Let’s Get Real About Real-Time Data Interoperability with Ed-Fi

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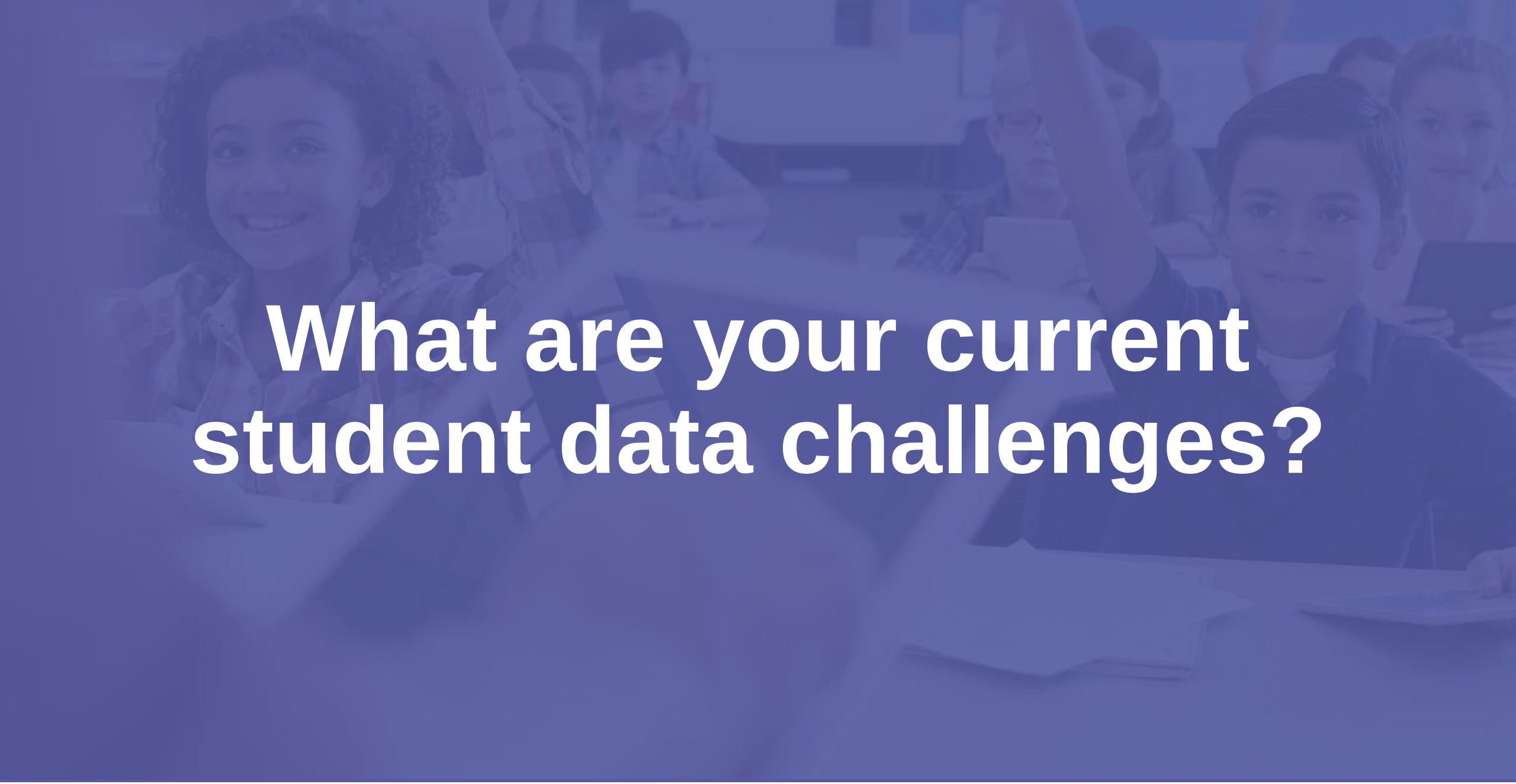
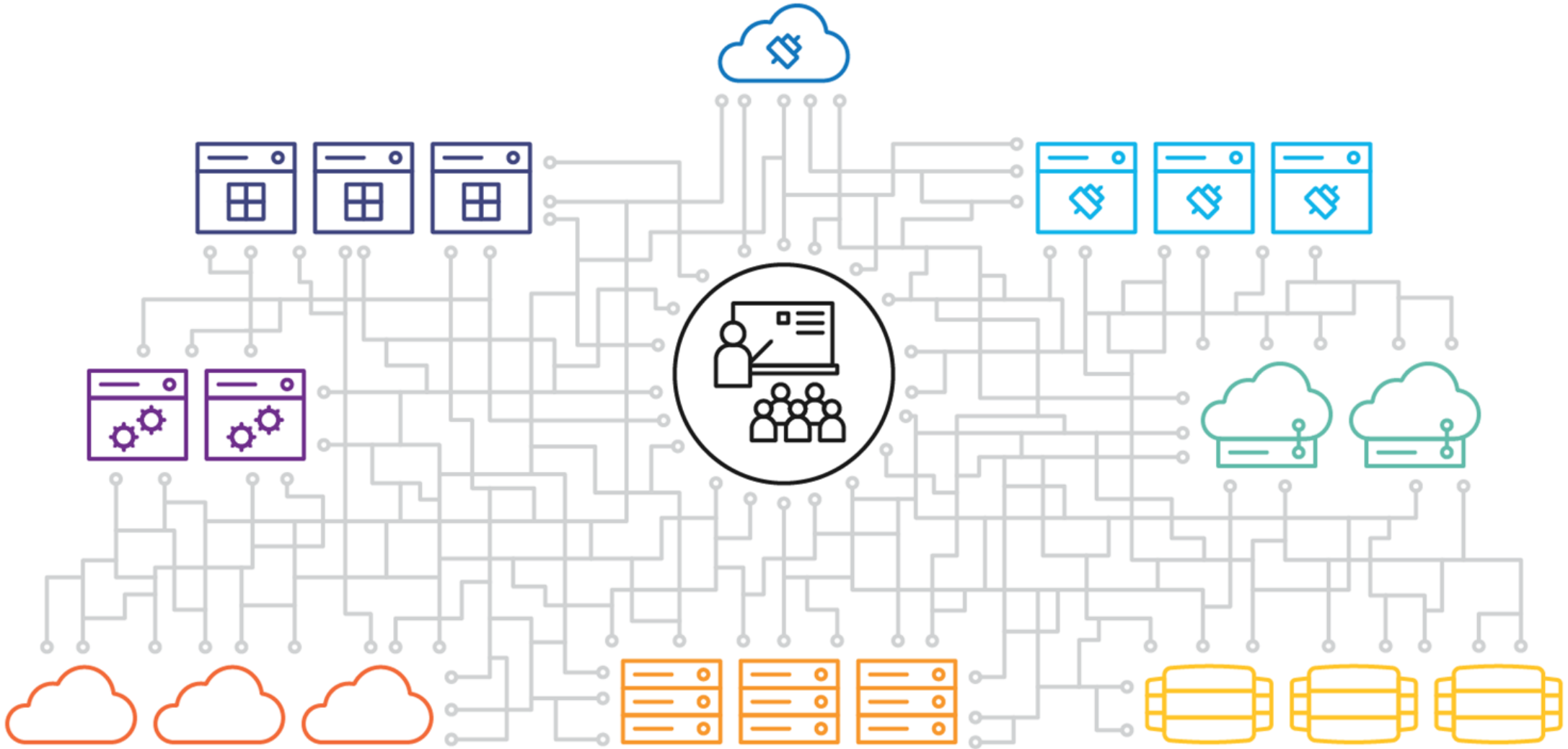


