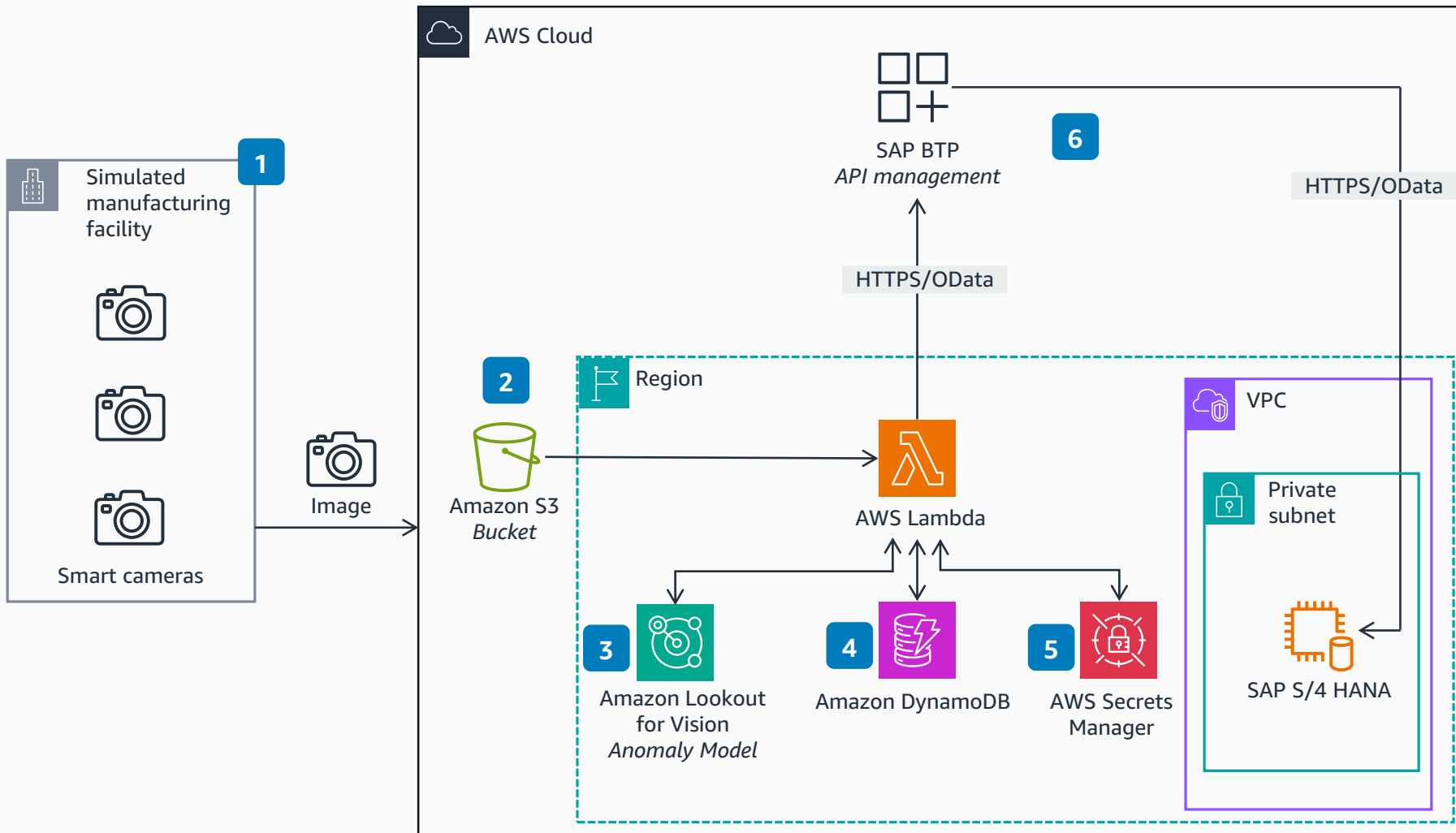


Guidance for Amazon Lookout for Vision with SAP Quality Management

This architecture diagram shows how to monitor product quality using services and features such as Amazon Lookout for Vision and SAP Quality Management.



- 1 Smart cameras at the end of every assembly line capture images of products and push these images to an **Amazon Simple Storage Service (Amazon S3)** bucket.
- 2 **Amazon S3** holds the images for model inference. You can schedule or invoke an **AWS Lambda** function to start the inference.
- 3 The **Lambda** function calls the **Amazon Lookout for Vision** anomaly model to detect any visual inspection issues with the product.
- 4 If an anomaly is detected, the **Lambda** function accesses **Amazon DynamoDB** to find look-up information and prepare the payload for SAP Business Technology Platform (BTP).
- 5 The **Lambda** function accesses **AWS Secrets Manager** for credentials for the SAP BTP API.
- 6 The **Lambda** function calls the SAP BTP API management endpoint and records defects in the SAP S/4 HANA system. Optionally, SAP S/4 HANA can be hosted in a separate virtual private cloud (VPC) or even on-premises.

