Enterprise Data Platform (EDP) Quickstart Analytics Workshop for SAP

SAP customers have challenges when it comes to combining, integrating and analyzing data that comes from third-party systems like Salesforce, Workday, as well as e-commerce, loyalty, and market data. Often, SAP customers use legacy tools and reporting systems that attempt to solve this data integration problem to get a consolidated view of their data, but this approach can lead to more challenges in costs, governance, compliance and security.

At Pythian, we take a holistic approach: We consider SAP and its surrounding data stores as enterprise data sources. This permits us to follow a generally practiced integration path supporting standard principles of data transformation using the framework of an enterprise data platform (EDP).

Conducted as a collaborative exercise, Pythian's experienced SAP data strategists will conduct a five-day workshop with your team to bring clarity to the SAP deployment challenge. Working with business unit(s), technology teams, analytics teams and data stakeholders, Pythian can help you determine use cases and priorities based on your industry and needs, including deployment on-premises or in a private or public cloud.

Our EDP Quickstart Analytics Workshop for SAP offers a roadmap that provides:

- An assessment of your current technical and SAP analytics environment with recommendations based on established best practices

- The pros, cons and costs associated with moving your infrastructure to Google Cloud

With a focus on mapping business goals to a technology plan, this assessment will consider your evolving needs to deliver:

- **Agility:** Quickly and easily adapt to changes in source data and new technologies

- **Performance:** Experience faster data load time

- **Flexibility:** Modify data models to meet changes in your business

- **Efficiency:** Support a range of end-user analytics tools

- **Governance:** Ensure data lineage and master data management

- **Scalability:** Easily add additional data sources

- **Security:** Ensure the security of your data, systems and processes

Pythian

How it Works

Workshop

- Top use cases and challenges review tied to data sources
- Review of SAP and third-party tech stack
- High level metadata management summary
- Visualization tooling discussion and options
- Data policy requirements
- SLOs (service level objective: target level of reliability), compliance and security requirements

Timeline: ~2 weeks (1 workshop, analysis, present findings)

Resources: 1 Data Architect, 1 SAP Architect

Prior to the EDP Quickstart Analytics Workshop for SAP, we recommend you create a list of priority items to focus on during the workshop. These could include:

- Top use case requirements tied back to data source
- List of data sources, data velocity and types of analytics needed
  - These will help determine platform strategy and planning horizon
- Analytics tech stack and goals for modernization
- Current data warehouse, if any, as well as ETL and considerations for migrating to the cloud
- ETL and best practices using Google Cloud services such as Google Cloud Dataflow, Google Cloud Dataproc, Google Cloud Data Fusion and Google Cloud Composer
- Compliance constraints and their impact
- Assessment of the scale, performance and availability of the current environment using Google Cloud best practices
- Data timeliness/quality assessment and recommendations
- High-level metadata management assessment summary and use of Data Catalogue
- Managing schema evolution and adding it into pipelines
- Data lineage, including batch file management, streaming and ingest delivery, and controls
- The right state store for your use cases
- Visualization tool options and recommendations such as PowerBI, Data Studio, Tableau, Looker and others
- Pros and cons of self-service/bring your own analytics (BYOA)
- Ways to shorten the list of likely analytics tool candidates

- AI and machine learning plans and considerations
- Introduction to data science framework–a journey from business opportunities to machine learning modeling and production deployments
- Best practices designing AI solutions and recommended tools such as Vertex AI, AI Hub, AI Platform Notebooks, Cloud AutoML, Kubeflow and TensorFlow
- Discussion about possible use cases in general, and attribution in particular, and how to prioritize according to the proposed framework
- MLOps and operationalizing your model management considerations
- SLOs
- Determining performance, availability and scalability parameters based on user or machine requirements
- Data timeliness assessment and recommendations
- Data quality assessment and recommendations
- SLAs
- Real-time vs batch vs micro-batch tradeoffs
- Security needs assessment, including GDPR
- Access control and management using services such as Cloud Security Command Center and IAM
- Integration with enterprise identity and access management
- Secure networking
- Data loss prevention
- Data policies and compliance
- PII considerations GDPR, data use/access management
- Data quality
- Data retention
- Industry compliance implications: HIPAA, PCI, etc.