What are your current student data challenges?

Student data challenges we see:

- Inaccurate
- Outdated
- Incomplete
- Too slow to be useful in real time
- Too complex to be understood easily
- Restrictive
- Siloed



data interoperability

— NOUN [/dae-tuh ˌin(t)ərˌäp(ə)rəˈbilədē/]

The seamless, secure, and controlled exchange of data between applications.

SIS Data
API
Assessment Data
API
Finance Data
API
The Ed-Fi Operational Data Store (ODS)
API
Data Visualization

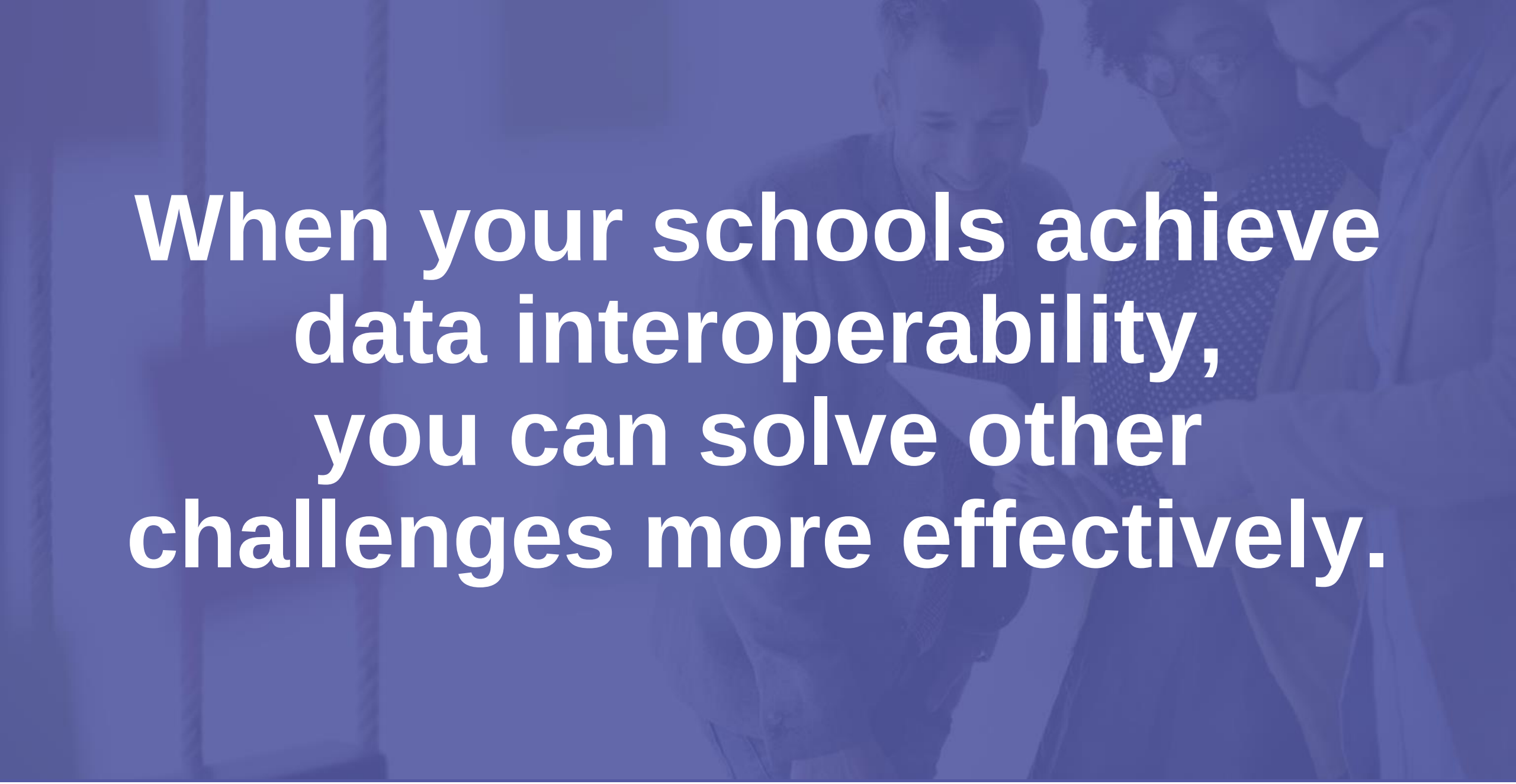
Leveraging data interoperability will …

Give you a complete view of each student

Allow data to move between systems securely and seamlessly—while protecting data privacy

Empower *you* to control your data, not a third party

Let you choose the best instructional tools available



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The Value Ed-Fi Offers

Common Language

Ed-Fi surfaces all of your school's systems, tools, and software onto a single platform.

Know Everything

Ed-Fi finally delivers the comprehensive insights teachers need to deliver personalized learning.

The Value Ed-Fi Offers

Zero Fees

The Ed-Fi data standard is offered with no fees from Ed-Fi —making data integration affordable.

Secure & Protected

At every step, and at all moments, your data is safe and in your control.

The Value Ed-Fi Offers

Nonstop Improvement

An active community of educators and technologists advance Ed-Fi every day.

