Building Streaming Data Analytics Solutions on AWS (BSDASA)

ID BSDASA **Price** CHF 870.—(excl. VAT) **Duration** 1 days

Who should attend

This course is intended for:

- Data engineers and architects
- Developers who want to build and manage real-time applications and streaming data analytics solutions

Prerequisites

We recommend that attendees of this course have:

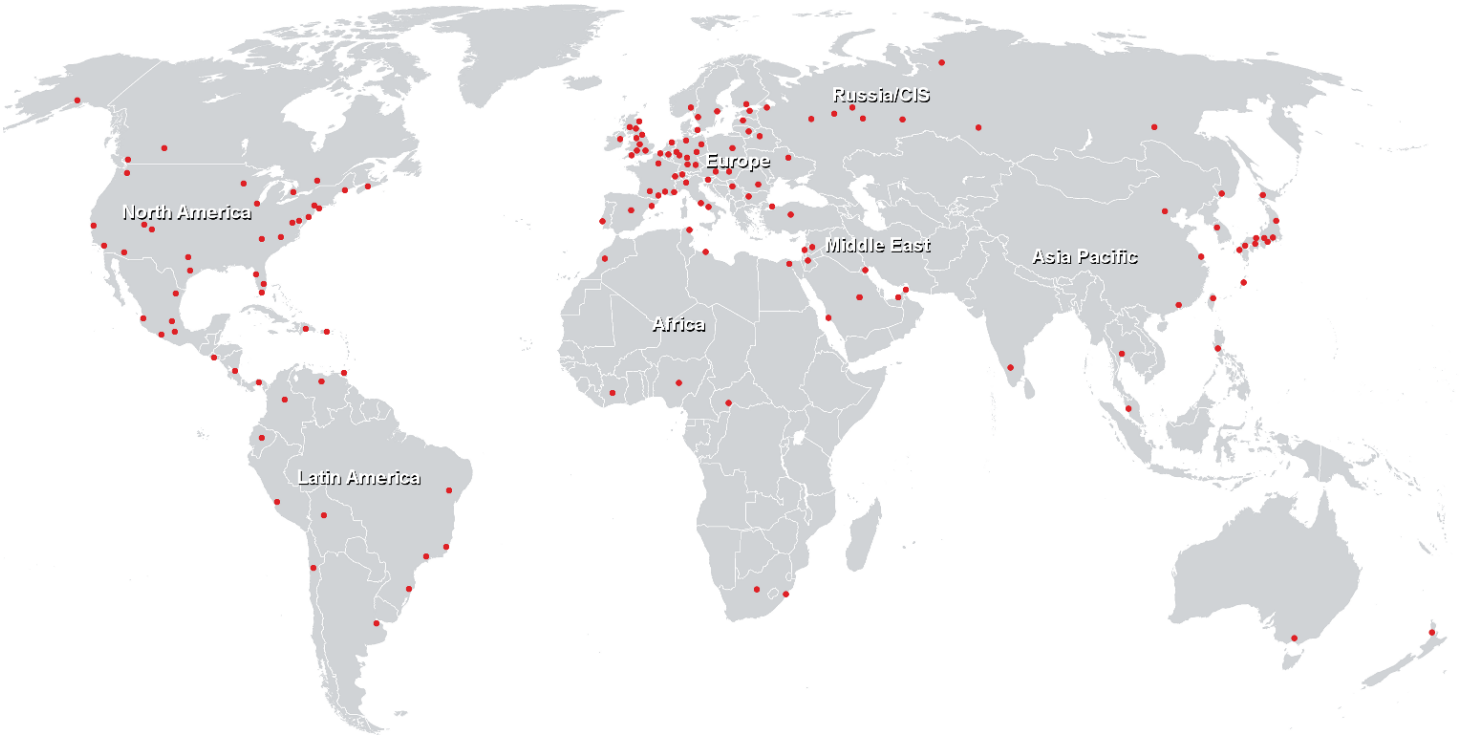
- At least one year of data analytics experience or direct experience building real-time applications or streaming analytics solutions. We suggest the Streaming Data Solutions on AWS whitepaper for those that need a refresher on streaming concepts.
- Completed either Architecting on AWS (AWSA) or Data Analytics Fundamentals
- Completed Building Data Lakes on AWS (BDLA)

Course Objectives

In this course, you will learn to:

- Understand the features and benefits of a modern data architecture. Learn how AWS streaming services fit into a modern data architecture.
- Design and implement a streaming data analytics solution
- Identify and apply appropriate techniques, such as compression, sharding, and partitioning, to optimize data storage
- Select and deploy appropriate options to ingest, transform, and store real-time and near real-time data
- Choose the appropriate streams, clusters, topics, scaling approach, and network topology for a particular business use case
- Understand how data storage and processing affect the analysis and visualization mechanisms needed to gain actionable business insights
- Secure streaming data at rest and in transit
- Monitor analytics workloads to identify and remediate problems
- Apply cost management best practices

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