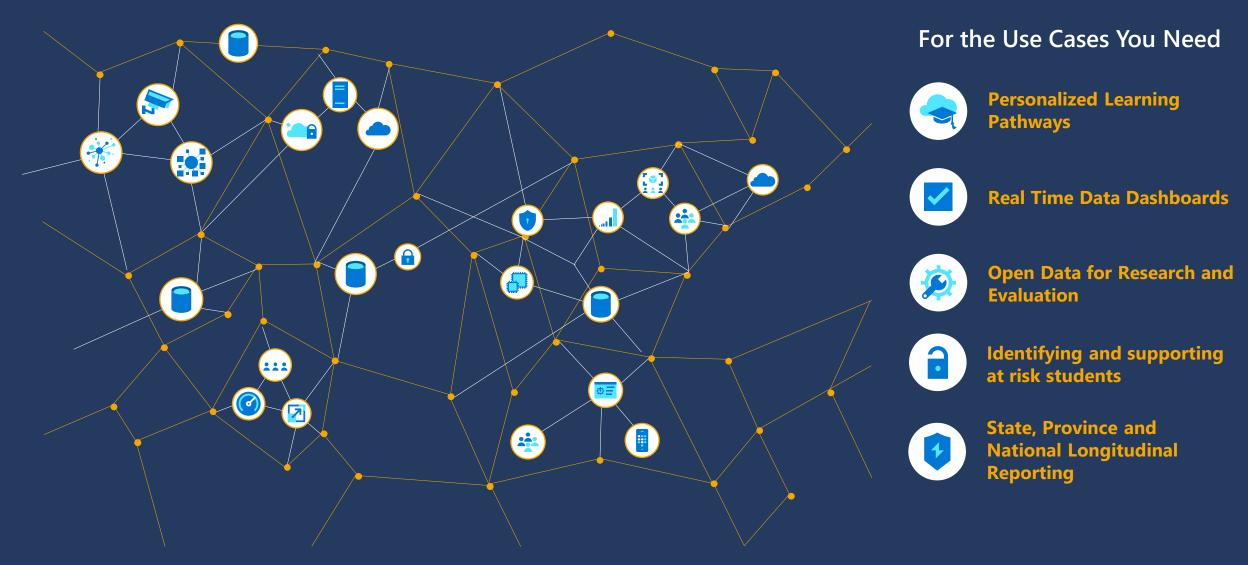


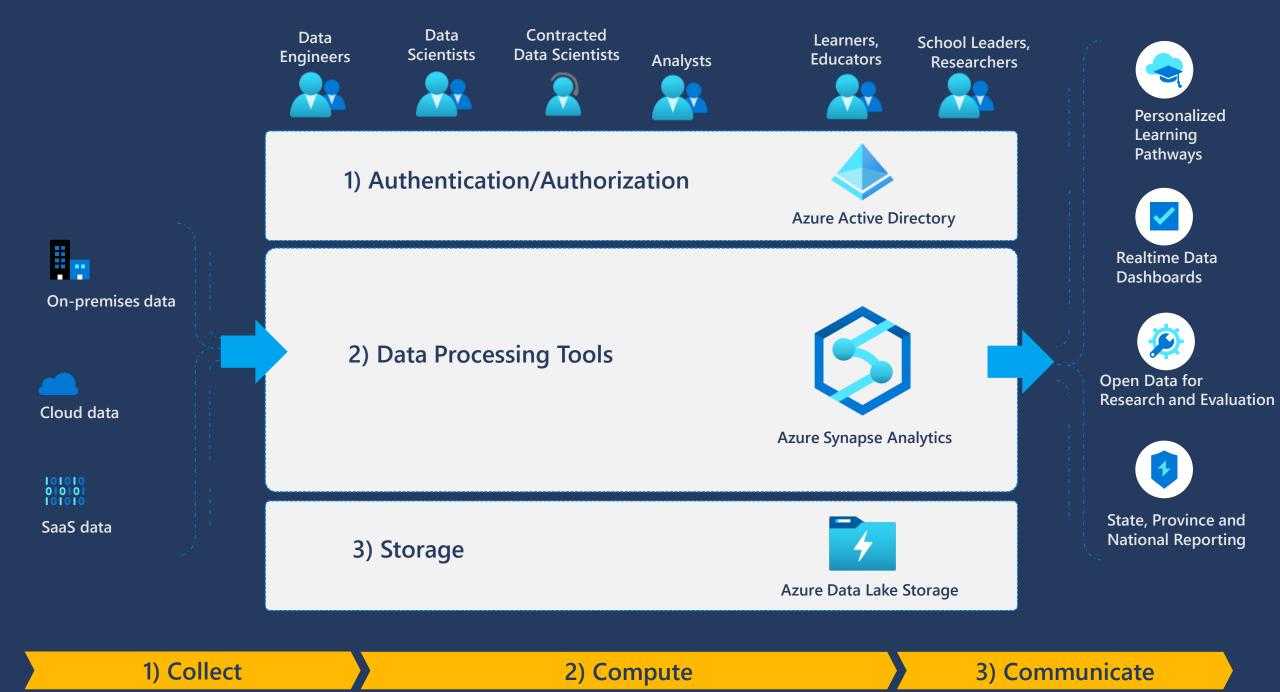


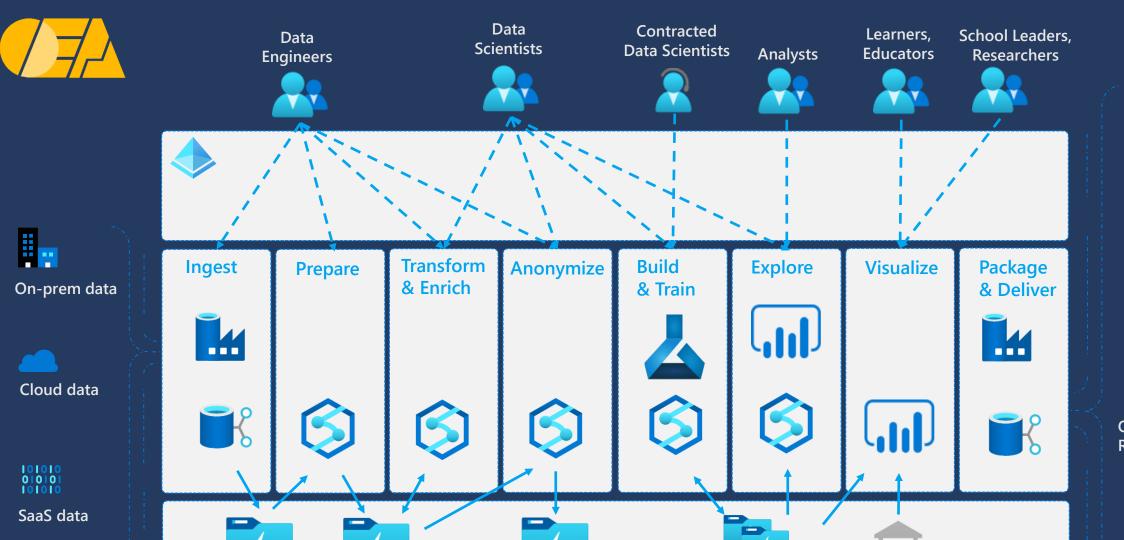
Open Education Analytics

a modern education data estate