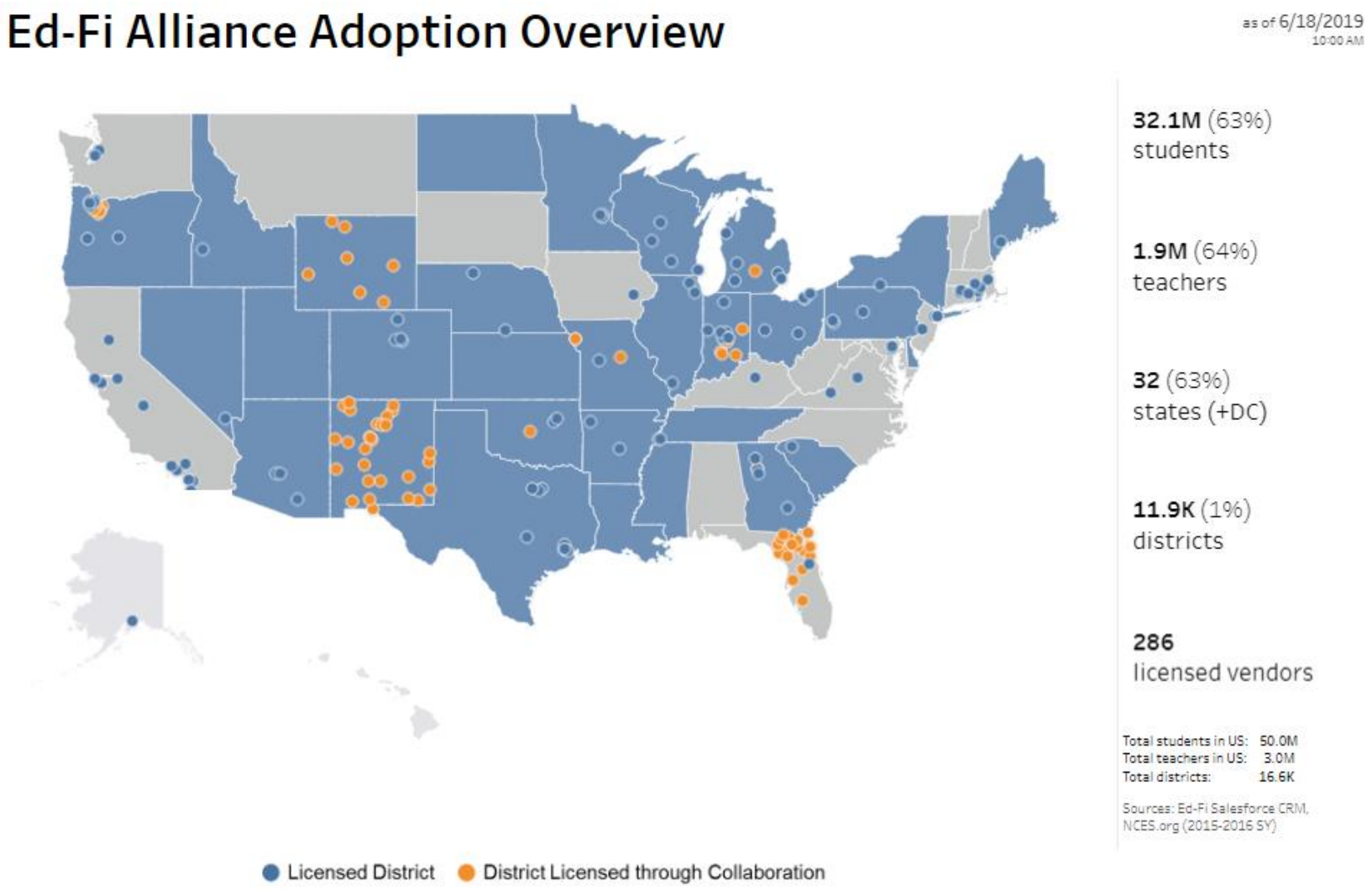
Teacher's Choice

Ed-Fi powers the finest technology on the market. Choose your favorite tools.

But what does that mean for *you*?

- Transparency into of student learning & what's impacting it
- Real/near-real time insight from multiple measures data
- Understand individual and aggregated learning outcomes/achievement
- Flexible, scalable, and responsive data architecture
- Future-proof and sustainable data architecture
- Select the best tools on the market

The Ed-Fi Nationwide Community



Data Visualization

“Ed-Fi allows us to get all of our data in one place so we can get a full picture.”

-Breanna Porter, Developer
Achievement First

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Benefits of Data Visualization

See student data in real time

All data in one place—not in separate systems, apps and spreadsheets

More complete view of the student

Flag and respond to trends earlier

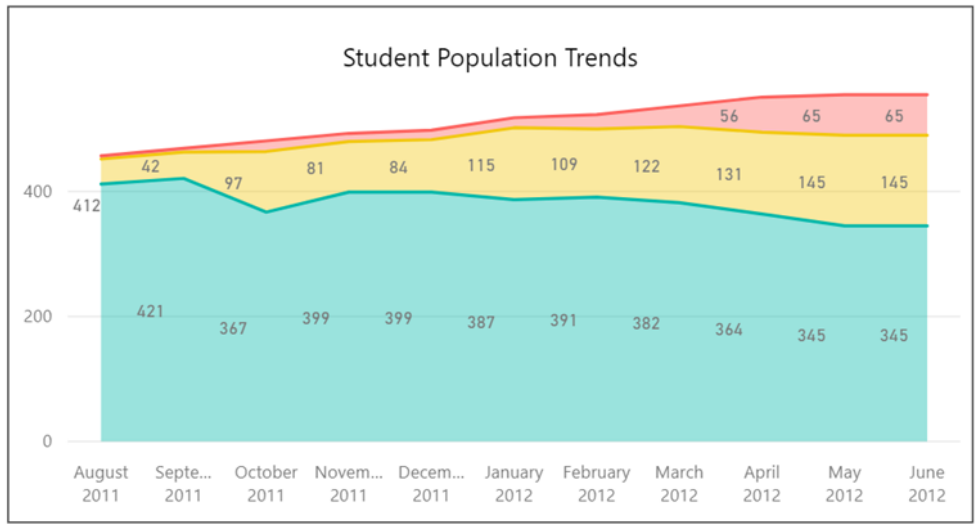
The Power of Data: Patterns, Insight, Action

