

**GFT Poland**

# **Data Analytics Enablement with Microsoft Azure**

We build banks and help transform global organizations

# About GFT Poland



## TECH CAPABILITY

- 50% of our experts work for the **biggest banks in the world**
- 50% of our commercial projects are delivered in **Cloud technology**
- World-class certified experts **with elite certifications**
- Delivery competence in **AI, Blockchain, Big Data**
- 60% of engineers are **senior level** in Java, JS, Scala, Kotlin, .NET, React, C++, NoSQL and others.



## BUSINESS DOMAINS

- Sector awareness
- Strong **business consulting team**
- **Compliance & regulatory know-how**



## DELIVERY EXCELLENCE

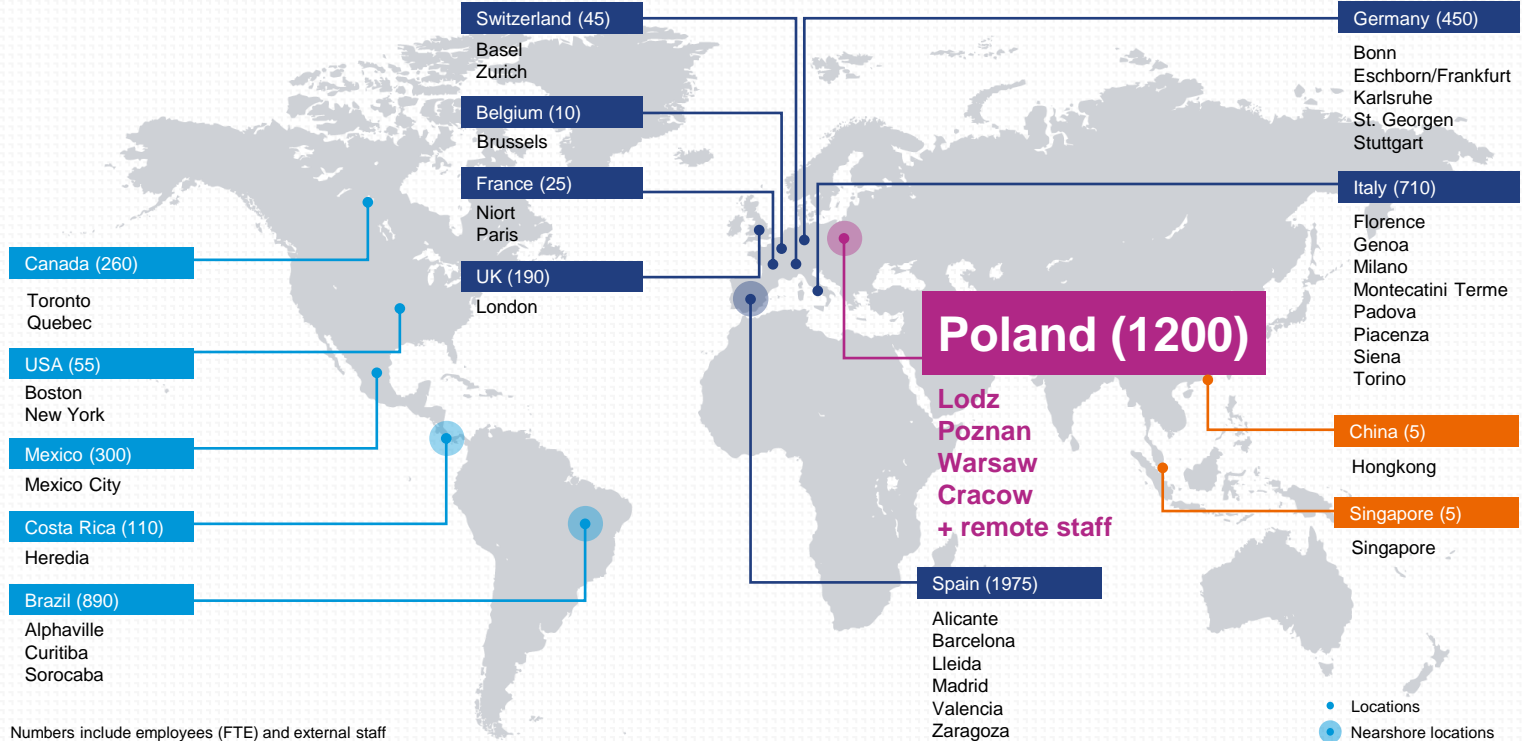
- **End-to-end software delivery:** backend, frontend, UX, testing, DevOps
- On-site / Mixed-shore / Nearshore delivery
- Internal **Tech Incubators**
- Excellent delivery methodology: **Agile/Scrum/CMMI**
- Robust **team scalability**



