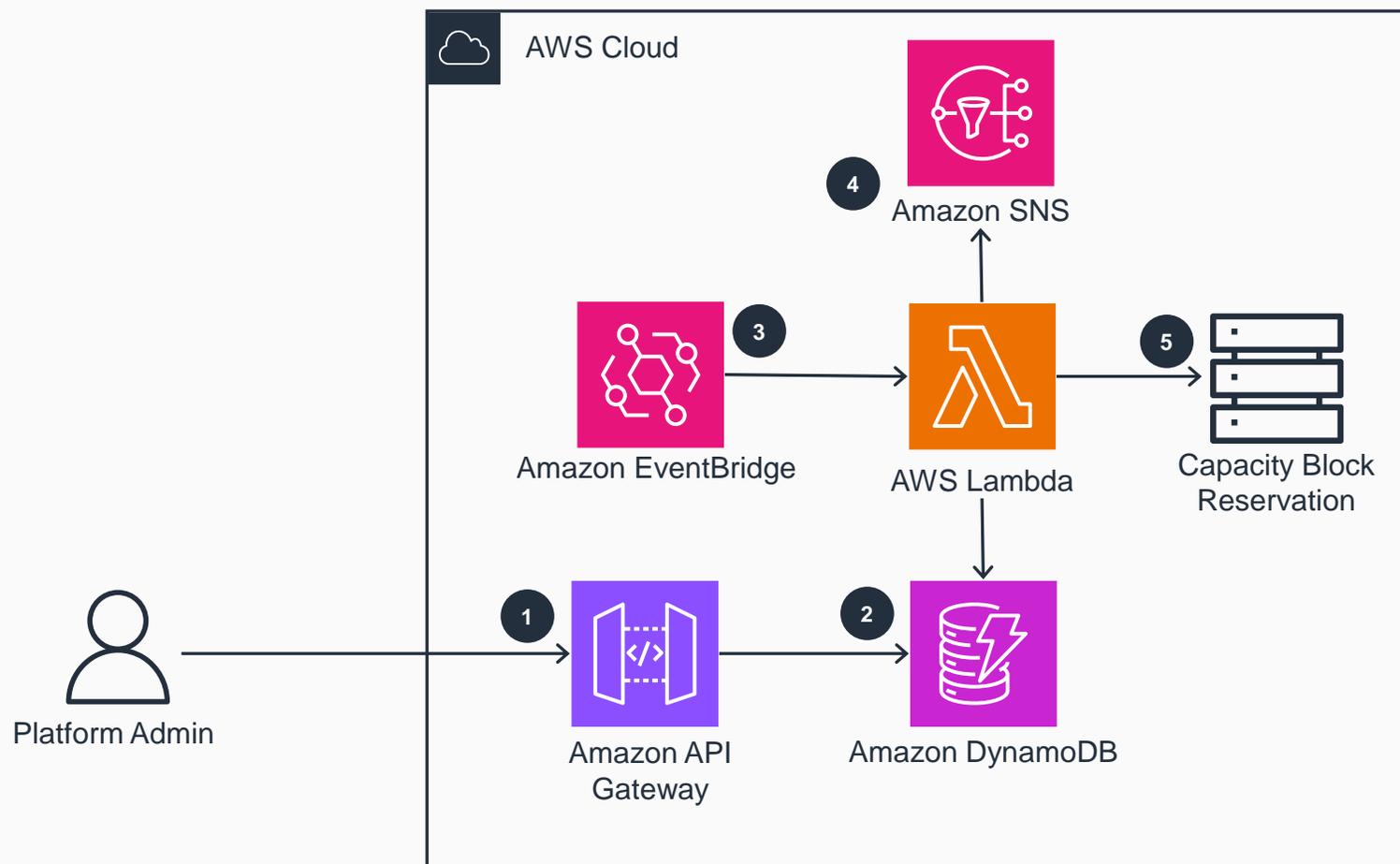# Guidance for Automated Management of AWS Capacity Blocks

"This architecture diagram illustrates how to effectively support Capacity Block Manager on AWS. It shows the key components and their interactions, providing an overview of the architecture's structure and functionality."

1. An API request to create a scheduled extension is submitted by the Platform Admin. This includes how often to check, how long to extend, and what capacity block reservation will be altered. It may also be determined if approval is required.

2. This data is saved to **Amazon DynamoDB**

3. An **AWS Lambda** function is triggered by **Amazon EventBridge** every minute to check the current status of all reservations tracked in the database

4. If approval is required, a notification will be sent to an admin and once approved the solution will continue to the next step.

5. Either automatically or with approval, your capacity block will be extended by the lambda based on these determinations with available offerings.

AWS Reference Architecture