated during June



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Analytics
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Community contributions to the Ed-Fi Exchange

What is the Ed-Fi Exchange?

A technology hub for community contributions aligned to the Ed-Fi Data Standard and Implementation Suite

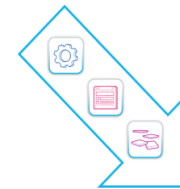
Contributions can span from code, through to guides and documentation

Contributions start with creating a ticket in Ed-Fi Tracker

States, Districts
& Vendors



States, Districts
& Vendors



Essential Questions – Effective Assessment Data Management Group (EADM)



The Effective Assessment Data Management (EADM) group has captured and refined a set of Essential Questions (EQ) which districts ask of their assessment outcomes data



[Essential Question 24 in the Middle Grades – Are My Students Improving in Math?](#)



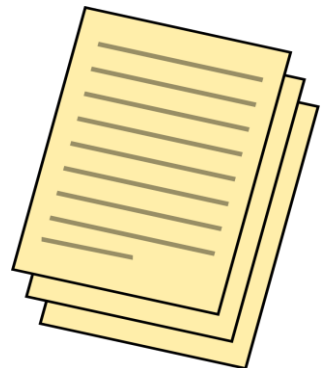
[Essential Question 21: Are students on track to become college and career ready?](#)



[Documentation for Essential Questions of Assessment Outcomes - EQ 29](#)



[Essential Question 58: Do teachers grades align to the various assessment results?](#)



LEA Analytics



[Freshman On Track PowerBI Dashboard](#)



[Chico California Unified School District
Tableau Reports](#)



SEA & TPDM Contributions



[Ed-Fi Credentials Starter](#)



[Ed-Fi Generate Plug-In \(Suite 3\)](#)



[Teacher Preparation Dashboard](#)



Deployment Support



[Ed-Fi ODS/API Cloud Deployment for AWS \(Suite 3\)](#)



[PowerShell script to install Ed-Fi binaries released on MyGet](#)

[How to set up TeamCity and Octopus Deploy for Ed-Fi ODS/API](#)



Community Spotlight: Education Nexus Oregon

Freshman On Track



Education Nexus Oregon

Founded in 2016, Education Nexus Oregon (ENO) is a non-profit created through a collaborative effort of education technology leaders in the State of Oregon.

Membership in ENO includes the largest school districts and education service districts in Oregon, representing 65% of ADM.