Dispersed data prevents strategic use of data and Al







Personalized Learning Pathways



Realtime Data Dashboards



Open Data for Research and Eval



State, Province and National Reporting

stage 1

stage 2

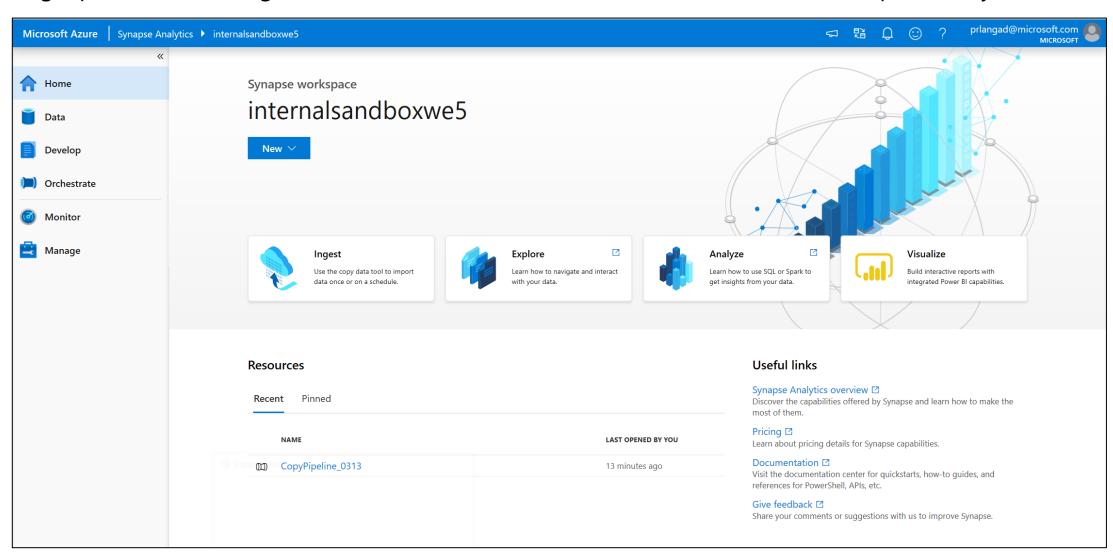
