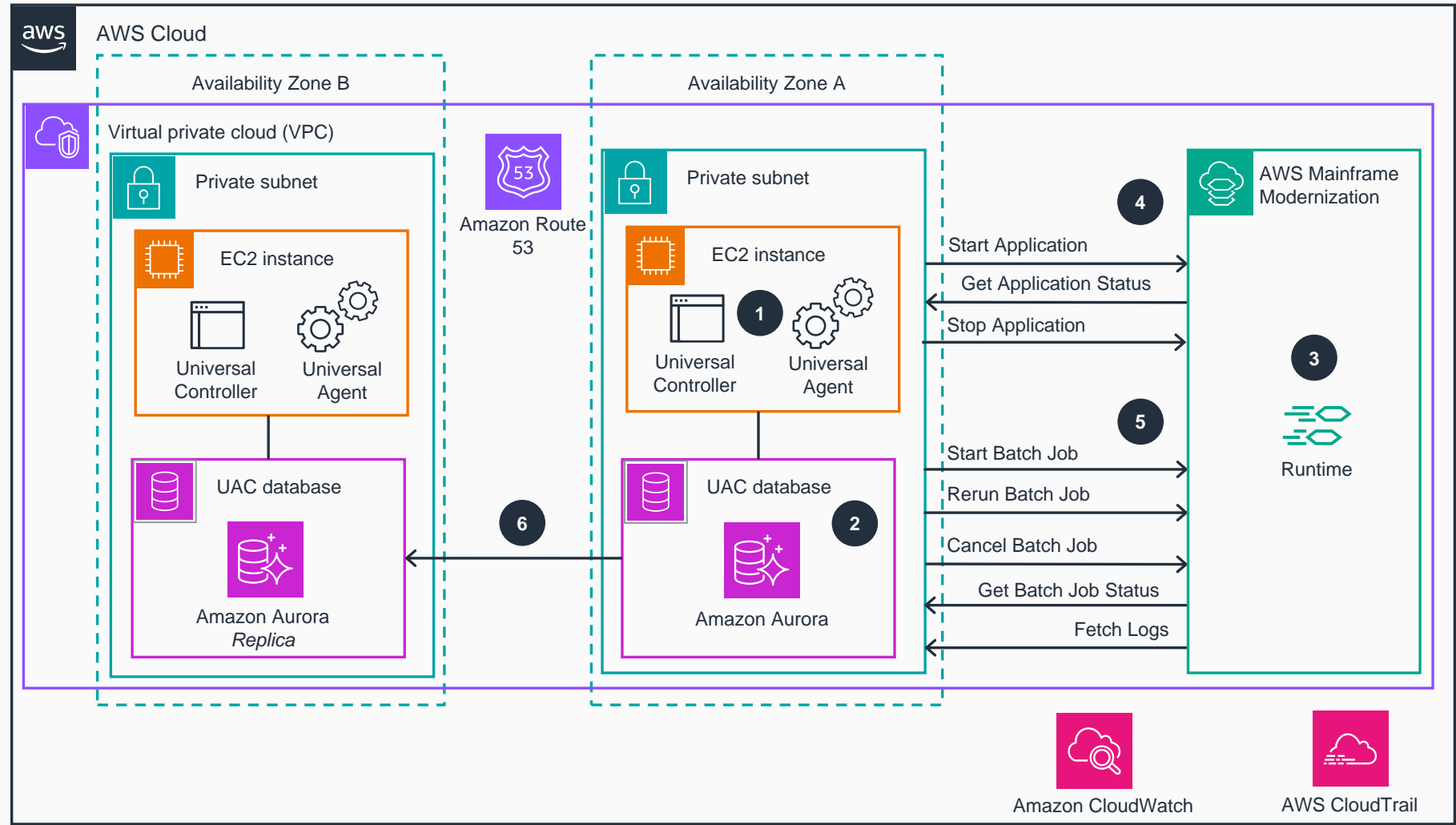


# Guidance for Integrating Stonebranch Scheduler with AWS Mainframe Modernization

This architecture shows how UAC scheduler orchestrates batch jobs and applications running in AWS Mainframe Modernization.



- Stonebranch Universal Automation Center (UAC)** includes two main components: Universal Controllers and Universal Agents.
- UAC Universal Controller uses the UAC database. The database can be MySQL, Microsoft SQL Server, or Oracle.
- AWS Mainframe Modernization** runs the modernized mainframe application.
- UAC invokes the application management APIs of **AWS Mainframe Modernization** to control application state. It does so by calling the following APIs: *StartApplication*, *StopApplication*, *GetApplicationStatus*, and *FetchLogs*.
- UAC invokes the batch management APIs of **AWS Mainframe Modernization** to orchestrate batch jobs within the application. It does so by calling the following APIs: *StartBatchJob*, *RerunBatchJob*, *CancelBatchJob*, *GetBatchJobStatus*, and *FetchLogs*.
- For high availability, UAC Universal Controller and UAC Universal Agent are installed in an **Amazon Elastic Compute Cloud (Amazon EC2)** instance of another Availability Zone (AZ). The UAC database uses an **Amazon Aurora** replica for availability on the other AZ. When one AZ goes down, **Amazon Route 53** makes the UAC components of the other AZ active.