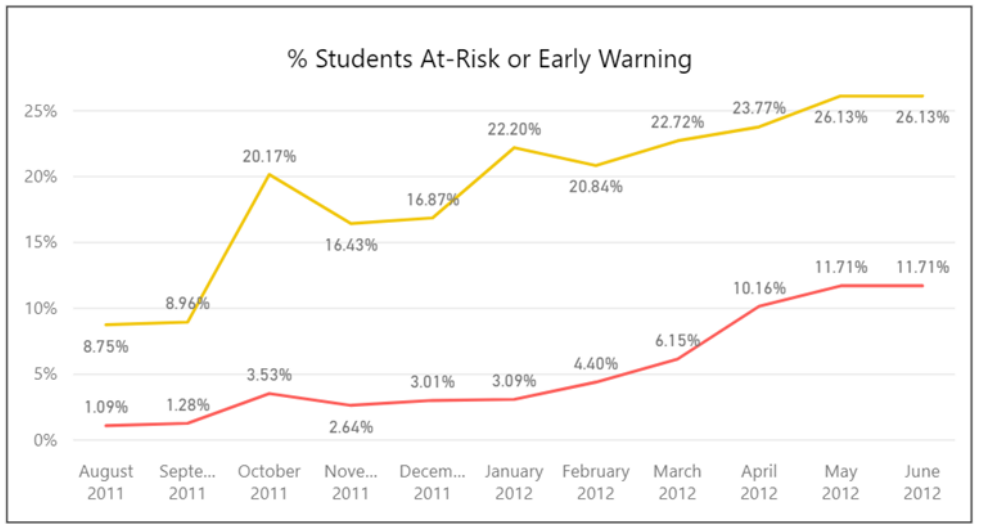
School Name

Anderson Middle School

Early Warning Metrics

On Track		Early Warning		At-Risk	
344	62.16%	146	26.13%	65	11.71%





Year-To-Date Metrics

Enrollment	Average Overall Grade
555	84.39
	Average English Grade 83.68
Average Attendance Rate 89.12%	Average Math Grade 80.24

Overall Indicator ...	Student Name	Grade Level	Attendance ...	Overall Grade ...	Math Grade ...	English Grade ...
At-Risk	Alicia Mcdaniels	Sixth grade	81.61 %	71.00	61.50	
At-Risk	Altorriyo Lopez	Seventh grade	66.39 %	89.83	76.00	
At-Risk	Amanda Xiong	Eighth grade	28.57 %	81.78	76.00	85.00
At-Risk	Amber Mcdaniels	Seventh grade	51.85 %	72.50	70.00	
At-Risk	Armando Ridge	Eighth grade	81.14 %	70.17	50.00	
At-Risk	Arvin Norton	Sixth grade	78.86 %	72.00	64.00	
At-Risk	Ashlie Foster	Seventh grade	36.36 %	74.43	73.00	
At-Risk	Brandy Keefe	Eighth grade	76.92 %	68.73	75.00	83.00
At-Risk	Brett Garay	Sixth grade	84.71 %	81.50	64.00	
At-Risk	Charrod Dillard	Eighth grade	57.75 %	69.13	63.00	52.00

Our Community

“Instead of us having to work with a for-profit company to configure something, [with Ed-Fi] all of the tools are sitting in a community that we can leverage for our work with our schools.”

-Noah Bookman, Executive Director
CORE Data Collaborative (California)

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FAMIS 2019

ED-FI IMPLEMENTATION

BEN GIRARD, CIO, CTO

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What we do?

- Develop writing & reading assessments
- Score & report based on learning standards
- > 1 Million assessments / yr. (Online & Paper)
- Design teacher and student resources
- Deliver analytics to focus improvement

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Ed-Fi Certification Benefits

Districts

- Near real-time assessment outcomes
- Ed-Fi to Ed-Fi sync | No conversion required

Write Score

- Multi-Year Reporting
- Nationwide Integration
- Leverage Ed-Fi as our main data source
- Adopt Ed-Fi as PaaS/SaaS (via EdGraph)