stage 3

data subsets

dedicated SQL pool

Studio

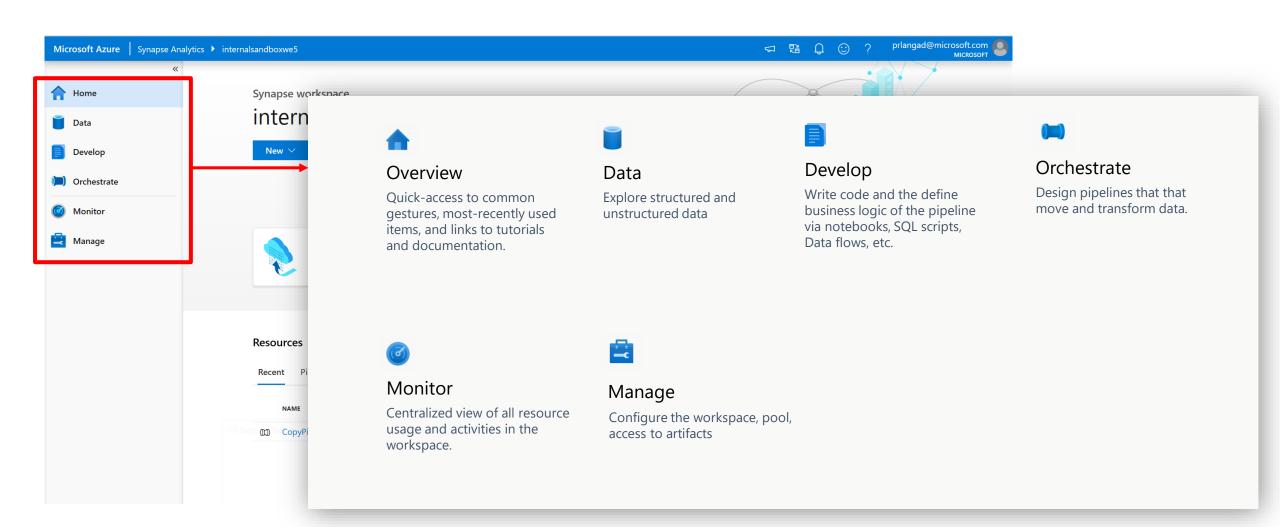
A single place for Data Engineers, Data Scientists, and IT Pros to collaborate on enterprise analytics

