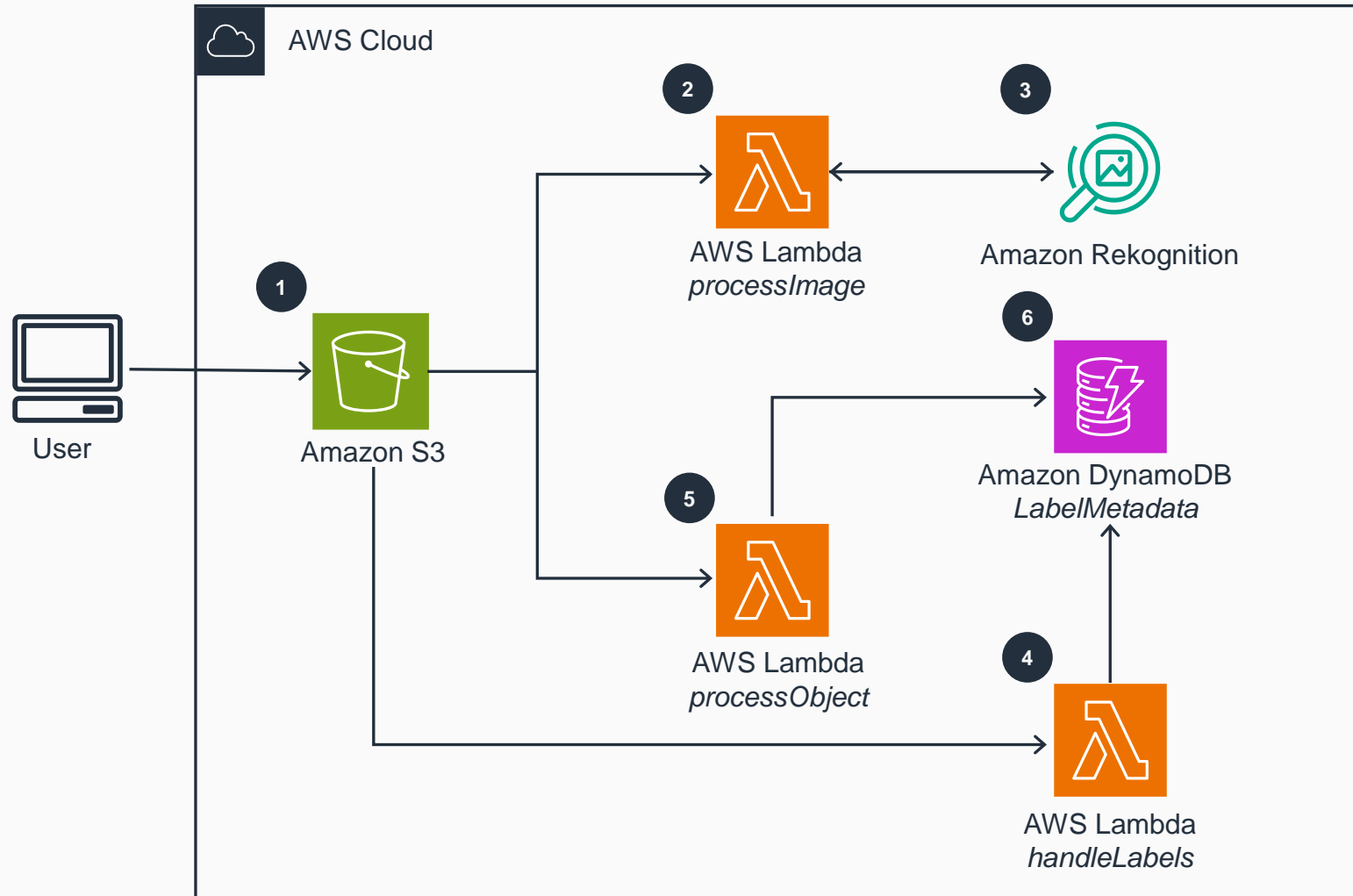


Guidance for Intelligent Identification of 2D/3D Assts on AWS

This architecture diagram shows how to use ML to identify and manage virtual assets in real time.



- 1 Upload the 3D object file and an image(s) of the object to **Amazon Simple Storage Service (Amazon S3)**.
- 2 The **S3** bucket is configured with an **S3** event notification to trigger the `processImage` **AWS Lambda** function when an image is uploaded, sending the image files to **Amazon Rekognition** to be analyzed.
- 3 The `processImage` **Lambda** function uses **Amazon Rekognition** to return labels about the image. The function then adds the labels to the image in an **S3** bucket as user-defined metadata and tags.
- 4 Putting tags on the image triggers the `handleLabels` **Lambda** function, which populates an **Amazon DynamoDB** table with the tags.
- 5 When the object file is finished uploading, the `processObject` **Lambda** function is triggered. If the object resides in a folder along with image files, the top 5 tags from the image files are applied to the object.
- 6 The `handleLabels` **Lambda** function populates the `LabelMetadata` table with the tags and metadata attached to files stored in the **S3** bucket.

