

- Pre-existing source systems would need to be connected to this report creation process.
- New data system would have to ensure total automation where possible, to leverage as much time for analysis and insight-lead decision making.

The education department within Devon County Council was required to submit an Annex A report annually, and is analysed as part of the wider educational data programme.

*Given the **significance** of this report, much in the way of resources were given over to providing this report every year, with report builders and data analysts alike working to complete it. This produced a **time sink**, and Devon County Council sought a solution to **reduce** the man-hours needed. A solution therefore had to be **reusable** and provide the **exacting accuracy** required of such a report.*

*Given the **sensitive & safeguarding** nature of educational and child related data, security would have to be guaranteed and built on existing security parameters.*

SOLUTION

*To deliver a result that would **free time** for education department members, TPX created an **automated system** that utilised **synapse pipelines** and the **Azure Data Factory** to build this report automatically.*

*To ensure accuracy and reliability of this system, TPX built a new **data model** in Power BI, one that provided the **efficient and low-cost system** that would ensure dependency and **efficient output** of this system.*

*On the user side, TPX collaborated with Education Department workers creating reports with the **exact specifications** and visuals required. This satisfied both*

*the Education Department data teams, and the guidelines put forth by **Central Government**. This report structure therefore became the **standardised output** for Annex A, delivering **efficiency** and **reliability** to all interested parties.*

IMPACT

The bespoke automated data system provided the **streamlined reporting** methods required for Annex A, rendering a system that could be relied upon. Intensive hours that were previously required for the creation of this report were **significantly reduced**, producing a concrete **positive result** for its users and designers. Users who previously had to work to produce Annex A were now able to mobilise on new topics and areas, a feature that compounds annually for each year this report was created automatically. .

Additionally, **closer granularity** was enabled in the new system, allowing users to perform Unique ID Tracking, a priority as Annex A builds on data from a multitude of counties across the UK. This detail and **multi system** access provided researchers and analysts with the precise data they needed, empowering smarter decision making and the more timely creation of all reporting requirements. .

Target Personas

Educational Departments in County Councils / Local Authorities

Council Leaders