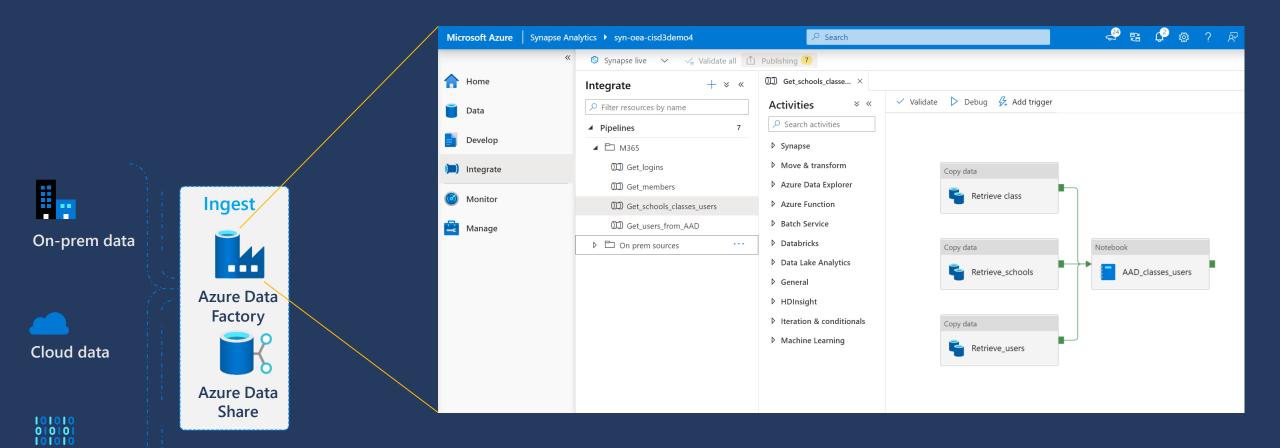


Synapse Studio

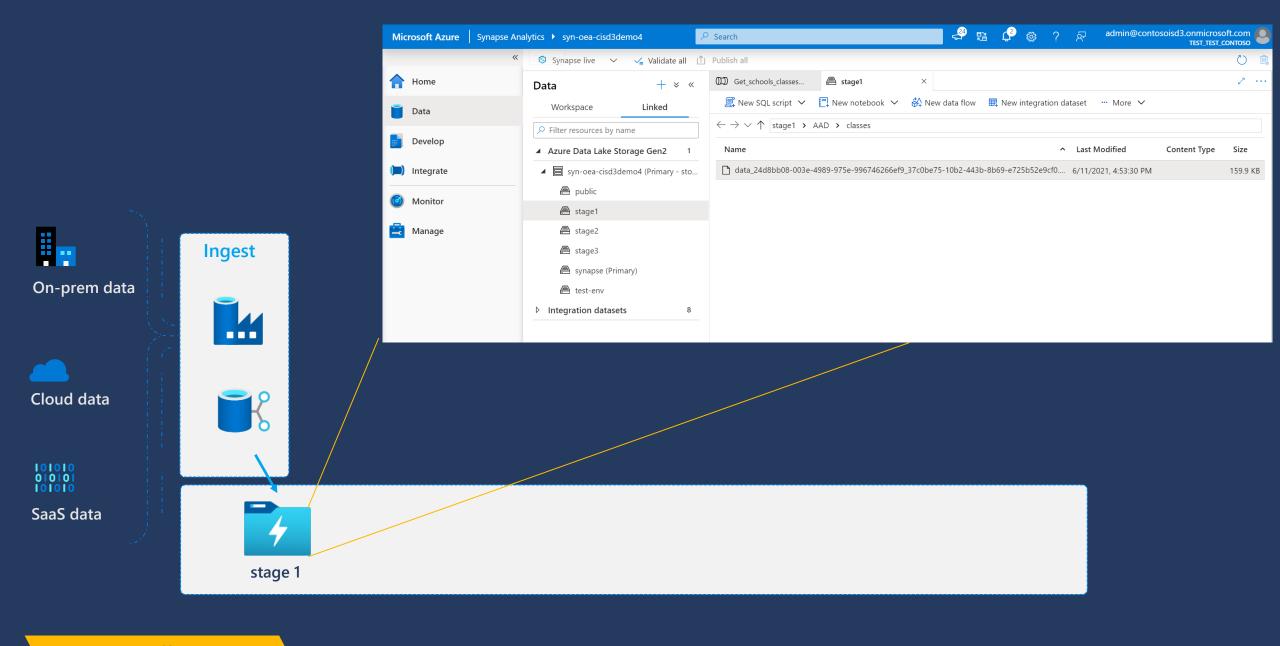
Synapse Studio divided into **Activity hubs**.

These organize the tasks needed for building analytics solution.