Deliverables

Within three weeks of the workshop, Pythian will deliver:

- Interactive presentation with recommendations and approach
- Pipeline / EDP Quickstart Pilot for SAP architecture
- Tooling recommendations
- A phased plan for implementation
- Solution scheduled with an implementation plan
- Scope of the service with key assumptions and with estimates for Google Cloud services

- High-level solution architecture that includes Google Cloud-native services such as BigQuery, Cloud Pub/Sub, Cloud Composer, Cloud Dataflow, Cloud Dataproc, Data Catalog, Data Fusion, Data Studio, Cloud AutoML, Cloud AI and open-source

- High-level solution schedule with an implementation plan

- Solution cost that includes an estimated range of GCP services

- Costs

Partnering with your team

To ensure the success of your EDP Quickstart Analytics Workshop for SAP, 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. Are responsible for IT and security

E. Are responsible for cloud accounts

Price: $15K USD*****. If you choose to engage Pythian to implement these recommendations, 50 percent of the assessment fee can be applied toward the cost of the engagement.

Why Pythian for this project?

Pythian:

- Is a highly experienced SAP partner with more than 200 certifications across all hyperscale cloud platforms

- Has performed many successful SAP integrations using SAP Activate methodology

- Possesses SAP HANA expertise that includes:

  - Hardware sizing: DB security, setup and admin

  - Performance tuning on single and multi-node SAP landscapes

  - DR setup and maintenance

  - Specializations in SAP applications and SAP Customer Data Platform

- Is an SAP PartnerEdge Silver Services partner and SAP-certified application hosting services provider

- Is an SAP Global Database Migration Factory partner

As a Google Cloud Premier, MSP and Specialization partner, Pythian provides end-to-end services for all Google Cloud solutions. As the 2020 Google Cloud Specialization Partner of the Year for **Data Management,** Pythian's native data and analytics competencies are recognized for driving innovative solutions for companies utilizing Google Cloud.

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.

* The EDP Quickstart Analytics Workshop for SAP can be delivered remotely or onsite. Please get in touch with a Pythian representative for onsite workshop delivery.

About Pythian

Pythian's global team of certified service professionals has decades of deep SAP expertise supporting on-premise systems across all major SAP cloud-certified hosting providers. This means hundreds of certified experts on AWS, AZURE, GCP and HANA Cloud ensuring you have the right expert on any cloud or premise when you need it. Our SAP consulting group has more than 20 years of technical leadership in SAP consulting, migrations, enterprise hosting and managed services. We're the right partner for your SAP assessments, migrations and application support needs.

- A certified multicloud partner with 200+ cloud certifications.

- SAP integrations using service-oriented architecture (SOA), electronic data interchange (EDI), Application Link Enabling (ALE), Remote Function Call (RFC) and IDOCS.

- SAP upgrades and migrations including the launching of new functionalities including:

  - ECC/S4/HANA

  - BW/BW4HANA/BusinessObjects

  - SCM/CRM/SRM/APO/GRC

  - PI/PO/PORTAL

- SAP HANA expertise including:

  - Hardware sizing: DB security, setup and admin.

  - Performance tuning on single and multi-node SAP landscapes.

  - DR setup and maintenance.

  - Specializations in SAP applications.

  - SAP Customer Data Platform.

- Pythian is an SAP PartnerEdge program partner and SAP-certified application hosting services provider.

Get started with Pythian

Talk to your Pythian sales representative to discuss our special offers. Email us at **sales@pythian.com** to get started with a free SAP migration assessment and help from Pythian.

linkedin.com/company/Pythian   twitter.com/Pythian   Contact us at +1-866-798-4426 or info@pythian.com

ABOUT PYTHIAN

Founded in 1997, Pythian is a global IT services company that helps organizations transform how they compete and win by helping them turn data into valuable insights, predictions and products. From cloud automation to machine learning, Pythian designs, implements and supports customized solutions to the toughest data challenges.
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