

Study of Security Issues in Public Clouds

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Abstract

Security is one of the major issues which hamper the growth of cloud. Security is provided to the data present in cloud computing. Cloud computing is a set of services provided on leased basis over the network according to their service requirements. So, in this paper we discuss about security issues that provides security to the public clouds.

Keywords: Public Cloud, Security, Cloud Computing, Issues.

INTRODUCTION

The most widely accepted current definition of cloud computing is what the NIST (National Institute of Standards and Technology) developed:

Cloud Computing – A model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications and services) that can be rapidly provisioned and released with minimal management effort and service provider interaction.

Cloud Computing allows smaller organizations to employ IT services that would have been expensive to implement due to high up-front infrastructure costs. Public clouds have been promoted as an approach for organizations to reduce previously information technology (IT) costs and increase technology flexibility and scalability. Companies can implement IT solutions faster in a public cloud because they do not have to spend time creating and configuring the technology environment. Larger organizations, already familiar with remote computing operations, gain flexibility and scalability by utilizing cloud services or implementing public clouds to consolidate IT resources.