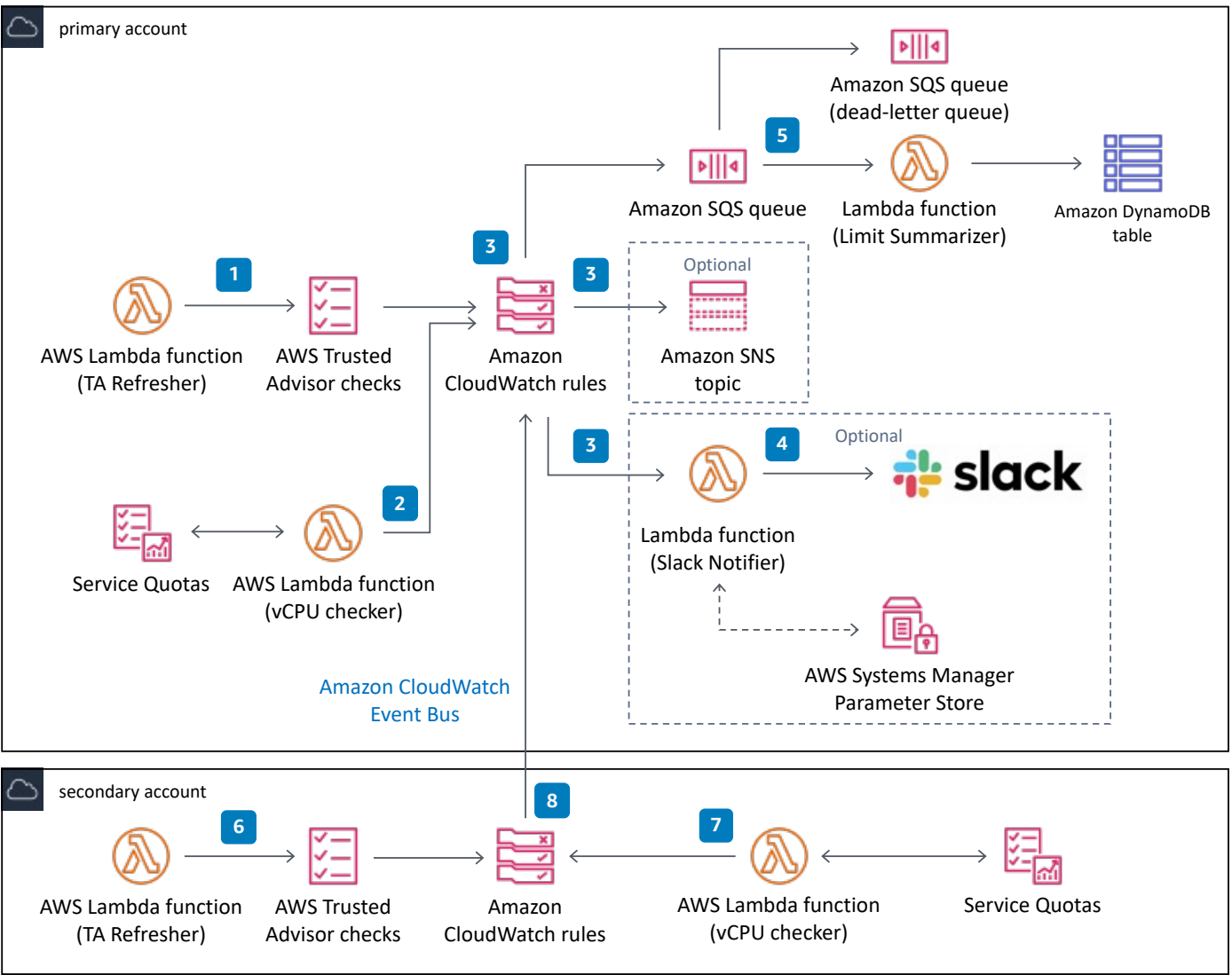


Limit Monitor

This solution helps you actively track your AWS resource usage to avoid unexpectedly reaching service quotas. To deploy this solution using the available AWS CloudFormation template, select **Get started with AWS**.



- 1
- An **AWS Lambda** function runs once every 24 hours. This function refreshes the AWS Trusted Advisor Service Limits checks to retrieve the most current utilization and quota data through API calls.
- 2
- A **Lambda** function that runs every five minutes to monitor **Amazon Elastic Compute Cloud** (Amazon EC2) virtual central processing unit-based (vCPU-based) quotas. The function checks **Service Quotas** to retrieve vCPU usage and quota data for every AWS Region.
- 3
- Amazon CloudWatch Events** captures the status events from Trusted Advisor and the vCPU monitoring Lambda function, and uses a set of **CloudWatch Events** rules to send the status events to all the targets you choose during initial deployment.
- 4
- If you activate Slack notifications, the solution launches a **Lambda** function that sends notifications to your existing Slack channel. An **AWS Systems Manager Parameter Store** is also deployed to provide storage for your Slack WebHook URL, which is used to send messages to the Slack channel.
- 5
- Amazon SQS receives all statuses and the Limit Summarizer **Lambda** function ingests the messages from the queue and stores them in the Amazon DynamoDB table for historical view of all quota related events in your accounts. The dead-letter queue stores all messages that couldn't be read by the Limit Summarizer function.
- The secondary template launches the following resources in a secondary account:*
- 6
- A **Lambda** function that refreshes the Trusted Advisor Service Limits checks in the secondary account.
- 7
- If activated, a **Lambda** function to check **Service Quotas** for vCPU quotas.
- 8
- CloudWatch Events** captures the status events from both functions and sends those events to the primary account using the **CloudWatch Events** Bus.