Step 4: Propose Cloud Architecture for BallotOnline Deployment

Now that you have looked into cloud architectures, in this step, you will propose the cloud deployment architecture for BallotOnline, applying the knowledge of typical architectural elements of cloud deployment from the project's initial step. You will also consider trends and migration issues from a previous step. Your recommendation should consider the company's business requirements.

Recall that the company has an existing web application that it wants to move to the cloud, and also that the company wants to expand its business to other parts of the world. In earlier projects, you learned about and analyzed the IT business requirements for BallotOnline. Among them were demands for [application and data security](https://lti.umuc.edu/topic), data encryption, and separation for deployments overseas. Also, the application should handle load peaks during election times in different regions.

Specific technical requirements state that BallotOnline is a web application, written using the popular open-source LAMP (Linux, Apache, MySQL, PHP) software suite and the [PHP application](https://lti.umuc.edu/topic).

**Action Item**

Describe your proposed architecture by submitting a report with a drawing of the architecture (hand-drawn or computer-created) diagram and explaining its elements in the dropbox below.

There are some sample drawings here under [typical cloud architectures](https://lti.umuc.edu/topic) to give you an idea.

In the next step, you will begin researching the specific providers, starting with Amazon.