Step 2: Create an Amazon Kinesis Firehose Delivery Stream

Create a delivery stream that will be used to stream data from webserver to the S3 storage. In this step, the destination S3 is connected to the delivery stream.

Step 6: Create an Amazon Kinesis Analytics Application

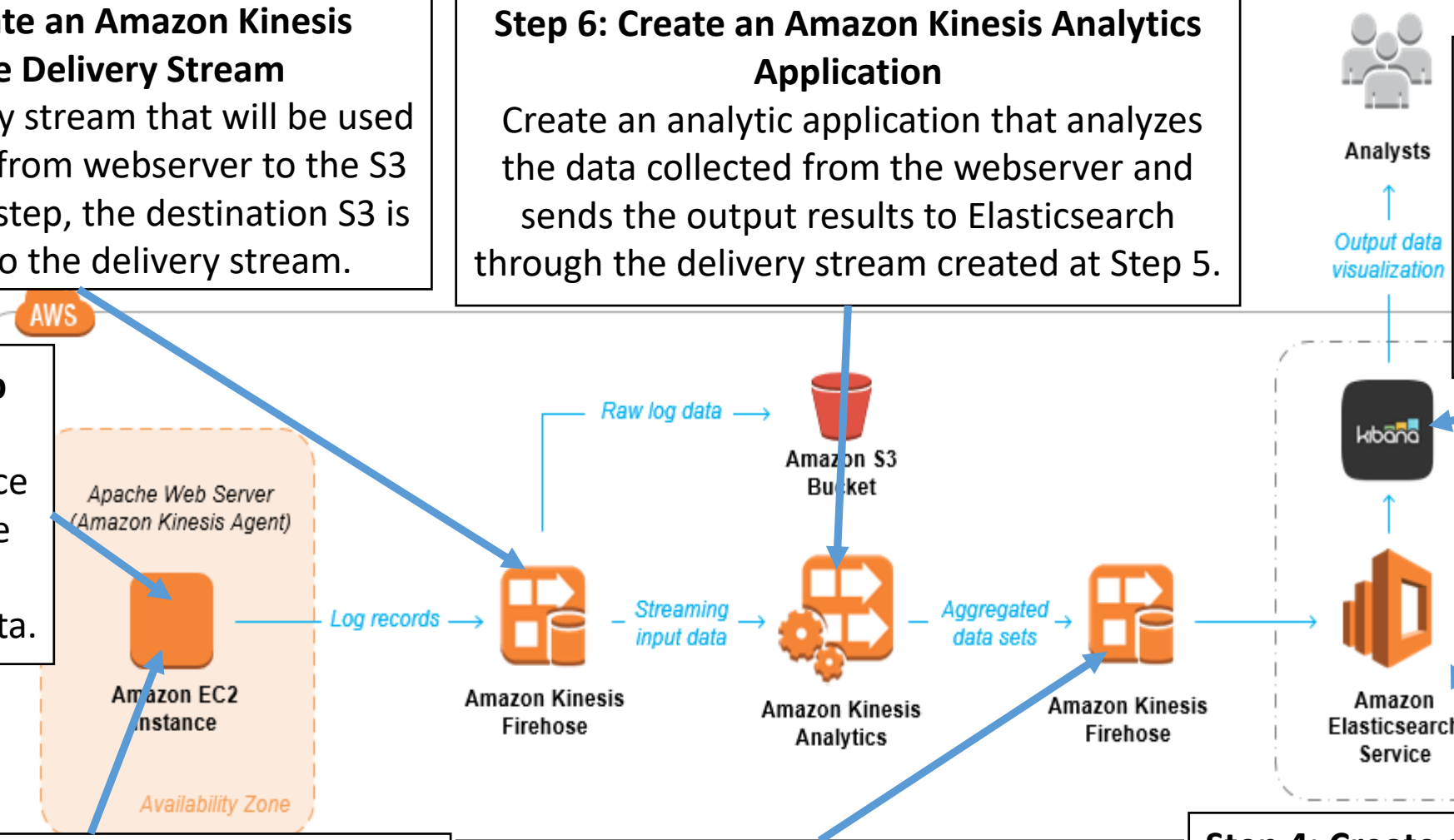
Create an analytic application that analyzes the data collected from the webserver and sends the output results to Elasticsearch through the delivery stream created at Step 5.

Step 7: View the Aggregated Streaming Data

View output on Kibana, a popular visualization and reporting tool.

Step 1: Set Up Prerequisites

Use EC2 instance to emulate the webserver to generate log data.



Step 3: Install and Configure the Amazon Kinesis Agent

Install Kinesis agent on EC2 instance and start sending data to S3 using the stream created in Step2. In this step, the source webserver is connected to the created delivery stream in Step 2.

Step 5: Create a Second Amazon Kinesis Firehose Delivery Stream

Create a delivery stream that will be used to stream data from the analytic application to the Elasticsearch service. At this step, it is connected to the Elasticsearch service.

Step 4: Create an Amazon Elasticsearch Service Domain

Create Elasticsearch service domain, which is a popular open-source search and analytics engine for use cases such as log analytics, real-time application monitoring, and clickstream analytics.