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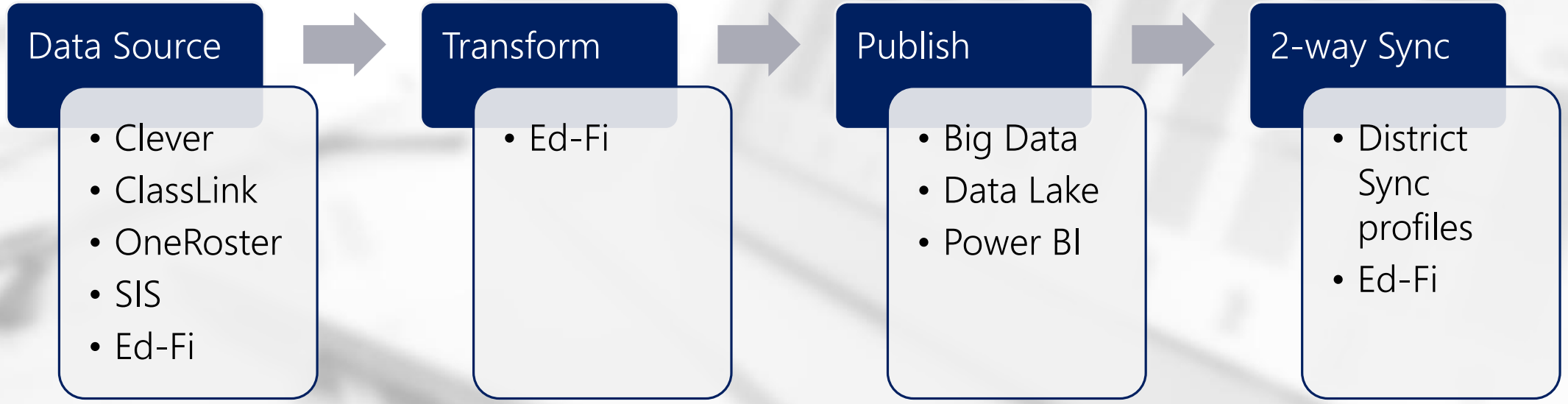
Data Flow



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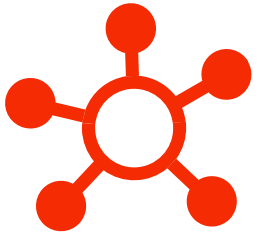
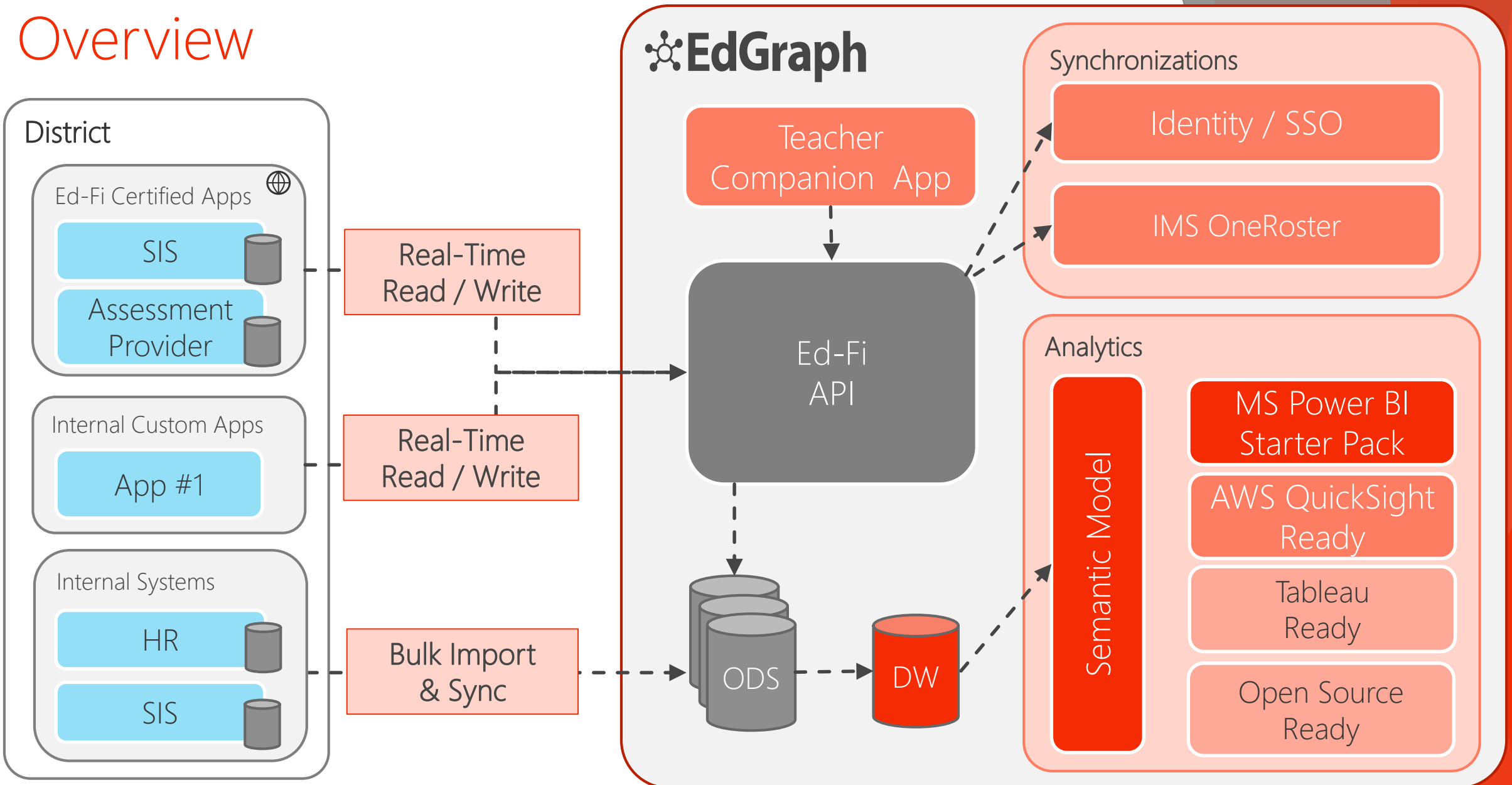
Education empowered by...



