Architecture Diagrams

Location-enabled Data Science with Precisely on AWS

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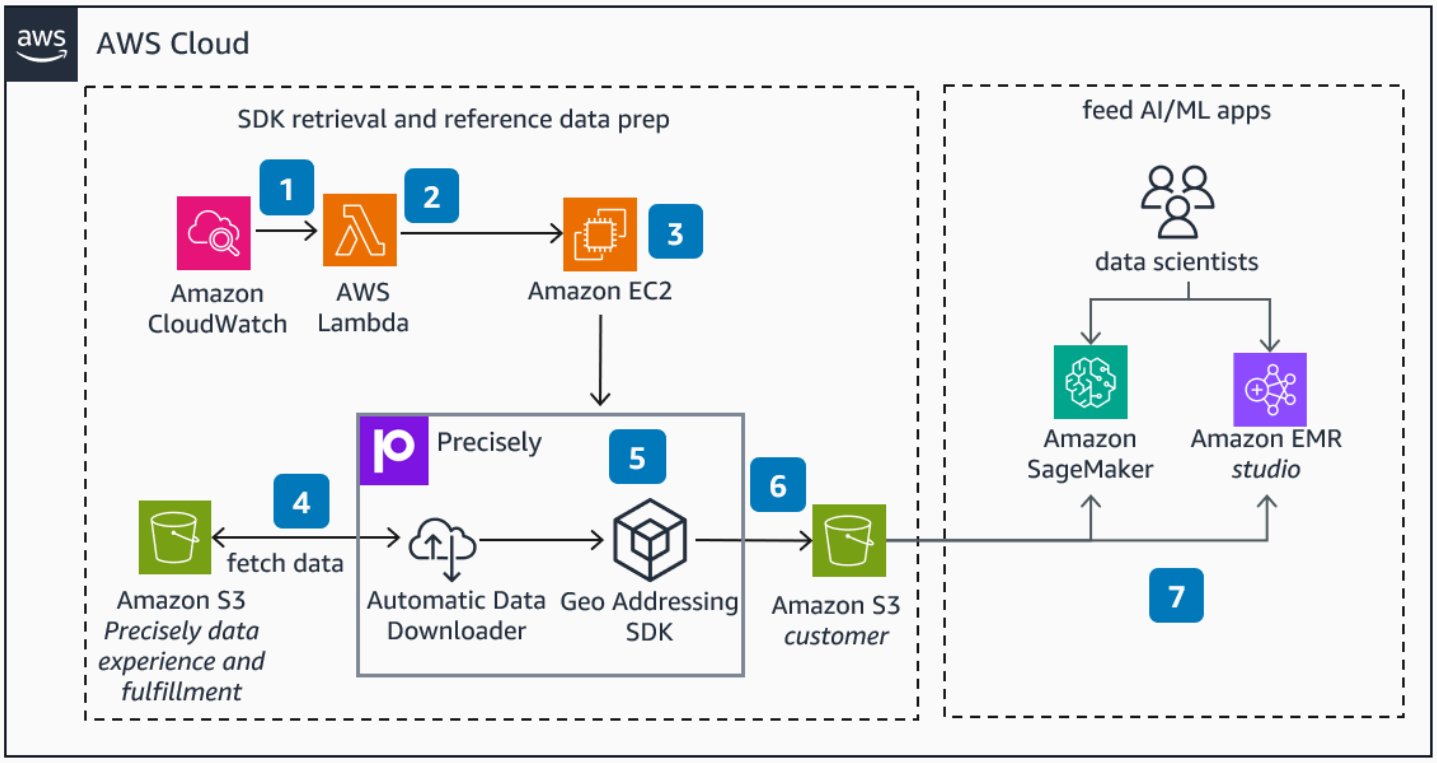
This reference architecture shows how customers can deploy Precisely geo addressing capabilities on Amazon SageMaker AI or Amazon EMR Studio to enhance experiments with location-aware data.

Location-enabled Data Science with Precisely on AWS Diagram



1. **Amazon CloudWatch** is scheduled to invoke **AWS Lambda** at a set intervals (such as monthly or quarterly).
2. **LambdaLambda** is invoked and starts to compute resources.
3. An **Amazon Elastic Compute Cloud** (Amazon EC2) compute instance is started.
4. Precisely datasets are updated at established intervals. Automatic Data Downloader monitors changes and automatically downloads data from Precisely Data Experience into **Amazon Simple Storage Service** (Amazon S3) in a variety of formats, including flat files (.txt, .csv), spatial data (.shp, .tab), and geocoding reference data (.spd).
5. Use **Amazon S3** to get the Geo Addressing SDK from Precisely Fulfillment.

6. Reference data is downloaded to your **Amazon S3** bucket.
7. Reference data and SDKs are ready to be used for geo addressing on **Amazon SageMaker AI** or **Amazon EMR** Studio.

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Further reading

For additional information, refer to

- AWS Architecture Icons
- AWS Architecture Center
- AWS Well-Architected
- Precisely - Geo addressing, geocoding, and data enrichment solutions

Contributors

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Diagram history

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