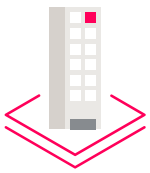


CENTRAL GOVERNMENT
SOLUTIONS_

MIBI Engineering

CASE STUDY

Methods
Analytics_

OUR CLIENT

The Driver and Vehicle Licensing Agency (DVLA) maintains the registration and licensing of drivers in Great Britain.

They look after more than 49 million driver records and more than 40 million vehicle records. They collect around £7bn a year in vehicle excise duty (VED).

Their goal is to get the right drivers and vehicles on the road, as simply and safely as possible.

Driver & Vehicle Licensing Agency

THE CHALLENGE WE FACED

The DVLA are migrating all of their existing systems to a modern cloud-based platform. This includes mainframes, bespoke applications and other technology.

As part of this modernisation, a real time strategic data platform was required. The new platform needed to provide timely access to data and ensure consistency of reporting, removing redundant and siloed data sources.

Supported by Methods BDT, we collaborated with the DVLA's existing MIBI team to develop functionality through a series of Proof of Concepts (PoCs), enabling the DVLA to build a Strategic MIBI Data Platform.

We also needed to identify a pipeline of development work to feed data into an Azure based MIBI solution. The pipeline was to be defined by high-level epics, business/technology outcomes, and detailed user stories/requirements.

EVENT HUB
to ingest data

DATA FACTORY
to store data

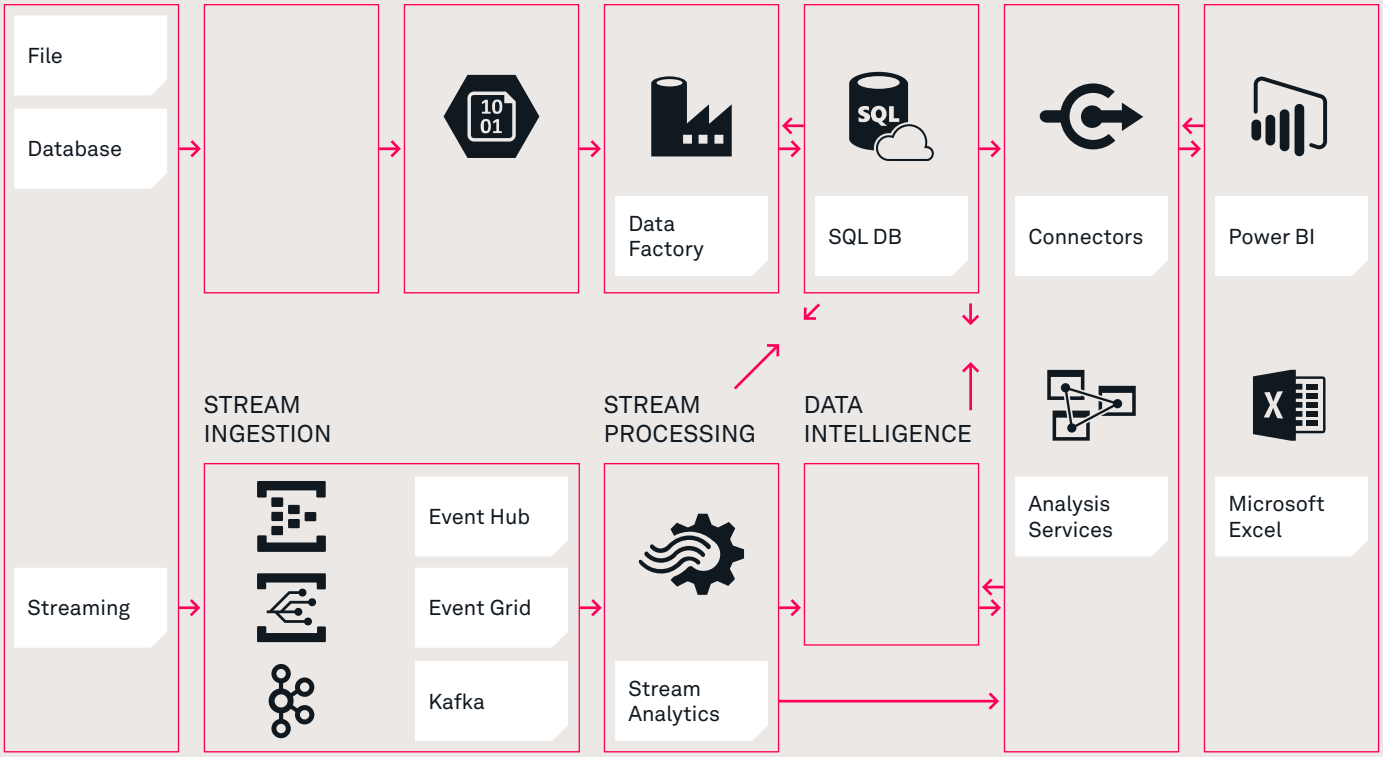
ANALYSIS SERVICES
for ultimate display

THE PATH TO PROGRESS

The aim: design and engineer a cloud-hosted platform on Azure and establish a strategic MIBI data platform.

We built this in the Azure/Cortana Analytics Suite, using Microsoft's supported variants of open source cloud technologies.

This diagram showcases their target state.



THE DIFFERENCE WE MADE

The platform went live in December 2019.

Its first source system surfaced data from tachometers on passenger carrying and goods vehicles.

This approach represented a significant shift: from taking snapshots at set intervals to real-time event-based processing. This enabled faster visibility of the data and a higher degree of reporting accuracy at any given time.

LOOKING FORWARD

Further systems are being evaluated for on-boarding in the future as they come online.

We're Methods Analytics – a specialist data services company. We use data to help public and private sector clients solve complex problems and do good things.

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