SaaS data



1) Collect

OEA Focus

standards

- data standards (at rest, in transit)
- process standards (ethical use, dev cycle, testing)

reusable assets/ best practices

- ethical use
- ingestion pipelines, transformation scripts
- dev process (dev cycle, testing strategy, releases)
- training

rapid iteration/ emergent design

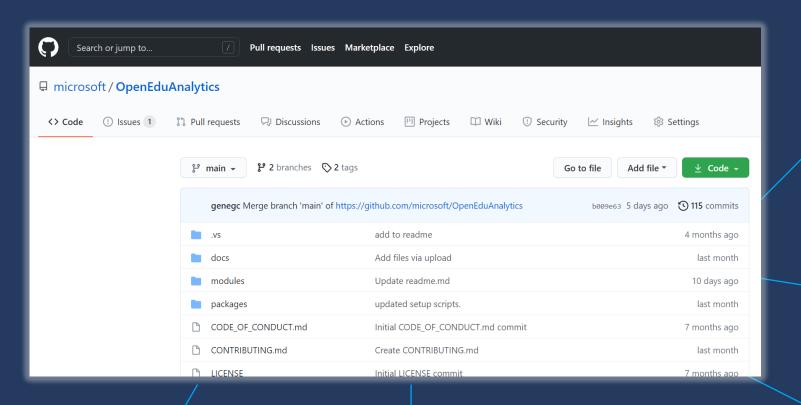
- sandbox env, test data sets
- evolve schema
- emphasis on build-learn-improve

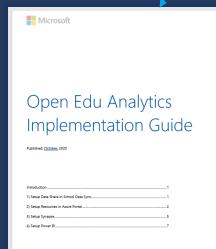
modern tech

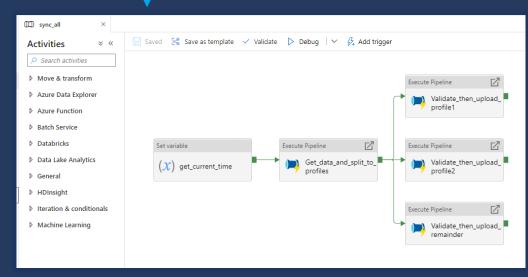
- cloud-based (low cost, infinitely scalable)
- easy setup (setup scripts, infrastructure as code)
- easy maintenance (auto-scale, monitoring)
- easy to extend (extensible arch, add-on modules)

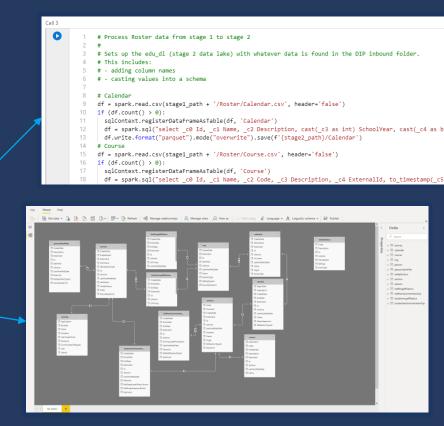
ecosystem / global community

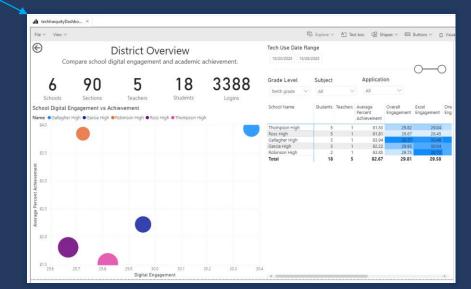
- customers, SI's, ISV's, standards bodies, policymakers
- focus on sharing, collaboration



