



Building an Azure Data Analytics Platform

Paul Andrew | Technical Architect in Azure CoE



Mr Paul Andrew
Consulting Ltd



@MrPaulAndrew



In/MrPaulAndrew



MrPaulAndrew.com



c/MrPaulAndrew

Our Solution Design



Data Sources

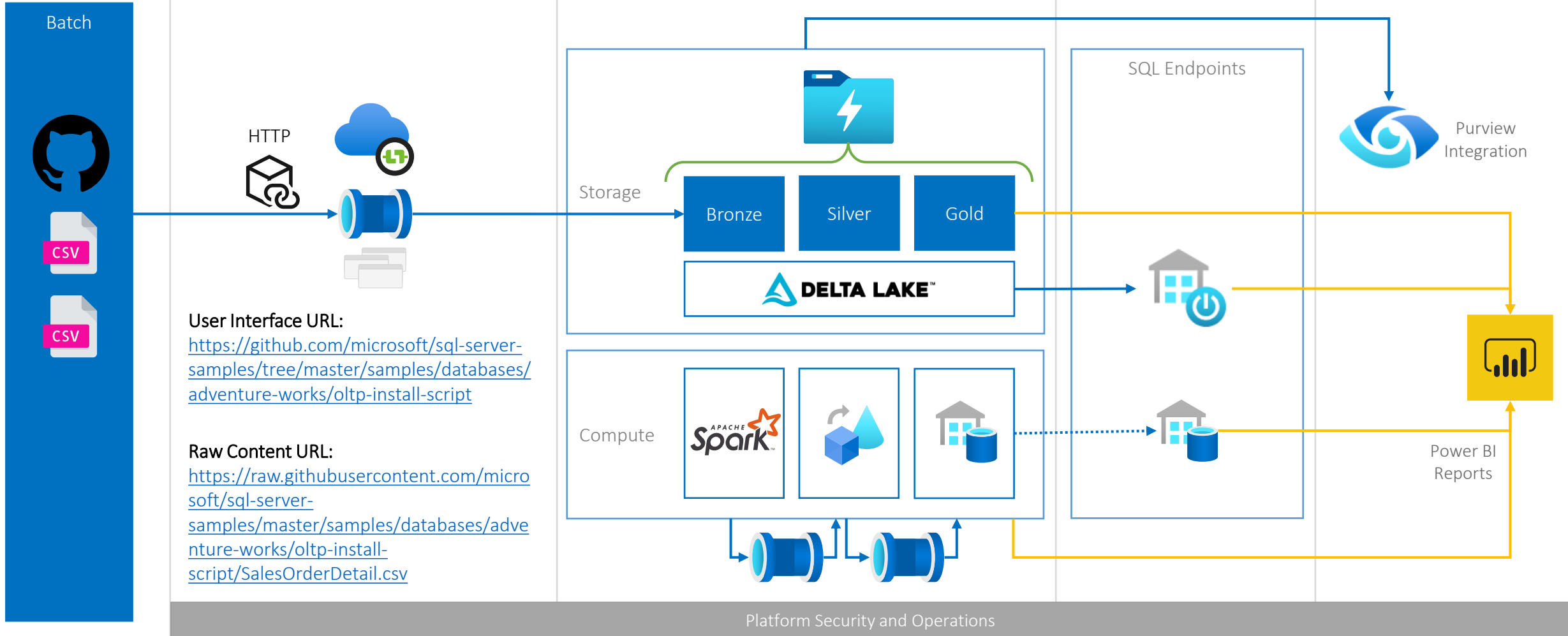
Data Ingestion

Data Processing

Data Serving

Data Consumption

Azure



Build Solution Backlog

Azure Free Trial:
<https://azure.microsoft.com/en-gb/free/>

👑 Data Platform Solution

🏆 Platform Setup

📖 Tenant

- ✅ Create an Azure Tenant

📖 Subscription

- ✅ Sign up for an Azure Free Trial
- ✅ Link free subscription to Tenant.

📖 Synapse

- ✅ Create an Azure Resource Group
- ✅ Deploy Azure Data Lake Storage
- ✅ Deploy Azure Synapse Analytics

🏆 Extract

📖 *Data Source 1* – GitHub

- ✅ Review Integration Runtime
- ✅ Create a Linked Service
- ✅ Create a Source Dataset
- ✅ Create a Sink Dataset
- ✅ Create Copy Pipeline(s)

🏆 Transform

📖 Create Delta Lake Tables

(Using Notebooks or Data Flows)

- ✅ Ingestion raw CSV files and write out Delta Lake Tables.

📖 Create Fact & Dimension Tables

(Using Notebooks or SQL Pools)

- ✅ Create Fact Sales
- ✅ Create Dim Date
- ✅ Create Dim Sales Details
- ✅ Create Dim Product Details

🏆 Serve & Consume

📖 Model Data

- ✅ Create a Power BI Desktop file to model and visualise the data.





Thank you for listening...

Paul Andrew



Mr Paul Andrew
Consulting Ltd

Blog: mrpaulandrew.com
YouTube: [c/mrpaulandrew](https://www.youtube.com/c/mrpaulandrew)
Email: paul@mrpaulandrew.com

Twitter: [@mrpaulandrew](https://twitter.com/mrpaulandrew)
LinkedIn: [In/mrpaulandrew](https://www.linkedin.com/in/mrpaulandrew)

GitHub: github.com/mrpaulandrew