## SECTOR SUCCESS

- **Retail banking**
- **Virtual banking**
- **Core banking technologies**
- **Investment banking**
- **Insurance**
- **Industry 4.0**

# Part of GFT Group: 8500 experts in 16 countries



Numbers include employees (FTE) and external staff

## Expertise &amp; Track Record

# Data Analytics



## Big Data & Fast Data

- Big Data
- Social Mining
- Stream Processing



## Artificial Intelligence

- Cognitive
- Smart Bots
- Engineering



## Data Management

- Data integration
- Quality
- CDO Advisory
- Master & Ref Data
- Governance
- Lineage



## Data Analytics

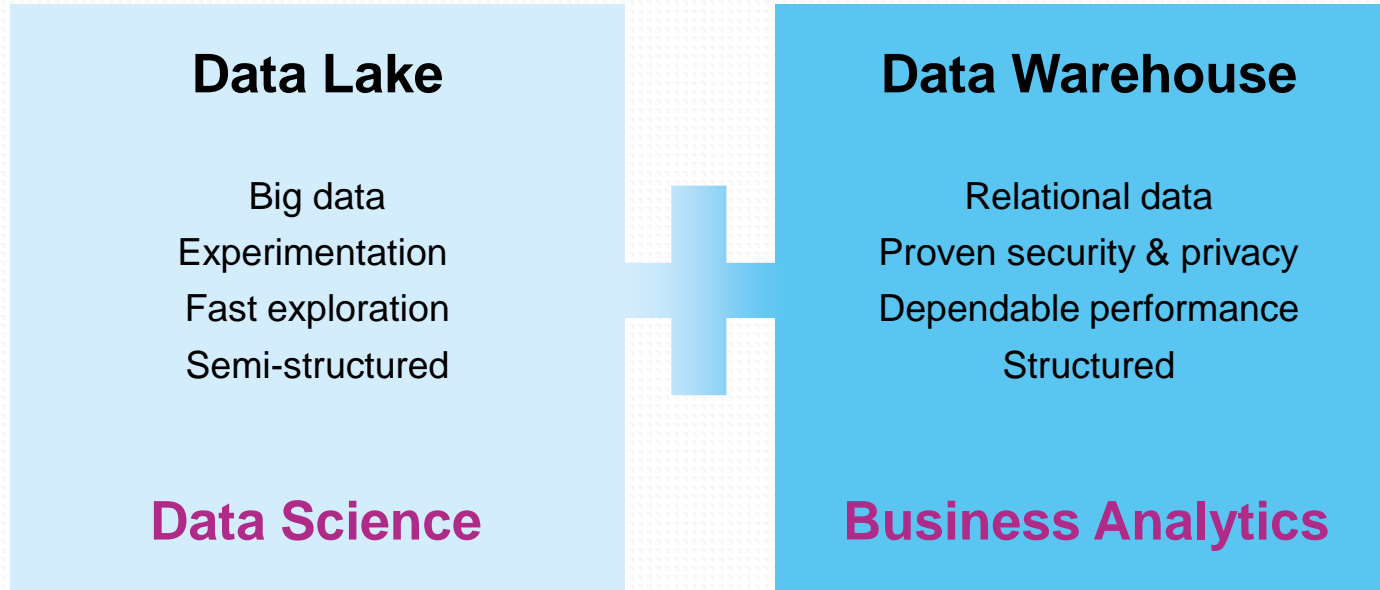
- Self-service
- Customer-centric
- Warehouses
- Dashboards
- Real-time reports

