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## Cloud Computing: An Analysis on Round Robin Technique

*Proceedings of 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2018 held at Malaviya National Institute of Technology, Jaipur (India) on March 26-27, 2018*

5 Pages

Posted: 3 May 2018

Shubhra Saxena

Srikalahasteeswara Institute of Technology (SKIT)

Khushboo Saxena

Oriental Institute of Technology

Jayanti Goyal

Kanoria PG Mahila Mahavidyalaya

Seema  
Principal

Kanoria PG Mahila Mahavidyalaya  
JAIPUR

Shubhra Saxena

Srikalahasteeswara Institute of Technology (SKIT)

Khushboo Saxena

Oriental Institute of Technology

Jayanti Goyal

Kanoria PG Mahila Mahavidyalaya

Akash Saxena

Srikalahasteeswara Institute of Technology (SKIT)

Date Written: April 20, 2018

## Abstract

Cloud computing (CC) performs calculation over a collective and huge group of resources for the dispersed environment. It calculates the resources using applications, processing power, storage etc. As its practical use in the day to day life, it grabs much more attention for the research in academic and industry. CC gives various advantages, including lessened IT costs, adaptability, expanded collaboration, and so forth. Nonetheless, the approach of CC has represented an assortment of new difficulties for both cloud clients and cloud specialist sources. With increasing attentiveness and apprehensions considers to CC and Information Security, there is increasing awareness and practice of Security Algorithms into procedures and Systems of records. As recognized by study, numerous of the

Jeem  
Principal  
Kanoria PG Mahila Mahavidyalaya  
Kanpur

## Cloud Computing: An Analysis on Round Robin Technique

Shobu Saxena, Asst. Prof., SKIT Jaipur, India

Anamika Goyal, Asst. Prof., Kanoria PG Mahila Mahavidyalaya Jaipur, India

Rashmi Saxena, Asst. Prof., Department of computer science & Engg., Oriental Institute of Science & Technology Bhopal, India

Ansh Saxena, Department of Computer Science & Engg., Compucon Institute of Information and Management Jaipur, India

**Abstract:** Cloud computing (CC) performs calculation over a collective and huge group of resources for the dispersed environment. It calculates the resources using applications, processing power, storage etc. As its practical use in the day to day life, it grabs much more attention for the research in academic and industry. CC gives various advantages, including lowered IT costs, adaptability, expanded collaboration, and so forth. Nonetheless, the approach of CC has represented an assortment of new difficulties for both cloud clients and cloud specialist sources. With increasing attentiveness and apprehensions consider to CC and Information Security, there is increasing awareness and practice of Security Algorithms into procedures and Systems of records. As recognized by study, numerous of the concerns dealing with the CC want to be resolved immediately. The industry has prepared important programs in reducing threats to CC, but there is additional to be done to attain a level of maturity that presently exists with conventional on-premise hosting.

**Index Terms**—Cloud Computing, Load Balancing, Deployment Models, Cloud Services and Security Algorithms.

### 1. Introduction

CC is a kind of conveyed computing model established in various advancements, for example, virtualization, network, benefit and autonomous computing. Cloud computing innovation enables clients to get solid computing and necessary assets and in the meantime, user isn't keen on area and settings of these assets. Utilizing mentioned benefit [1], [2]:

**1.1 Resource Discovery:** Between the group of cloud resources, the one which fulfills the solicitations is chosen.

**1.2 Load Balancing:** Every host probably balanced workload to make sure that hosts should not be over-utilized nor under-utilized.

With help of cloud computing resource of software and hardware could be shared reasonably to avoid shortcomings of knowledge redundancy occurred in early distributed network [3].



Figure 1 Cloud Computing

### 2. Characteristics of cloud computing

Relying on an task computing resource is superior gained with strategy based option and less IT upgrades are necessary arranged purposeful for execution (no losses). Virtualization technology allow server and storage space devices to be shared and use be improved. Reliability is prevalent if different unneeded destinations are utilized, that construct all around composed distributed computing ideal for business coherence and debacle Resilience. Function is checked, and solid and loosely coupled models are made above web administration since the framework interface [4].

**2.1 On demand self service :** A purchaser will singularly circumstance computing capacity, for example, server time and compulsory storage items, as compulsory automatically, even if not require human interaction with every service's supplier.

**2.2 Resource pooling :** It currently couple of customers through a multi-tenant model, through absolutely divergent physical [4].

**2.3 Rapid elasticity :** Capacities are normally brick and flexibly provisioned, in first cases naturally, to rapidly scale out, and expediently allowed to rapidly scale in. To the purchaser, the limits offered for provisioning typically appear to be boundless and may be acquired in any sum whenever.



Fig.2. Characteristics of Cloud computing

*Shobu*  
**Principal**  
 Kanoria PG Mahila Mahavidyalaya  
 JAIPUR