CEDS JSON On The Wire:
SIF Unity and EDFacts

Access 4 Learning Community — SIF Specification

Common Education Data Standards

CEDS and SIF Unity

For over twelve years the A4L Community has developed the SIF Specification in parallel with the Common Education Data Standard (CEDS). Close alignment between these two data standards has always been a natural result. Today the A4L Community announces an even closer alignment with real-world impact for state agencies.

CEDS On The Wire

"SIF Unity's 100% alignment with Generate's K12 requirements makes ED-Facts reporting much easier for our office. The data is always ready to hand thanks to our automated reporting infrastructure and the Unity data model."

John Paul, WY Department of Education

CEDS EDFacts JSON over REST: 100%

Find out more!

The newest release of the SIF Specification Data Model (North America) 4.3 - also known as Unity - has an element-to-element mapping to CEDS (v9 & v10) that covers every single one of the 133 elements needed to populate the EDFacts Generate tool. The combination of SIF Unity's CEDS mapping and JSON payloads with the powerful SIF infrastructure make "CEDS JSON solutions over REST" a reality.

THE High Performance Infrastructure

Performance is critical for state and federal reporting. In third party load testing of the REST-based SIF Infrastructure, over 200 million records were sent in an hour (286 times higher throughput than older infrastructure types).

Find out more:
Data Management Performance Testing:
   https://bit.ly/A4LEdDataTesting
Infrastructure Specification:
   https://bit.ly/A4LSIFSpecInfra

104,219

59,895

295

5

295

364

RECORDS PER SECOND

100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
5,000
4,000
3,000
2,000
1,000
500
400
300
200
100
50
40
30
20
10

SIF 2:
Mock SIS   Digester

Hybrid:
Mock SIS   Digester

SIF 3:
Mock SIS   Digester