# Successful deliveries of Cloud Data Lakes



- **End-to-end experience** in building data lakes in the cloud
- Logical and physical **architecture design**
- **Cost estimation** and technology selection
- Ephemeral clusters and dynamic provisioning for cost reduction
- **Data Science / ML** process integration
- **Hybrid (cloud + on-premise)** data lakes & data tokenization

# Data lakes and warehouses come together



# Data lakes and warehouses come together



- **Mission-critical warehouse** jobs are demanding and predictable
- **Exploratory analytics** and data science are important but unpredictable

- Securing a **business-critical environment** needs enterprise-class features such as row and column security
- Securing a platform used for **both experimentation and production** demands the ability to discover sensitive data
- **User management** in an environment with diverse use cases requires integrated enterprise authentication

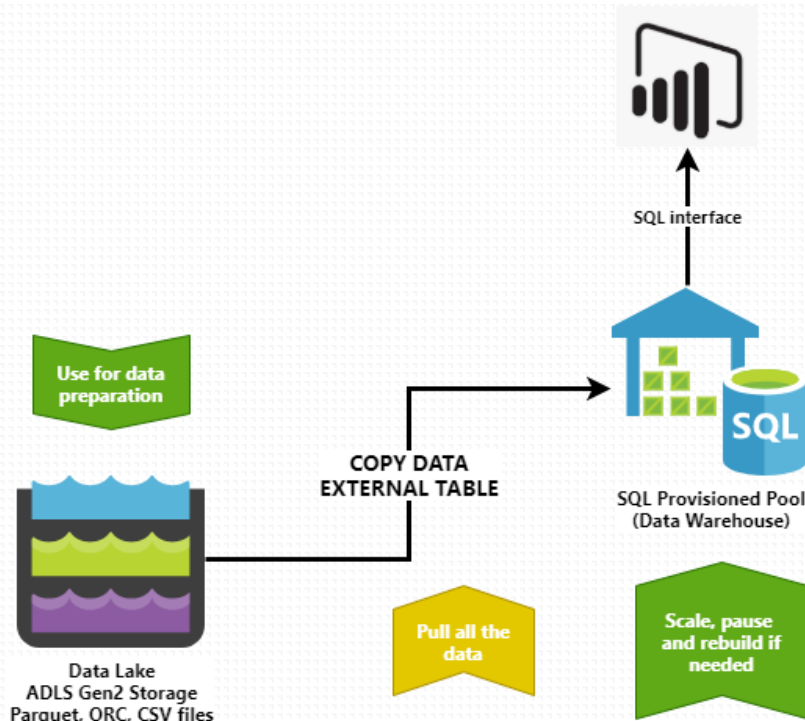


**Synapse Analytics** supports both data warehouse and data lake security controls as well as management with a **single control plane**.

## Sample architecture

# Traditional

- Provisioned SQL pool delivers more predictable performance due to resources reservation
- Worth considering when you have large number of queries being run consistently
- Uses T-SQL, so it is easy to transition back-and-forth between Serverless and a Provisioned SQL pool
- Cost is based on selected compute scale & uptime

