

Introducing OneRoster Support in Ed-Fi ODS/API

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Agenda

1. Why rostering fragmentation matters
2. What early adopters are learning
3. How Ed-Fi + OneRoster works (demo)
4. What needs to happen next
5. Q&A

Rostering fragmentation costs everyone time

- Agencies and districts manage multiple rostering patterns across systems
- Vendors support different feeds, APIs, and custom workflows
- Duplicated work increases support burden and slows onboarding
- Delays affect when teachers and students can access learning tools

The recurring problem

States, districts, vendors, and MSPs maintain multiple rostering patterns.

The result: duplicated effort, custom integration work, and inconsistent implementation.

The operational cost

Teams spend time on extracts, mapping, troubleshooting, identity matching, and vendor-by-vendor support.

Small districts feel this especially hard.

The educator impact

Tools are harder to launch cleanly. Class rosters may lag. Support teams troubleshoot data instead of supporting teaching and learning.

The opportunity: simplify rostering through standards-based integration

- 1EdTech and Ed-Fi are aligning existing standards to work better together
- Ed-Fi remains the authoritative data foundation
- OneRoster provides a familiar rostering interface for learning tools
- Agencies can provide a OneRoster-compliant endpoint using data they already maintain
- The first focus is operational rostering

The opportunity

Use one standards-based rostering interface over data that agencies already maintain in the Ed-Fi model.

Reduce one-off builds

Improve vendor coordination

Strengthen governance

Maximize educator time

OneRoster support brings a familiar roster endpoint to Ed-Fi data

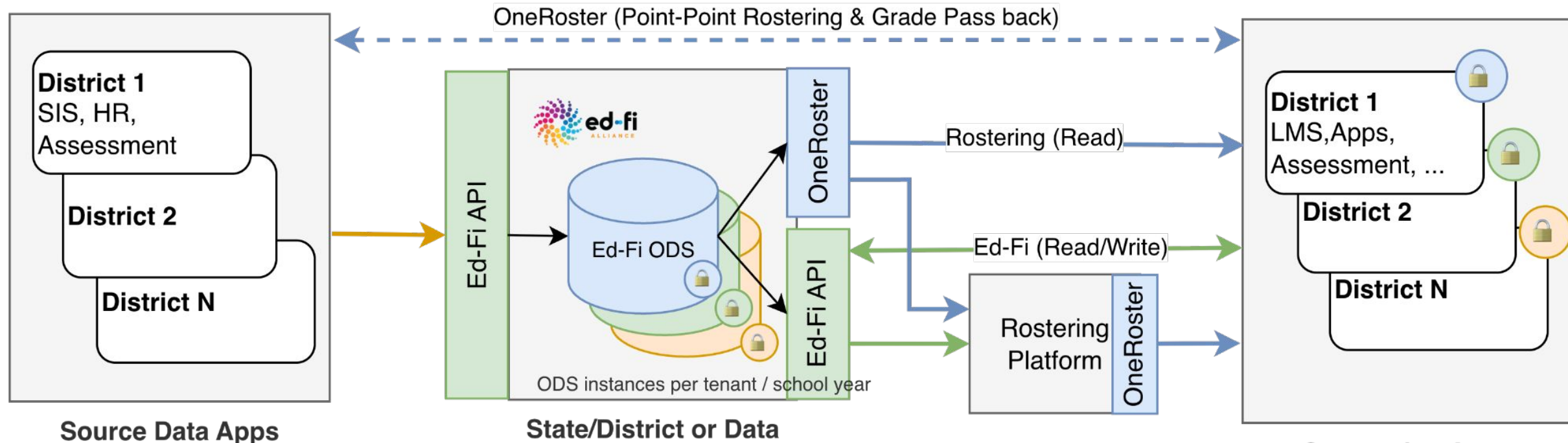
This does


- ✓ Support OneRoster 1.2 capabilities in the Ed-Fi ODS/API context
- ✓ Serve core roster data: users, classes, enrollments, schools, sections, and instructional context
- ✓ Support vendor access through a standards-based OneRoster endpoint
- ✓ Leverage Ed-Fi ODS/API as the authoritative data foundation

This does not

- Replace the Ed-Fi ODS/API or the broader Ed-Fi data model
- Create a new separate rostering system
- Create a full analytics, reporting, or assessment workflow solution

The service leverages roster data already in the Ed-Fi ODS/API



 **Access is OAuth-scoped.** Each consuming app authenticates with its own Ed-Fi key & secret and is limited to its authorized **tenant / ODS instance** and **education organizations**. Lock color = a distinct scoped tenant (see the Authentication & Authorization slides).

