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## CLOUD ANALYTICS READINESS ASSESSMENT

### FIVE-DAY WORKSHOP

If you are considering a move to the cloud to modernize and accelerate your use of data and analytics, Pythian can help you get started with our Cloud Analytics Readiness Assessment.

This five-day assessment will bring clarity to your team about:

- Your current technical and business analytics environment, areas for concern and of opportunity based on best practices
- The pros, cons and costs associated with moving your BI stack to a cloud architecture
- Recommendations regarding your future state, including the tooling recommendations that will help on your path to better business outcomes
- Pricing scenarios

With a focus on mapping business goals to a technology plan, this assessment will take into account both current and planned needs, especially with regard to:

- **Agility** - to adapt easily to changes in source data
- **Performance** - faster data load time
- **Flexibility** - in data models
- **Efficiency** - to support a range of end-user analytics tools
- **Governance** - to ensure data lineage and master data management
- **Scalability** - to easily add additional data sources
- **Security** - of data, systems, and processes

An experienced Pythian data strategist or strategists will come to your location for up to five days to collaborate with your teams. Working with business unit(s), technology team, analytics team, and data stakeholders, the data strategist(s) will help you determine use cases and priorities and map these to a technology plan.

## WORKSHOP CONTENT

Prior to the onsite portion of the assessment, you will have the opportunity to curate your own priority list of items to focus on during the assessment that will likely include some of all of the following:

- Summary of top use case requirements tied back to source data
  - Understanding what data sources, data velocity and types of analytics are needed will help determine platform strategy and planning horizon
- Current analytics tech stack and opportunities for modernization
  - Conversations will focus on current data warehouse and ETL, and considerations for migration to cloud focused on separating and mapping consumer zones to state zones
  - Evaluate any compliance constraints and their impact
  - Best practices around creating scopes of responsibility in data pipeline, assigning the right ownership such that analysis reports and apps can have reliable SLA driven data delivery
- High-level metadata management
  - Managing Schema evolution and adding it into pipelines
  - Data lineage—batch file mgt and streaming, ingest delivery and controls
- BI tool options and recommendations
  - Pros and cons of self-service/bring your own analytics (BYOA)
  - Ways to shorten the list of likely analytics tool candidates
  - Choosing the right state store for the right use cases
- AI and Machine Learning plans and considerations (optional)
  - Introduce Data Science framework - a journey from business opportunities to machine learning modeling and production deployments
  - Best practices designing AI solutions and recommended tools
  - Discussion about possible use cases and how to prioritize according to the proposed framework
  - ML Ops and operationalizing your models/model management
- SLOs
  - Data timeliness assessment and recommendations
  - Data as a service, SLAs
  - Real-time vs batch vs micro batch tradeoffs
- Data Policies and compliance
  - PII considerations - masking/encrypting
  - Data quality
  - Compliance implications
- Cloud connectivity
  - Architecture considerations including cloud vendor comparison and recommendations, or cost optimization if a vendor is already chosen
  - Use of cloud services vs open source vs other

## METHODOLOGY

Pythian puts an emphasis on running the workshop as an agile engagement, coupling interviews with daily whiteboard sessions that summarize what was uncovered and discussing implications on your data strategy.

Interviewees are pre-scheduled and typically include data owners, end users of analytics, business stakeholders, BI leads, architects and IT.

## DELIVERABLES

We will deliver an interactive presentation of recommendations and results, followed by a Cloud Analytics Readiness Assessment report document within two weeks of the on-site assessment workshop.

The report will also include:

- A high-level analytics platform roadmap short term and long term with tooling recommendations
- A phased plan for implementation of an analytics platform project including
  - High-level reference architecture
  - High-level solution schedule with an implementation plan
  - Solution cost with an estimated range of public cloud services costs

## YOUR ROLE

To ensure the success of your Cloud Analytics Readiness Assessment and project, we recommend that you establish a project team and make available the personnel who:

- a) control and know the data sources
- b) know the use case
- c) will use the data in some way
- d) IT and Security teams
- e) and those who are responsible for cloud

## PRICE

Starts at \$24K GBP plus travel and living costs. Should you decide to engage Pythian to implement a solution, 50 percent of the assessment fee can be applied against the cost of the ongoing engagement.

## WHY PYTHIAN FOR THIS PROJECT?

We have:

- 20 years in data
- Satisfied analytics customers
- Cloud certified experts
- Focused on outcomes as well as technology

## GET STARTED TODAY

[Contact us](#) to find out how Pythian's analytics experts can help you become a truly data-driven organization, by aligning your business needs with your data strategy and technology.



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## ABOUT PYTHIAN

Pythian excels at helping businesses around the world use their data to transform how they compete and win in the data economy. From cloud automation to machine learning, Pythian leads the industry with proven innovative technologies and deep data expertise. For more than 20 years Pythian has built its reputation by delivering solutions to the toughest data challenges faster and better than anyone else.

### OFFICES

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New York City, USA

London, England

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