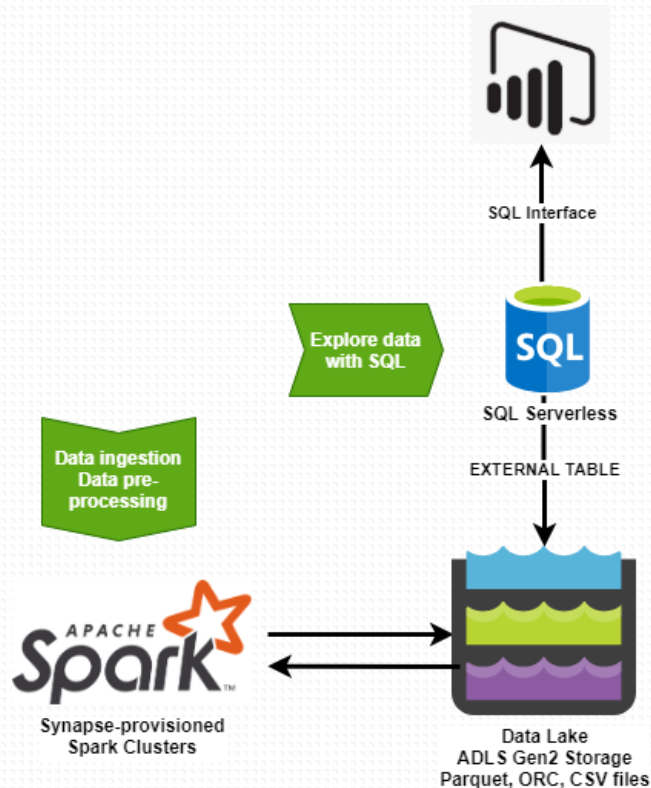




## Sample architecture

# Serverless

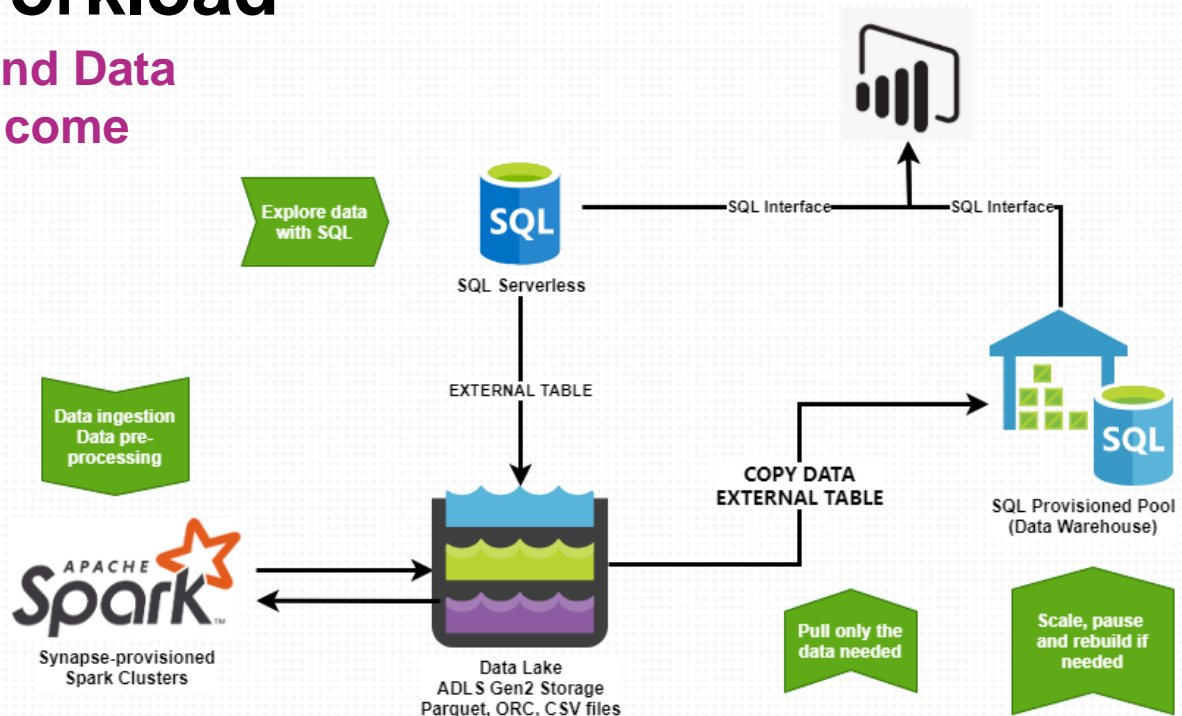
- SQL On-Demand – allows for an infrastructure-free querying layer on top of data lake storage
- Charged by Terabytes data read rather than infrastructure uptime - so there's no concept of scaling, sizing etc.
- Can be moved to provisioned pools if usage starts generating too much cost
- Query over open file formats such as CSV or Parquet natively, without loading the data to a proprietary cluster



Sample architecture

# Mixed Workload

Data Lakes and Data Warehouses come together



# Shaping the future of digital business



## Contact us

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## Learn more

- [gft.com](https://gft.com)
- [GFT Azure capability](#)