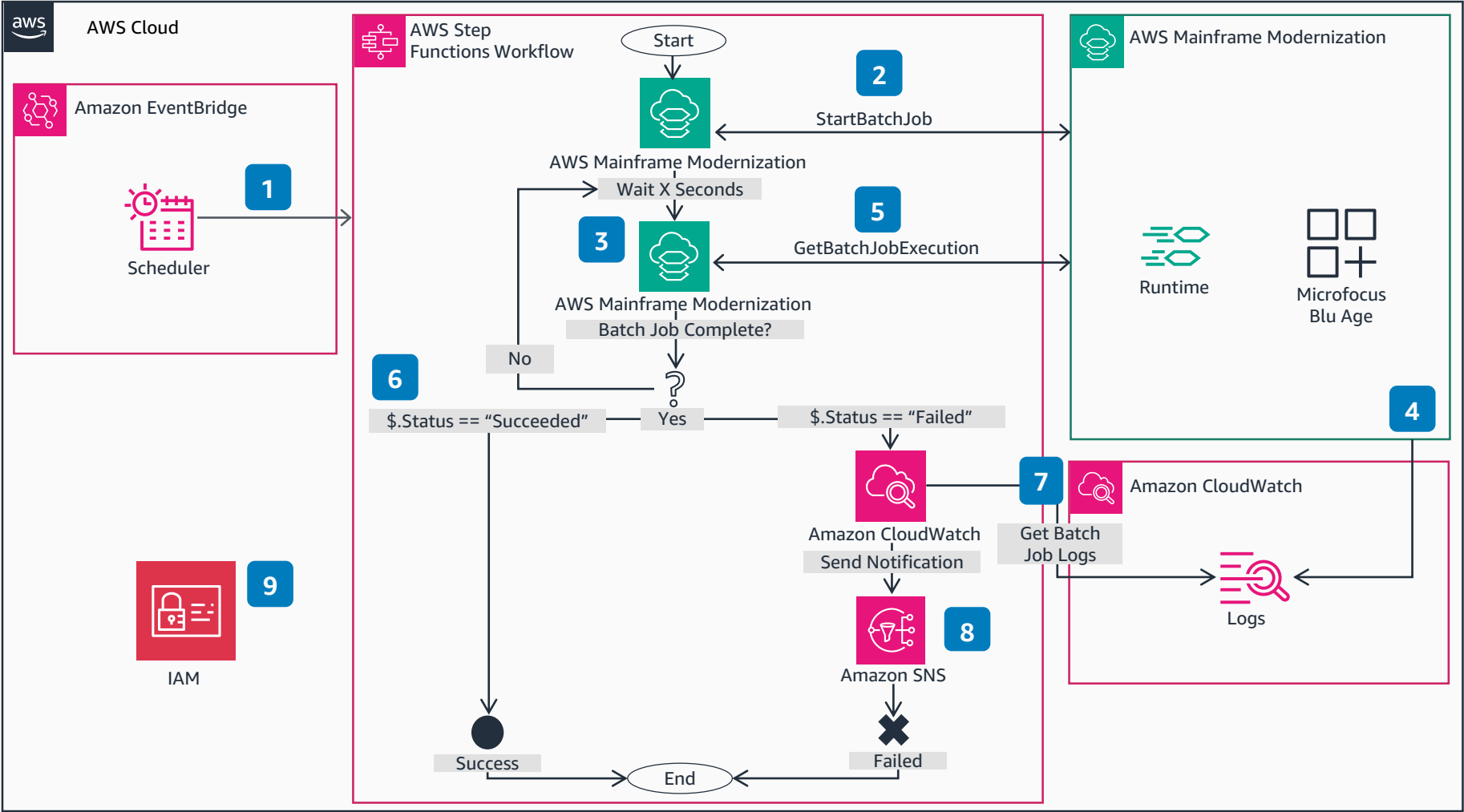


Guidance for Scheduling Batch Jobs on AWS Mainframe Modernization

This architecture shows the AWS Step Functions workflow for BatchJobExecution for a single batch job.



- 1 Amazon EventBridge scheduler invokes **AWS Step Functions** to implement the *Job Poller* pattern either as a single execution or as a recurring schedule.
- 2 Call the *StartBatchJob* API of **AWS Mainframe Modernization** to start the specific batch job by passing the *ApplicationId* and *BatchJobIdentifier*.
- 3 Wait a specified amount of time before checking the batch job execution status.
- 4 **AWS Mainframe Modernization** posts the *sysout* and other batch logs to **Amazon CloudWatch**.
- 5 Call API *GetBatchJobExecution* to check the status of the batch job.
- 6 Check the returned status of the job. If response shows "Succeeded," mark the state as Success.
- 7 If response shows "Failed," retrieve the batch job logs for users to triage the issue, and mark the state as Fail. Retrieved logs are available in the Output section of **Step Functions** on the AWS console.
- 8 In case of job failure, send a notification to the user.
- 9 **AWS Identity and Access Management (IAM)** controls the user and service access.

