



Architecture Diagrams

# Location-enabled Data Science with Precisely on AWS



# Location-enabled Data Science with Precisely on AWS: Architecture Diagrams

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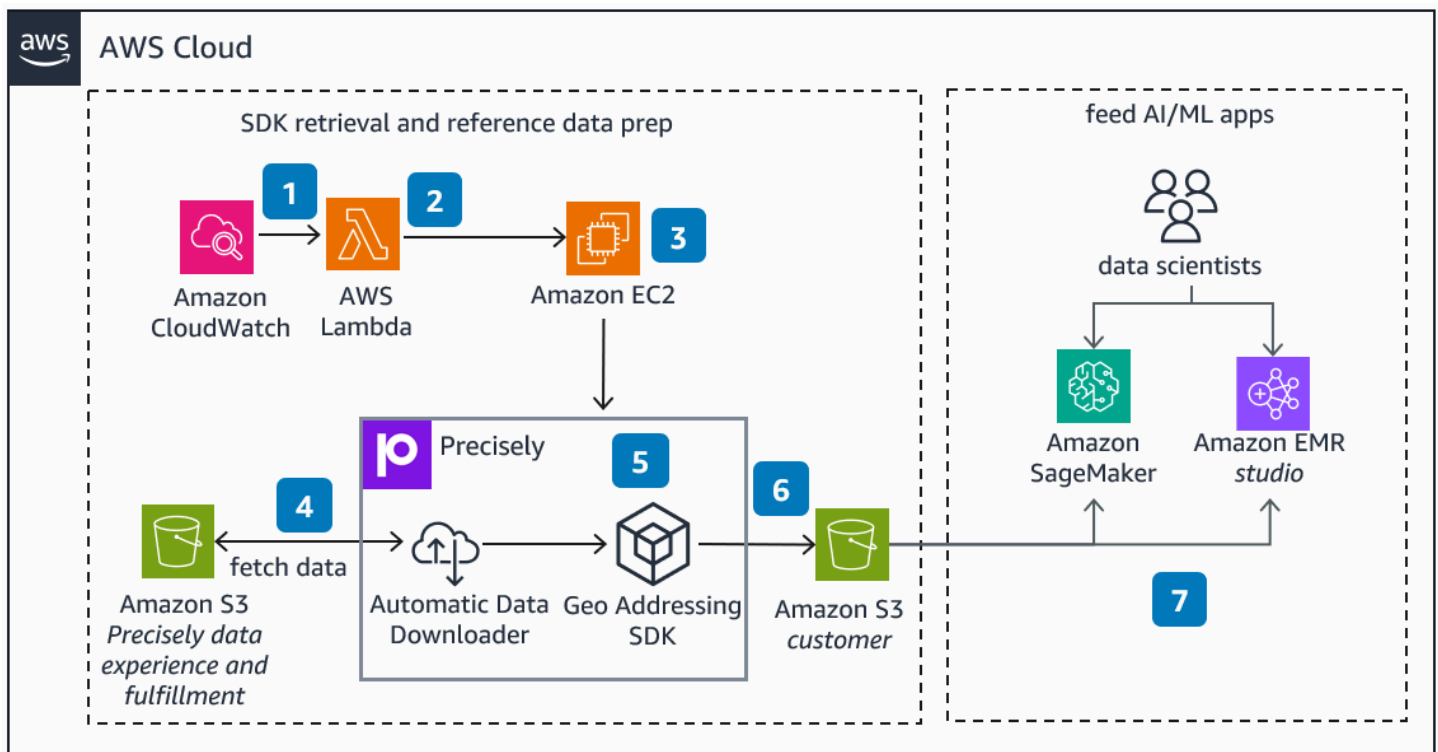
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# Location-enabled Data Science with Precisely on AWS

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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).
- Lambda** is invoked and starts to compute resources.
- An **Amazon Elastic Compute Cloud** (Amazon EC2) compute instance is started.
- 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).
- 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**.

## Download editable diagram

To customize this reference architecture diagram based on your business needs, [download the ZIP file](#) which contains an editable PowerPoint.

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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

Contributors to this reference architecture diagram include:

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## Diagram history

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Change	Description	Date
<a href="#">Initial publication</a>	Reference architecture diagram first published.	September 6, 2023

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