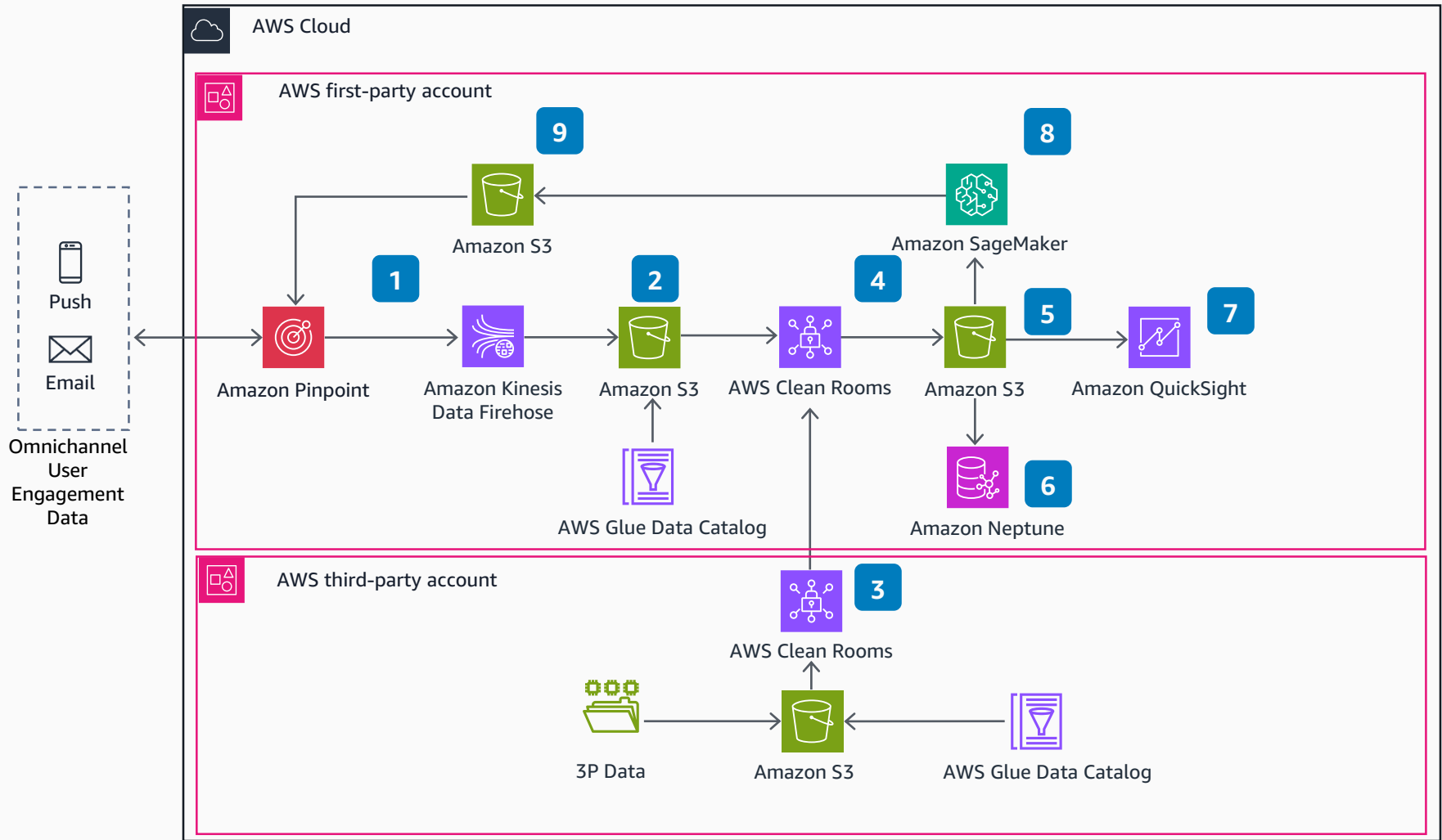


Guidance for Predictive Segmentation Using Third-Party Data with AWS Clean Rooms

This diagram shows how first-party data is combined with third-party data to generate predictive segments in AWS Clean Rooms.



- 1** **Amazon Pinpoint** captures the customer interaction first-party data needed for predictive segmentation. This data loads into **Amazon Simple Storage Service** (Amazon S3) using **Amazon Kinesis Data Firehose**.
- 2** Use **AWS Glue Data Catalog** to catalog the first-party data stored in **Amazon S3** and make it available to **AWS Clean Rooms** as a table.
- 3** Clean and normalize the third-party partner data and store that data in an **Amazon S3** bucket within the partner's AWS account. Use Glue Data Catalog to catalog the files and make it available to **AWS Clean Rooms** as a table.
- 4** Set up an **AWS Clean Rooms Collaboration** with the third-party account as the data provider and the first-party account as the query runner.
- 5** Run the data collaboration query in **AWS Clean Rooms**, and store the query results within the first-party data account.
- 6** Optionally, upload the dataset to **Amazon Neptune**, a fully managed graph database, to visualize the data relationships (such as cross-device user data or household data).
- 7** Optionally, use **Amazon QuickSight** to build dashboards, visualize your analysis, and to generate insights.
- 8** Use **Amazon SageMaker** to build, train, and deploy machine learning (ML) models that generate predictive segments from the first-party and third-party data.
- 9** Import the generated predictive segments in **Amazon Pinpoint** to utilize the generated segments in Amazon Pinpoint campaigns.

