

# Acceldata Pulse

## Data observability and compute performance monitoring

Acceldata Pulse provides cross-sectional visibility into enterprise analytics and AI systems across hybrid data lakes and warehouses.

Pulse correlates events across infrastructure, application, and data layers to provide a comprehensive understanding of individual components, data pipelines, and system performance, all in a single pane of glass UI.

## Typical Customer Challenges

- Unplanned data system outages and slowdowns
- Low developer productivity due to operational issues
- Inability to scale to meet expanding business requirements
- Exploding data system costs
- Limited talent and technical resources to handle ever-rising complexity of fast-changing technologies



## Key Capabilities

- **Predict and prevent operational incidents:** Detect and predict anomalies, automate preventive maintenance, and correlate contributing events to accelerate root cause analysis.
- **Accelerate data consumption:** Optimize query and algorithm performance, identify bottlenecks and excess overhead, and take advantage of customized guidance to improve deployment configurations, data distribution, and code and query execution.
- **Optimize data operations, capacity, and data engineering:** Align deployment configurations and resources with business requirements, monitor and predict costs of shared resources, and manage pipeline data flow with deep visibility into data usage and hotspots.
- **Integrate with critical data systems:** Easily connect to Databricks, Spark, Kafka, Hadoop, as well as other popular open-source distributions, data warehouses, query engines, and cloud platforms.



# PhonePe (a Walmart company) saves \$5M, achieves reliability at scale

## Key Results:



10X Scaled data infrastructure to 700 nodes



0 Unplanned outages for 12 months (and counting)



\$5M saved in annual software licensing costs



Acceldata supports our hyper-growth and helps us manage one of the world's largest instant payment systems. PhonePe's biggest-ever data infrastructure initiative would never have been possible without Acceldata.

**Burzin Engineer**  
**Founder & Chief Reliability Officer, PhonePe**

## Customer Business Value

- ➔ **Eliminate unplanned outages:** Transition from incident resolution to prevention; many Pulse customers have eliminated unplanned outages for 12 months or more.
- ➔ **Scale in a single click:** Automatically analyze workloads to optimize configurations and settings. Expedite experimentation, testing, and implementation to quickly stand up new technologies.
- ➔ **Reduce Costs:** Pulse customers often save millions of dollars annually by offloading over-provisioned software and aligning compute costs with business requirements.

## Ideal for

- ➔ Companies in the Telco, Financial Services, Energy, IoT, e-Commerce industries and any enterprise that relies on large volumes of data at rest and data in motion for operational and analytical requirements.
- ➔ Companies with 30TB+ of data and 500 Cores of processing power
- ➔ Organizations which are looking to adopt and scale advanced open source data technologies
- ➔ Organizations that have Amazon EMR, Amazon Redshift, Apache HBase, Apache Hive, Apache Spark, Cloudera, Databricks, Flink, Google Cloud Platform, Google Cloud Storage, Hortonworks Data Platform, Impala, Kafka, Pulsar, Snowflake

