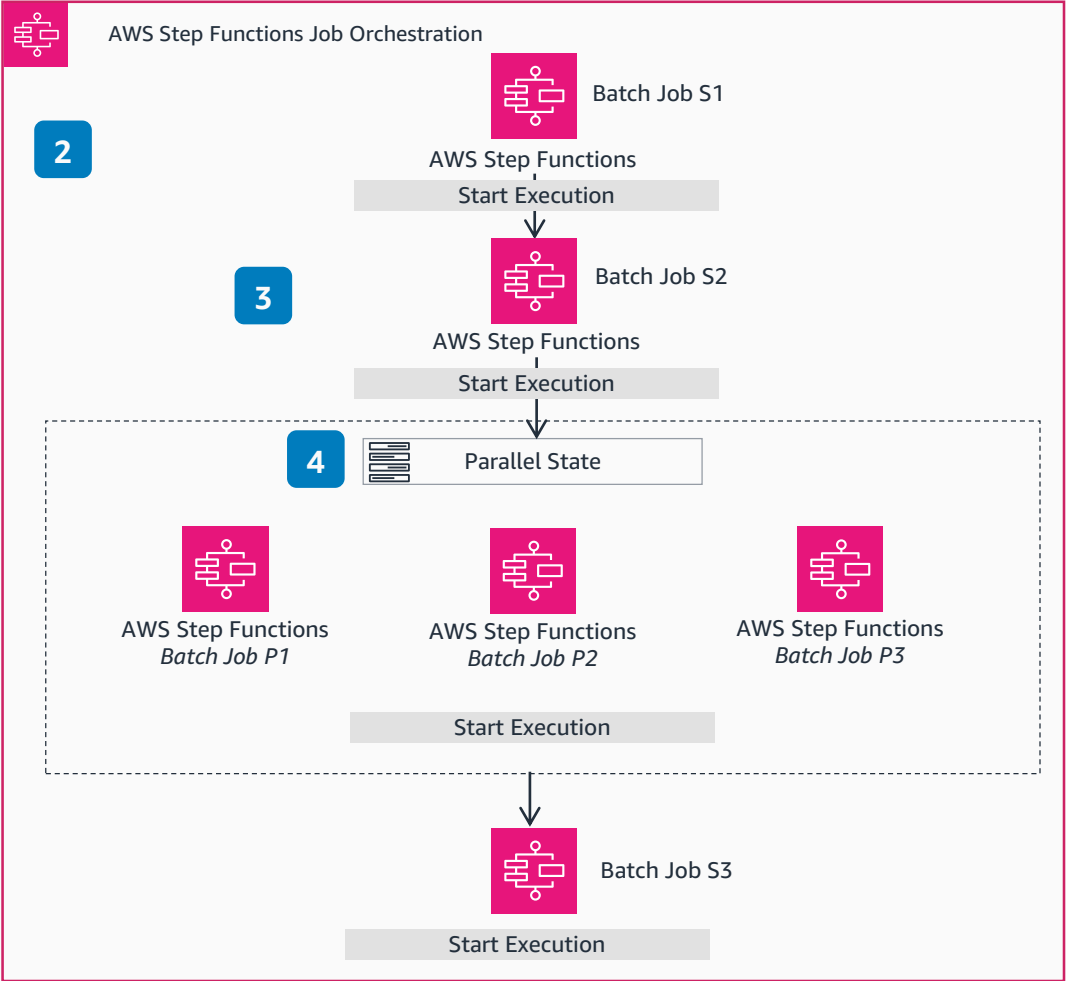
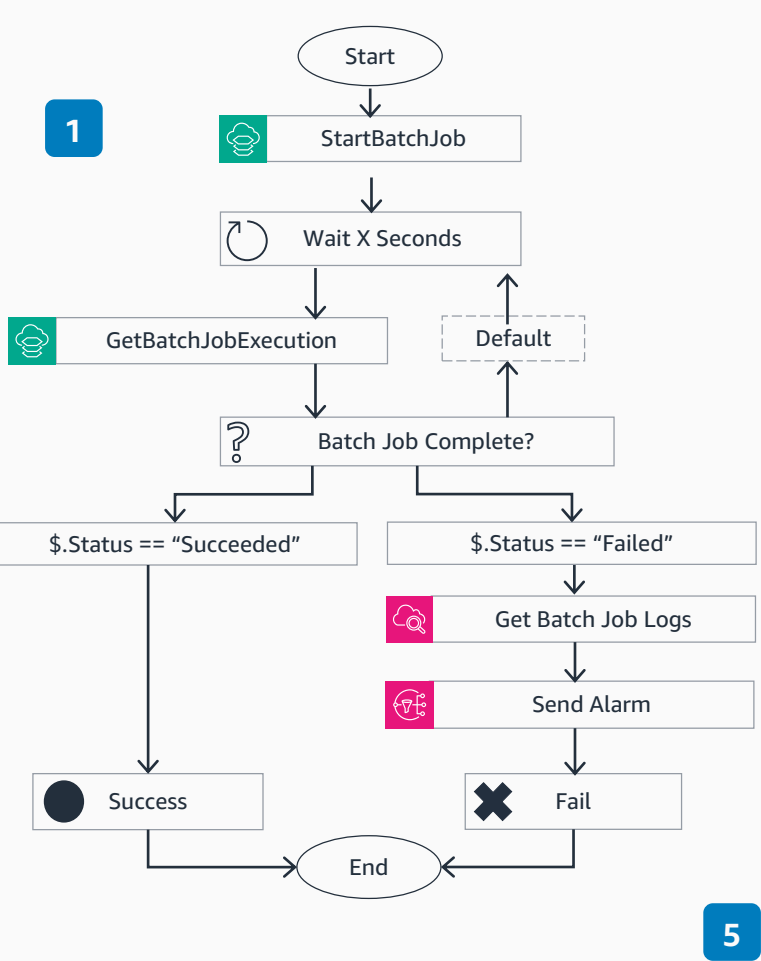


# Guidance for Scheduling Batch Jobs on AWS Mainframe Modernization

This architecture shows the AWS Step Functions workflow for JobOrchestration for multiple batch jobs.



- 1 The **Step Function** *BatchJobExecution StateMachine* performs the **AWS Mainframe Modernization** batch job execution using the Job Poller pattern. This includes actions such as *StartBatchJob*, *GetBatchJobExecution*, and *GetLogEvents*. Input parameters to the *StateMachine* include **AWS Mainframe Modernization** actions such as *ApplicationId* and *JobNameIdentifier*.
- 2 *JobOrchestration StateMachine* performs the *StartExecution* action. Each of the *StartExecution* actions will execute *BatchJobExecution StateMachine*. *ApplicationId* and *JobNameIdentifier* are set in the input parameters.
- 3 *StartExecution* actions can run serially.
- 4 Use "Parallel state" to define the jobs that can execute concurrently.
- 5 *BatchJobExecution* actions are triggered individually or as part of the *JobOrchestration* flow. Running the actions individually allows you to re-start or re-run any job if needed. For re-start, copy and modify the job flow to start from the next step as a one-time process once the failed job is re-executed separately.

