Serverless Data Processing with Dataflow (SDPF)

ID SDPF **Price** CHF 2,220.—(excl. VAT) **Duration** 3 days

Who should attend

- Data engineer.
- Data analysts and data scientists aspiring to develop data engineering skills

This course is part of the following Certifications

Google Cloud Certified Professional Data Engineer (PDE)
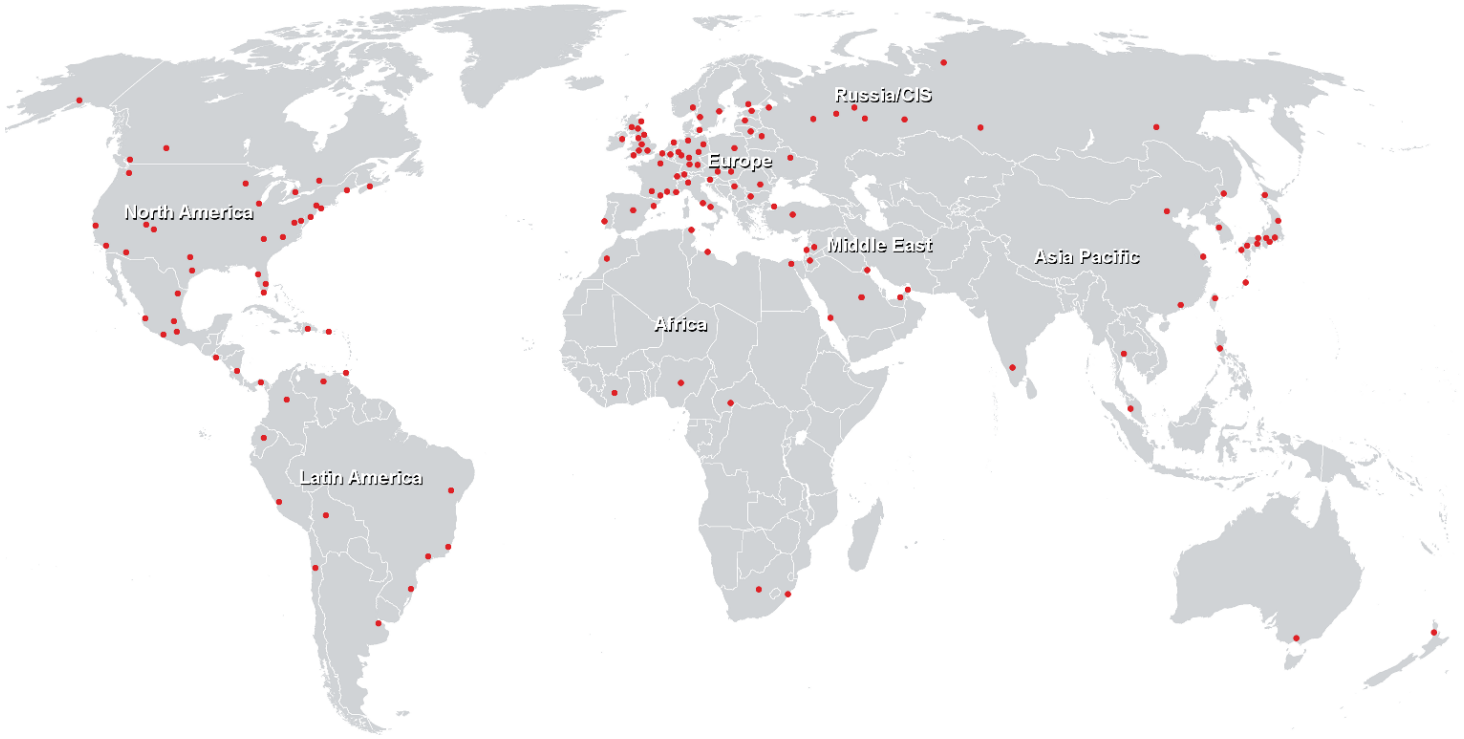
Prerequisites

To get the most out of this course, participants should have completed the following courses:

- Building Batch Data Pipelines
- Building Resilient Streaming Analytics Systems

Course Objectives

- Demonstrate how Apache Beam and Dataflow work together to fulfill your organization's data processing needs.
- Summarize the benefits of the Beam Portability Framework and enable it for your Dataflow pipelines.
- Enable Shuffle and Streaming Engine, for batch and streaming pipelines respectively, for maximum performance.
- Enable Flexible Resource Scheduling for more cost-efficient performance.
- Select the right combination of IAM permissions for your Dataflow job.
- Implement best practices for a secure data processing environment.
- Select and tune the I/O of your choice for your Dataflow pipeline.
- Use schemas to simplify your Beam code and improve the performance of your pipeline.
- Develop a Beam pipeline using SQL and DataFrames.
- Perform monitoring, troubleshooting, testing and CI/CD on Dataflow pipelines.

Google Cloud
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Training Centres worldwide

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