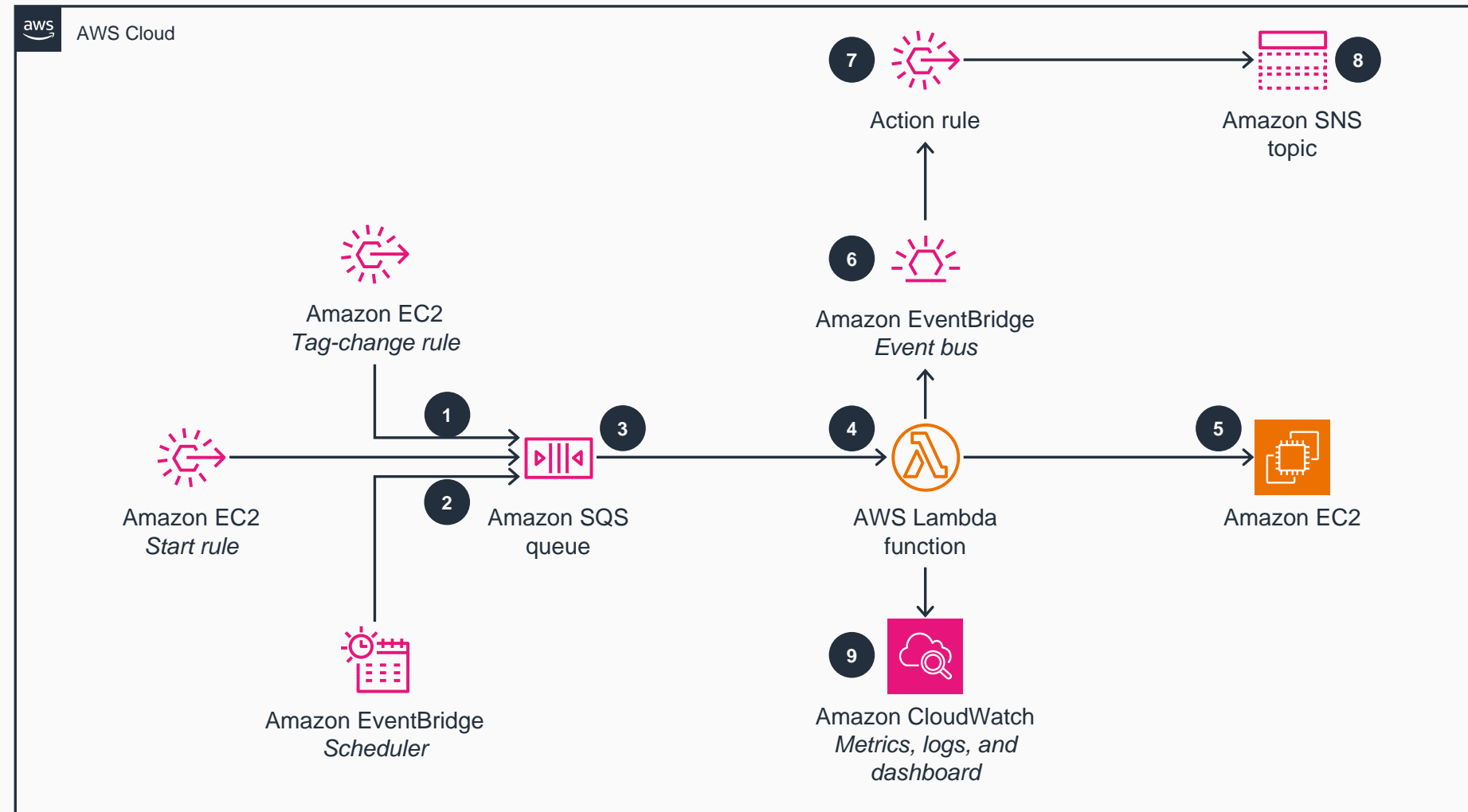


Guidance for Managing EC2 Instance Expiration on AWS

This architecture diagram shows how to terminate Amazon Elastic Compute Cloud (Amazon EC2) instances that have run or existed past the expiration values defined in their tags.



- 1** Amazon EventBridge rules send Amazon Elastic Compute Cloud (Amazon EC2) start and tag-change events to an Amazon Simple Queue Service (Amazon SQS) queue.
- 2** An EventBridge schedule sends an event to the Amazon SQS queue when an Amazon EC2 instance expires.
- 3** An AWS Lambda function consumes events from the Amazon SQS queue.
- 4** The Lambda function handles Amazon EC2 instance expirations and updates the EventBridge schedule for the next instance to expire.
- 5** Upon instance expiration, the Lambda function uses Amazon EC2 to stop or terminate the instance.
- 6** The Lambda function optionally emits action events regarding any actions taken on Amazon EC2 instances.
- 7** An EventBridge rule contains an event pattern to match action events and propagate them to targets.
- 8** An Amazon Simple Notification Service (Amazon SNS) topic can be used as a target of the action rule to generate administrative notifications.
- 9** The Lambda function sends metrics and logs to Amazon CloudWatch for observability, including through a CloudWatch dashboard.