EdGraph™

Jean-Francois Guertin, CTO

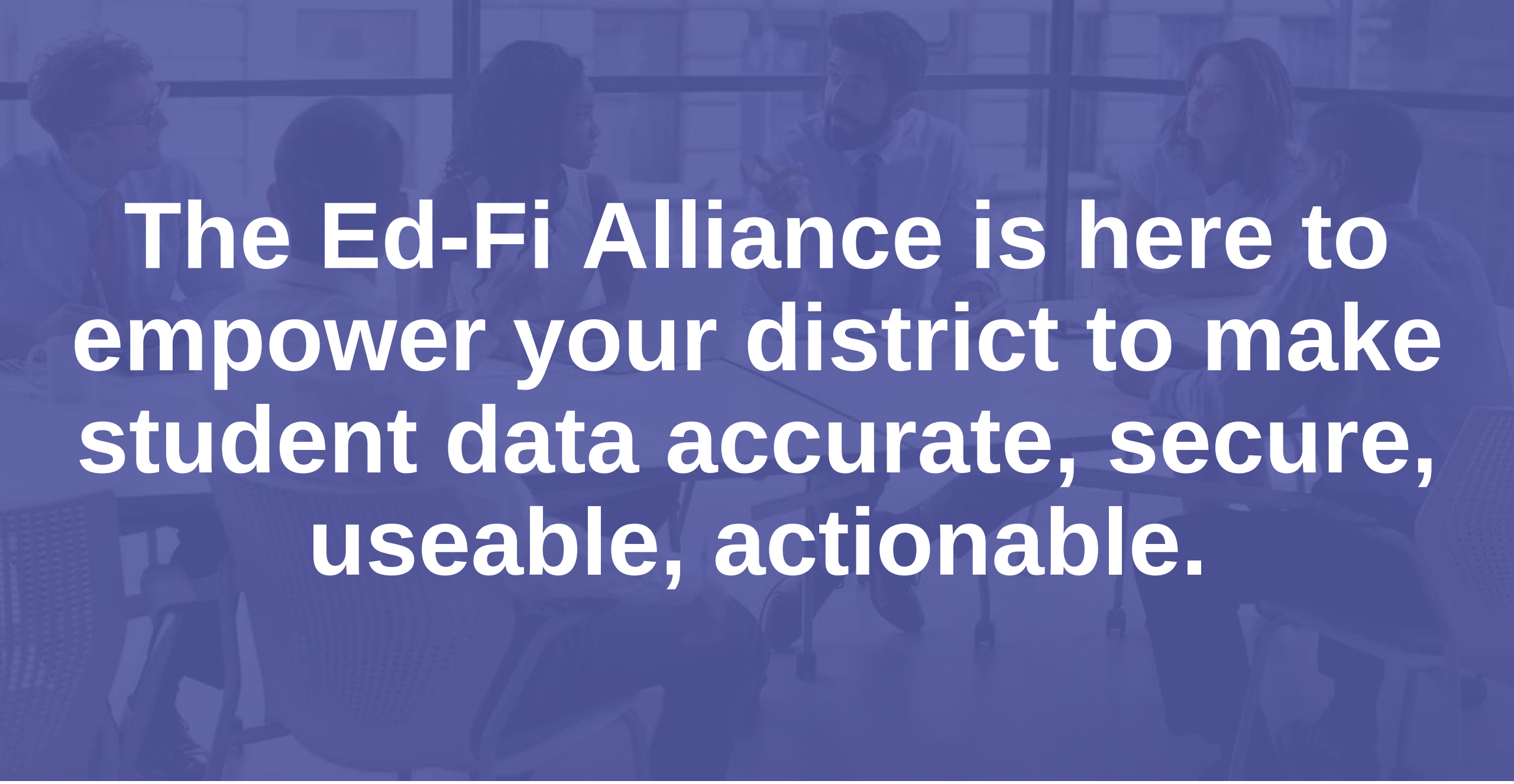
Overview



EdGraph

Next Steps Toward Data Interoperability

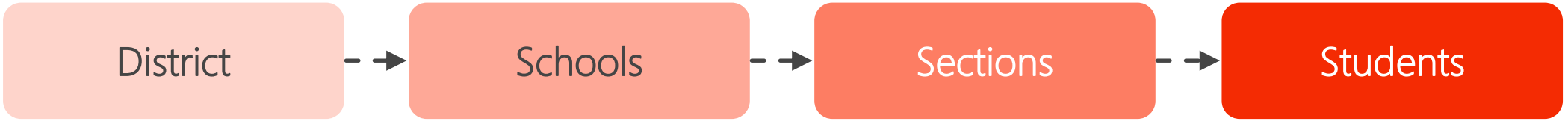
- Think about your use case; your initiatives that need data
- Learn more about Ed-Fi at www.ed-fi.org & the Ed-Fi Academy
- Sign a license and join the Community
- Contact your vendors to support Ed-Fi & data interoperability


The Ed-Fi Alliance is here to empower your district to make student data accurate, secure, useable, actionable.

ed-fi®
ALLIANCE

Demo

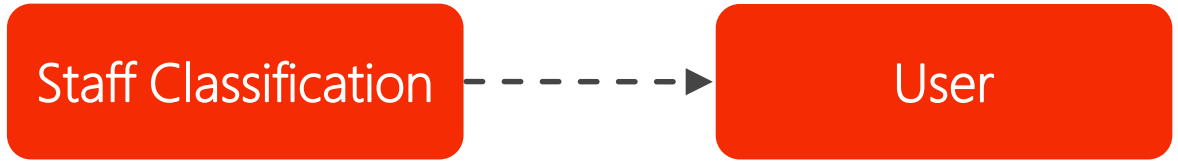
Security – Row Level Access



UserKey	UserClass	StudentPermission	SectionPermission	SchoolPermission
1	Section	ALL	SEC1	SCH1
