**Recent Trends in Cloud Computing: Services and Applications**

***Prof. El-Sayed M, El-Horbaty***

*He*ad of Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt

**Abstract**

A distributed system is one in which hardware or software components located at network computers communicate and coordinate their actions only by massage passing. Distributed computing is an activity performed on a spatially distributed system. Cloud computing is an emerging trend of distributed computing. Our goal is to illustrate some of the most popular services and applications that provide by cloud computing. Also discuss the challenges and risks of cloud computing environment. Cloud computing can offer different categories of cloud services such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). Cloud computing can reduce the cost of delivery of both services regardless of the differences in the type of application and demand profile. There are many trends of cloud applications such as Healthcare cloud computing, Banking cloud computing, and Mobile cloud computing.