It's time to put together everything you learned!

As part of this project, you will create a high-level architecture diagram that uses AWS service icons and arrows to depict an AWS solution for the given scenario. Create your diagram by using a tool like diagrams.net, or you can select a different tool by from the AWS Architecture Icons page by scrolling to the **Drawing and diagramming tools section**.

Scenario: You are working for a customer that runs their workloads on premises. Your customer has two workloads:

- A three-tier architecture composed of a frontend (HTML, CSS, JavaScript), backend (Apache Web Server and a Java application), and database (MySQL). The three-tier application hosts a dynamic website that accepts user traffic from the internet.
- A data analytics workload that runs Apache Hadoop. The analytics workload analyzes a massive amount of data that stored on premises and it also uses visualization tools to derive insights.

These components are currently running in the data center on physical servers. Currently, if a power outage occurred in the data center, all systems would be brought offline. Because of this issue (in addition to other benefits of the cloud), your customer wants to migrate all components to the cloud and, when possible, use AWS services to replace on-premises components.