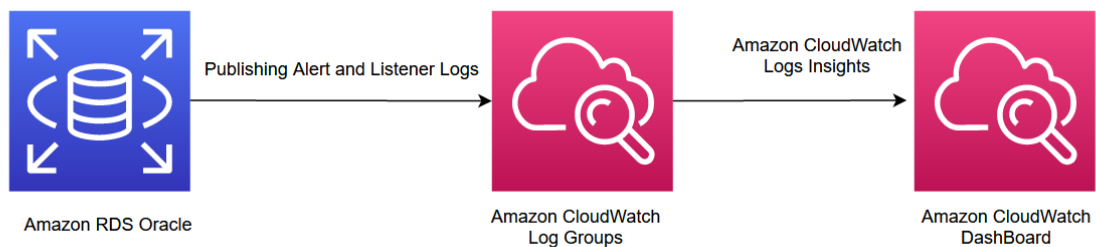




CloudWatch Logs Streams

As mentioned before, CloudWatch can be used to generate and aggregate logs in a central location using a sub-offering from CloudWatch called CloudWatch Logs, which allows us to organize logs pertaining to all of your systems, applications, and AWS resources all in a single, highly scalable service. A diagram of how CloudWatch logs can be integrated with existing AWS infrastructure is illustrated below using the example of RDS databases:



Amazon CloudWatch Logs Streams is an extension of CloudWatch Logs, and can be seen as Kinesis for logs, allowing sequences of log events from the same source to be streamed in **near real-time** into other services such as S3 or Elasticsearch (Amazon OpenSearch), allowing us to stay up to date on the happenings of our resources quite conveniently, a particularly useful tool for cloud administrators who can often mitigate and solve infrastructure disasters immediately. In fact, we can use the CloudWatch API alongside CloudWatch Log streams to better manage our AWS environment, creating a lambda function to say, re-establish the connection between our RDS and EC2 instance, triggering it whenever either faces an issue and has to restart.