

Issues and Challenges in Cloud Computing

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Abstract

Cloud Computing is a set and architecture of cloud services through the internet on demand and pay per use. In the IT industry, cloud computing continues to gain more momentum. More issues and challenges are reported by researchers and practitioners. In this paper, we are going to focus challenges and issues in cloud computing. We identify the challenges from the cloud computing and highlight the Cloud issues that needs substantial further research and development.

Keywords: Cloud Computing, Issues, Challenges.

Introduction

For years, the Internet has been represented on network diagrams by a cloud symbol until 2008 when a variety of services started to emerge that permitted computing resources to be accessed over the Internet termed cloud computing. Cloud computing encompasses activities such as the use of social networking sites and other forms of internet computing; however, most of the time cloud computing is concerned with accessing online software applications, storage and processing power. Cloud computing is a way to increase the capacity or add capabilities dynamically without investing in new infrastructure, training new personnel, or licensing new software. It extends Information Technology's existing capabilities. In the last few years, cloud computing has grown from being a promising business concept to one of the fast growing segments of the IT industry. But as more and more information on individuals and companies are placed in the cloud, concerns are beginning to grow about just how safe an environment it is. The greatest challenge issue of cloud computing is depicted in Figure 1.