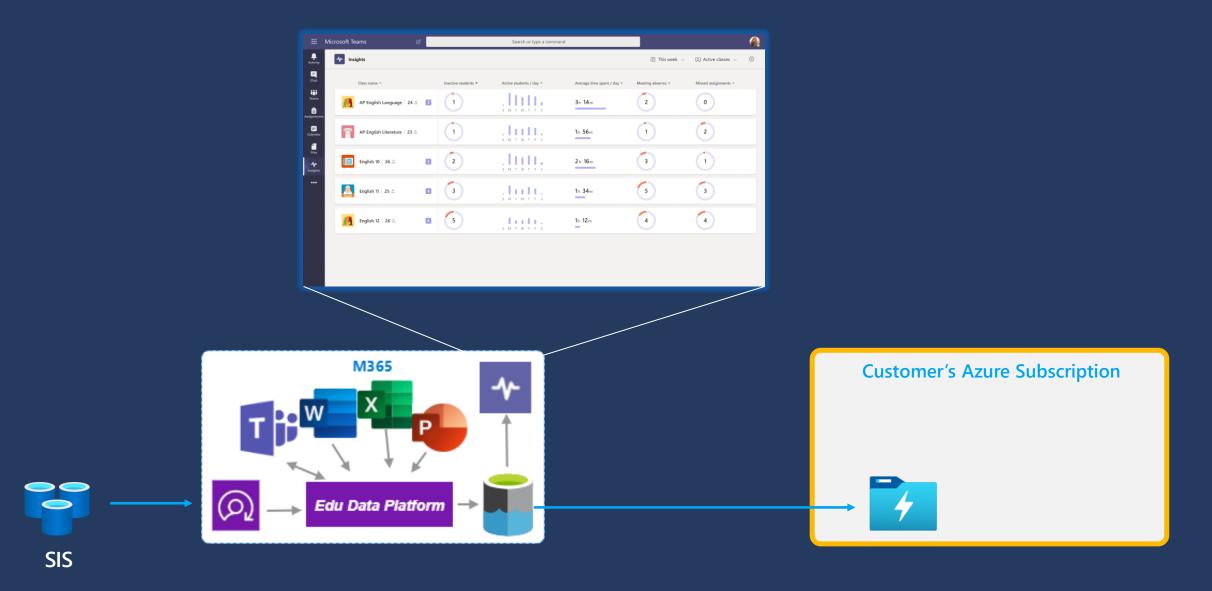


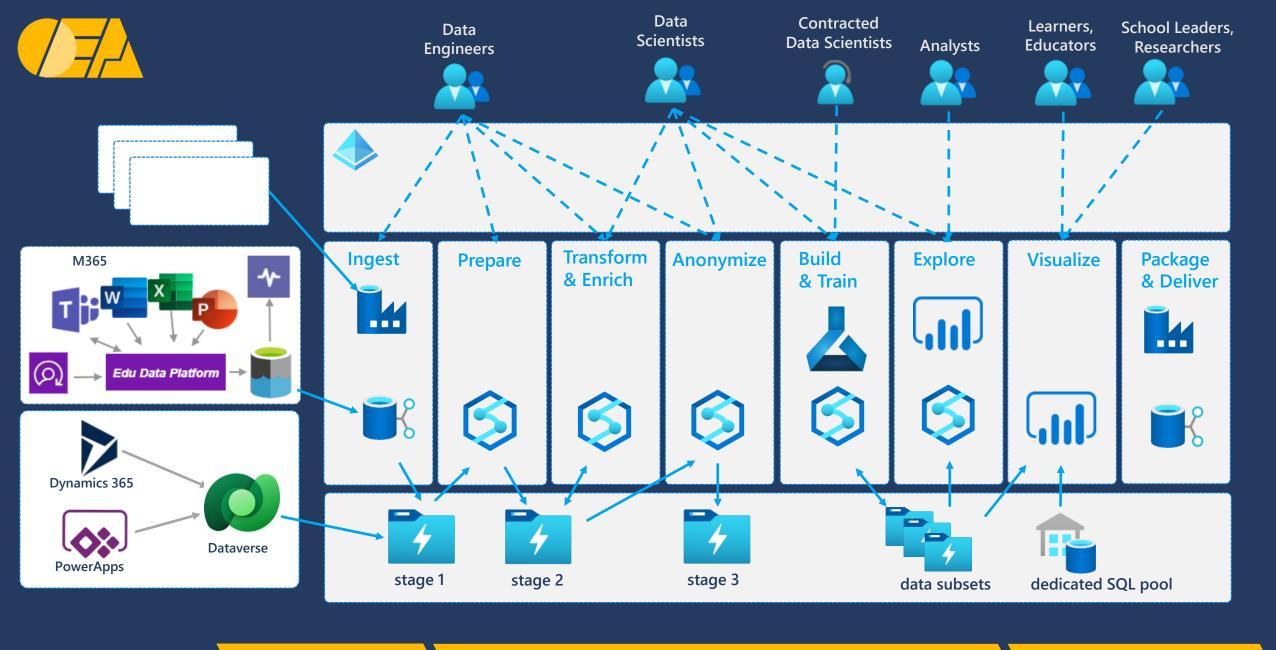






Education Analytics and Insights





1) Collect

2) Compute

3) Communicate

Multi-tenant architecture

