**Algorithm Overview**

1. **Data Transmission from Raspberry Pi:**
   * Raspberry Pi collects data from sensors or inputs.
   * Raspberry Pi publishes the data to AWS IoT Core using MQTT protocol.
2. **AWS IoT Core:**
   * AWS IoT Core receives data from Raspberry Pi.
   * An IoT rule triggers an AWS Lambda function whenever new data is received.
3. **AWS Lambda Function:**
   * The Lambda function processes the incoming data.
   * It stores processed data into DynamoDB for structured storage.
   * It uploads raw or processed data files to S3 for further analysis or long-term storage.
4. **Data Reflection on AWS Server:**
   * Data stored in DynamoDB and S3 is accessed for visualization or analytics via APIs or AWS services.

**Detailed Step-by-Step Configuration**

1. **Create AWS IoT Core Thing and Policy:**
   * Create an IoT Core Thing and register your Raspberry Pi.
   * Create and attach an IoT policy that allows publishing to IoT topics.
2. **Create AWS Lambda Function:**
   * Create a Lambda function that will process incoming IoT data.
   * Set up appropriate IAM roles and permissions for Lambda to access DynamoDB and S3.
3. **Set Up DynamoDB:**
   * Create a DynamoDB table to store the processed data from Raspberry Pi.
4. **Set Up AWS S3:**
   * Create an S3 bucket for storing raw data files.
5. **Create IoT Rule to Trigger Lambda Function:**
   * Define an IoT rule to invoke the Lambda function when data is published to a specific topic.
6. **IAM User and Role Configuration:**
   * Configure IAM roles and policies to ensure secure access for all services, including Lambda, DynamoDB, and IoT.