Abstract

The education system is about marking and grading system. It is important for students to have practical knowledge, profound thinking, and gain experience and insights different from the traditional or offline education system. As there are pros to offline education, there are cons as well. The offline education system provides a face to face interaction and a better understanding of the world. But apart from the traditional education system, education online is gaining more popularity and attention by many institutions and developers are working better to provide education online at ease. Applications like Byju use Amazon Web Services (AWS) as a cloud computing platform for learning purpose. Online education makes learning process better and conducting practical experience by creating virtual labs for students by scaling up the resources makes it easy for students to have their own hands-on experience using the cloud. Using cloud education saves IT infrastructure cost, and can have on-demand access to the resources needed or required for learning purpose. This paper discusses the cloud architecture implemented by universities using a cloud computing platform for students to have hands-on experience and access to the virtual lab resources that universities fail to provide because of
the cost factor. The paper focuses on the private cloud and Infrastructure as a Service (IaaS).

**References**


**Index Terms**

Computer Science Distributed Systems

**Keywords**