1	Section	ALL	SEC2	SCH1
2	Section	ALL	SEC3	SCH2
3	School	ALL	ALL	SCH1
4	School	ALL	ALL	SCH2
5	District	ALL	ALL	ALL

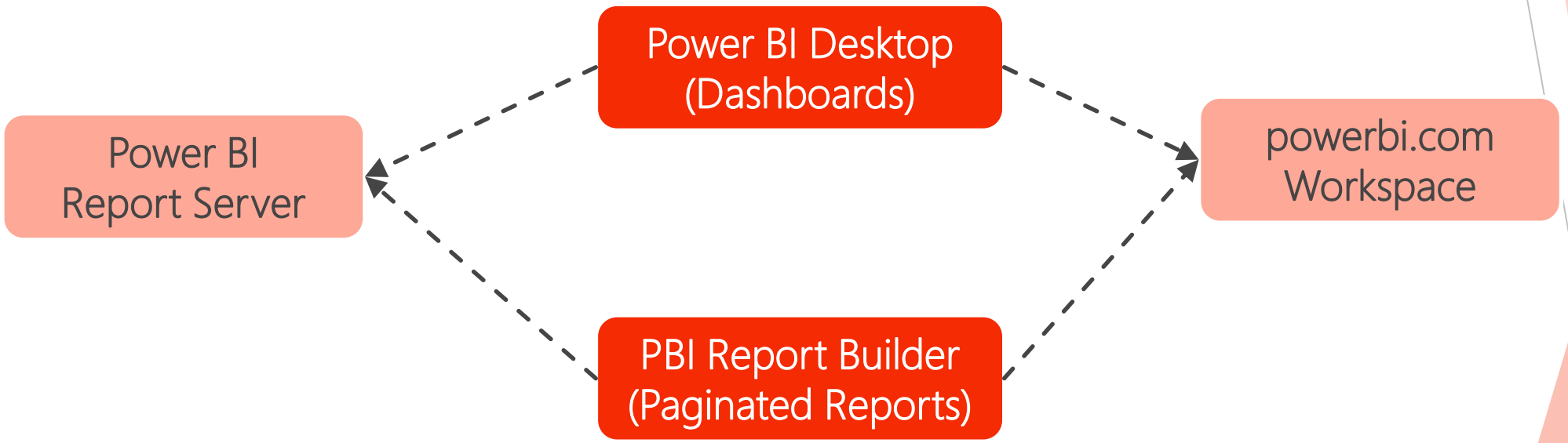
Security

Dynamic Authorization Scope (Who can I see?)



Dashboard / Report Access (What can I see?)

Report Authoring



EdGraph

Hosting

Azure Private Cloud

- EdGraph solution hosted in District's Azure private cloud

SaaS

- EdGraph solution hosted in EdWire's Azure private cloud

Hybrid

- EdGraph UI/API solution hosted in EdWire's Azure private cloud
- EdGraph Databases & BI hosted in District's Azure private cloud

Private On-Premise

- EdGraph solution hosted in District's on-premise datacenter

AWS Private Cloud (Coming soon)

EdGraph