A standardized endpoint can reduce rework and improve readiness

- Faster onboarding for districts, vendors, and learning tools
- Less custom development and fewer one-off rostering pipelines
- More consistent roster data across systems
- Stronger governance and security review processes
- Better scalability for statewide and regional ecosystems
- More practical support for smaller districts with limited technical capacity

Early adopters are testing real deployment paths

Delaware + ClassLink: “the partner story”

- Agency-vendor collaboration
- Testing and pilot path
- Focus on operational rostering and district experience

South Carolina: “the data hub story”

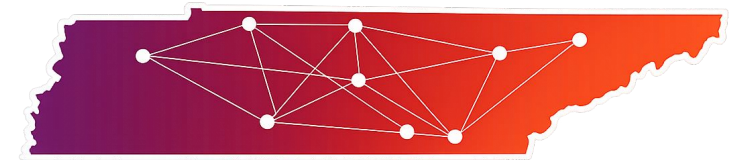
- Discovery and pilot path
- Focus on readiness, scalability, and statewide coordination



Tennessee: “the consuming vendor story”

- Testing and production planning
- Focus on statewide scale, vendor coordination, and operational use cases

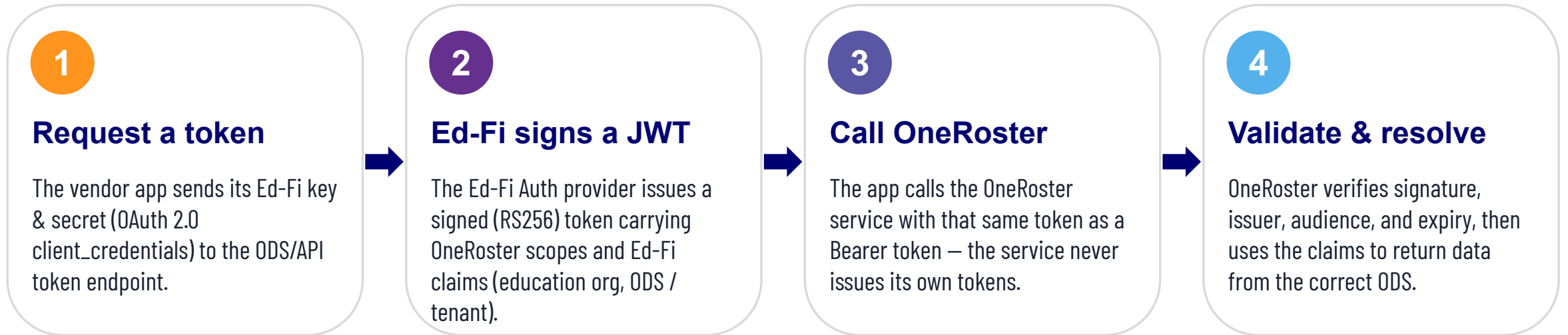
Community commitments: 9 agencies, 4.5M+ students across early adoption



Demo

Authorization: one Ed-Fi credential, issued by the Ed-Fi Auth provider

Clients use the same Ed-Fi key and secret to call both the Ed-Fi ODS/API and the OneRoster service — no separate credential to manage.



Issued by Ed-Fi, not OneRoster

Tokens come from the ODS/API's built-in OAuth endpoint (the Ed-Fi Auth provider).

Same claims-based access control

OneRoster access follows the existing Ed-Fi security model; scopes map to OneRoster resources.

Standard OneRoster 1.2 scopes

Apps request the minimum scope they need (e.g., roster-core.readonly).

Ed-Fi claims-based access control extends to OneRoster

No new authorization model. OneRoster reuses Ed-Fi's existing claim sets and education-organization scoping — the same model that already governs every Ed-Fi API client.

THE ED-FI MODEL

Application-level OAuth

Claim set = the app's role

Education-organization scope

Central security metadata

HOW IT APPLIES TO ONEROSTER

Access is granted to the vendor application (its key & secret) — not to individual end-users. The district controls who uses the app.

A claim set defines the resources and actions an app may perform, and governs which OneRoster scopes it can be issued (e.g., roster-core.readonly).

The issued JWT carries educationOrganizationId; OneRoster returns data only for the orgs the app is authorized for. No EdOrg claim → empty results.

Scopes and claim sets are configured once in the ODS/API security metadata — there is no separate OneRoster authorization store to maintain.

Resources

- [Ed-Fi OneRoster documentation](#)
- Swagger Links
 - [ODS / API Documentation v7.3.2](#)
 - [Ed-Fi OneRoster](#)

From proof of concept to repeatable practice



- The community is validating deployment patterns, technical alignment, documentation, and product readiness
- Near-term focus: operational rostering
- Future priorities may include certification, extension governance, assessment registration, results workflows, CASE, and digital credentials

Continue the conversation:

[CCSSO NCSA conference](#) Austin, TX June 23rd @ 2:30 CT
From Assessment Headaches to Interoperable Ecosystems: Flexible Approaches for States and Districts

1EdTech Technical Congress Milwaukee, WI October 19-21, 2026

[The Ed-Fi Alliance Summit](#) Nashville TN, November 9-1, 2026

[Learning Impact Conference](#) San Antonio, TX February 8–10, 2027

Q&A

Together
is the New
Standard