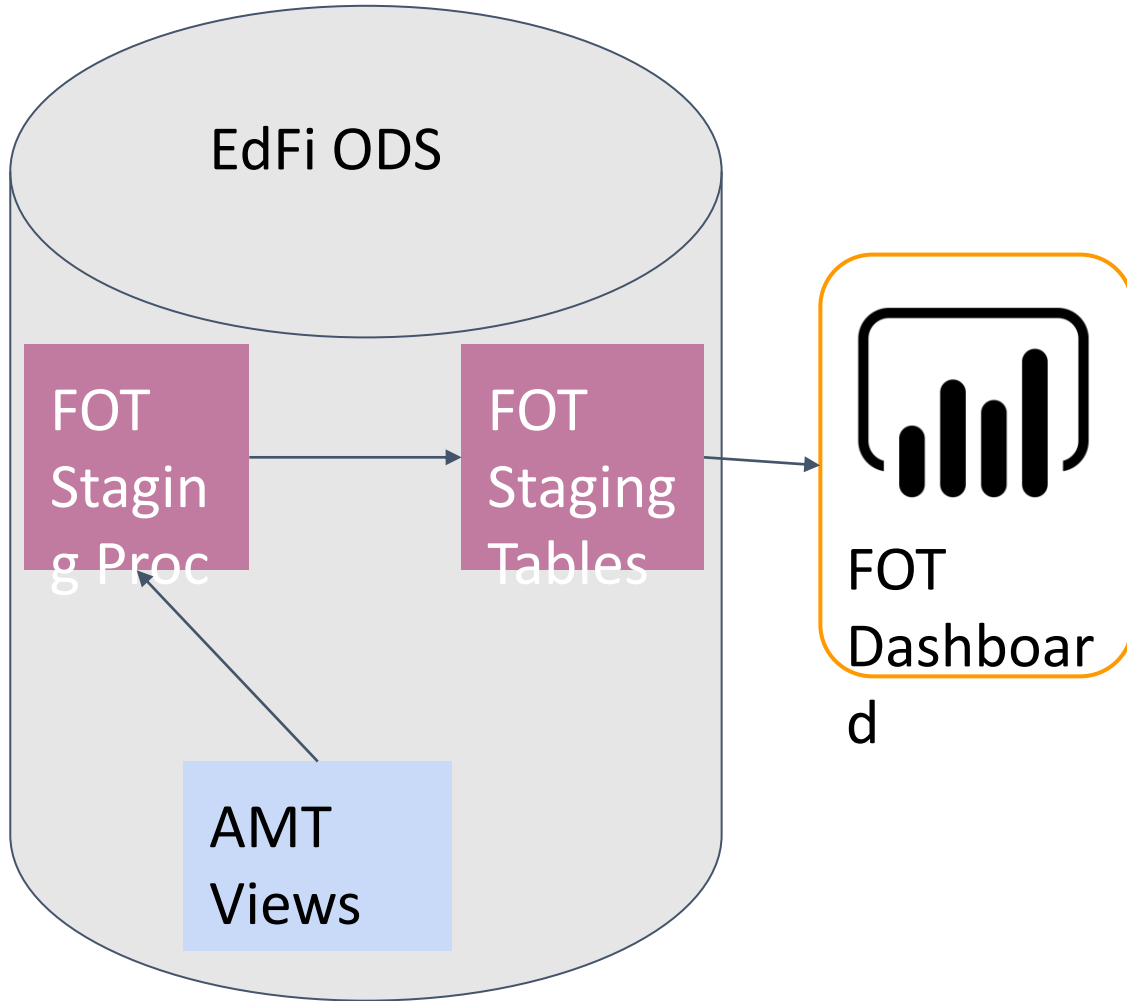


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ENO EdFi Freshman On-Track Dashboard



- Uses Analytics Middle Tier (AMT) toolkit v2.0 to denormalize, aggregate and extract the data.
- For simplicity it uses the production ODS database to stage the reporting data. To limit the impact on the production database, the procedure can be scheduled to run nightly.

ENO EdFi Freshman On-Track Dashboard

What's next (technical standpoint)

- Identify the target audience and create the user feedback loop
- Minimize performance impact on the production ODS database by either replicating it or using the Microsoft SSAS services
- Develop new metrics and visualizations to assist teachers improve students academic performance and graduation rate

Resources

FOT Methodology <https://ncs.uchicago.edu/freshman-on-track-toolkit>

AMT <https://techdocs.ed->

[fi.org/display/EDFITOOLS/Analytics+Middle+Tier](https://techdocs.ed-fi.org/display/EDFITOOLS/Analytics+Middle+Tier)

Coming up on the roadmap



JUST ANNOUNCED:

Ed-Fi is
OPEN

[#edfiopensource](#)



[Open Source Announcement](#)

[Open Source FAQ](#)

Upcoming Releases (July & August)

- Data Model
 - Standard v3.2c: Survey API and Person entity (early access)
 - TPDM Extension v0.8
- ODS / API – Suite 3 v4.0.0*
 - Data Standard v3.2c, TPDM extension v.08
 - Released under open source
 - Server-side bulk load removed, client-side bulk load enhancements
- Admin App – v2.0.0
 - Multi-instance ODS support – for LEA collaboratives

[*Blog: Open Source and New Versioning](#)

Disclaimer

- *We try hard to get this stuff right!*
- *But it doesn't always work out like we thought!*
- *If you take a mission-critical dependency*
 - *Watch the roadmap page for updates*
 - *Contact an Ed-Fi solutions architect*



Questions?

Where to find us?

<https://techdocs.ed-fi.org/>

The screenshot shows the Ed-Fi Tech Docs website dashboard. The header includes the Ed-Fi logo and navigation links for 'Ed-Fi Tech Docs' and 'Spaces'. A sidebar on the left lists 'SPACE SHORTCUTS' such as 'Request a Login', 'Ed-Fi Certification', and 'Ed-Fi Badges Program'. The main content area is titled 'ED-FI TECH DOCS' and features a 'Welcome' message. Below the welcome message is a 'Latest Releases' section with a list of updates from May and April 2020, including 'Migration Utility 1.1.0', 'Data Standard v3.2b, MetaEd v2.2', and 'ODS / API v3.4, Admin App v1.8'.

Ed-Fi Alliance on Slack

The screenshot shows a Slack channel for the Ed-Fi Alliance. The channel name is '#general' and it has 1,191 members. The channel description is 'Community-wide announcements and guidance'. The chat history shows several messages from users like Lucy Saura, Molly Stewart, and Chris Moffatt, discussing Ed-Fi license agreements and implementation questions. A Slackbot message is also visible at the bottom.

www.ed-fi.org

Sign Up For Ed-Fi News

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We send two e-newsletters per month to update our community on Ed-Fi technology, events, webinars, workgroups, and more! This is the best way to stay in-the-know on all Ed-Fi happenings so you can be an Interoperability ambassador in your district, state, school, or organization.



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