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Review of Techniques used to Handle Malcious Activities Present with in Advanced Computing System

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Abstract:
Intrusion detection system is employed in order to tackle malicious nodes within the advanced computing system. Nodes detected as malicious can be blocked from the system. The intruders are nodes performing malicious activities like traffic jams, multiple identity attacks, Distributed Daniel of service attack etc. the performance degrade considerable through the intruder within the system. In order to overcome this problem, intrusion detection system is employed. This literature provides comparative analysis of techniques used to provide performance enhancement through detection of intruder within advanced computing systems.

Keywords: Intrusion Detection System, Malicious nodes, Traffic Jams, Multiple Identity Attacks, Distributed Daniel of service attack

I. INTRODUCTION

[1], [2]The Advanced Computing is most widely used in order to connect million of people together. The advanced computing is used in order to eliminate the distance that exists between the users. It is a means by which user share emotions and share useful information as well. The commonly used Advanced Computing is generally divided into following categories.

Figure.1. Types of Advanced Computing

Personal Network

[3], [4]these types of networks are used in order to gather the information about the user and store it at one place. The information which is stored will be shared among the specified users only. The unauthorized user cannot participate in such network. The example of such network will be FACEBOOK, Hoot suite etc.

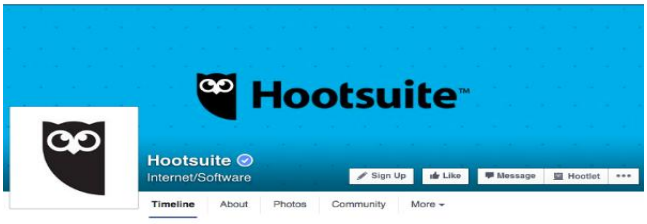

Figure.2. Example of Personal Network

This type of network also allow user to interact with the brand on a personal level. The information which is given to the user will not be visible to the other users. Hence security is also considered in this case.

Media Sharing Network

[5], [6] This type of network focuses on the sharing of graphical information. In most cases the textual information is shared among the user. The textual information is not that integrative. So in order to solve the problem graphical information is provided to the user. The sites like Face book, Twitter etc share information on through text but sites like YouTube share media in the form of video. Hence the popularity of YouTube is increasing day by day.

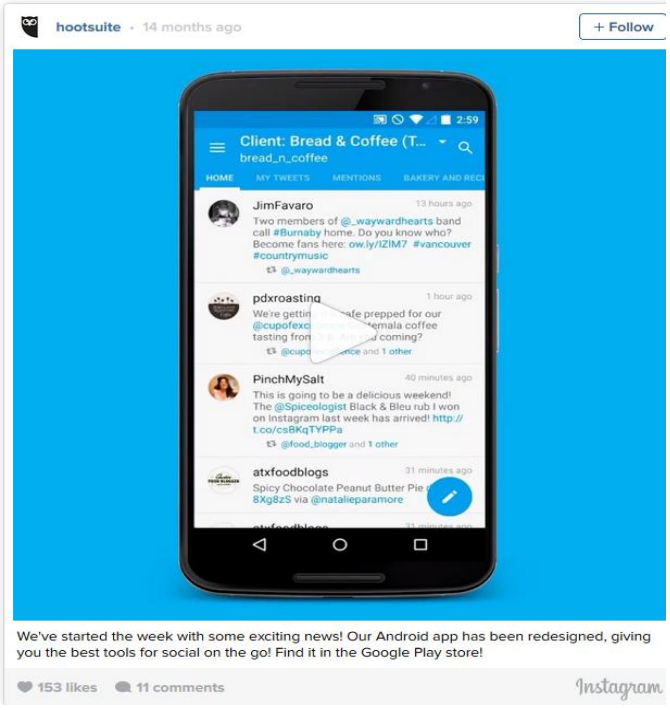

Figure.2. Media Sharing Network

When determining whether or not your business needs to establish a presence on a media sharing network, it's important to consider your available resources. If there's one thing the most successful brands on platforms like YouTube or Instagram have in common, it's a thoroughly planned mission and carefully designed media assets,

Online Review

The online reviews are conducted in order to provide user with the advantage of deciding which product to buy and from which site. The Online user reviews will indicate the performance of certain site and product. By looking at the reviews user can decide to buy the product or not. The reliability of the product can also be decided by looking at the reviews. There are number of websites which provides information about the performance of the product and website. The reviews are managed by Online Reputation Management authority.

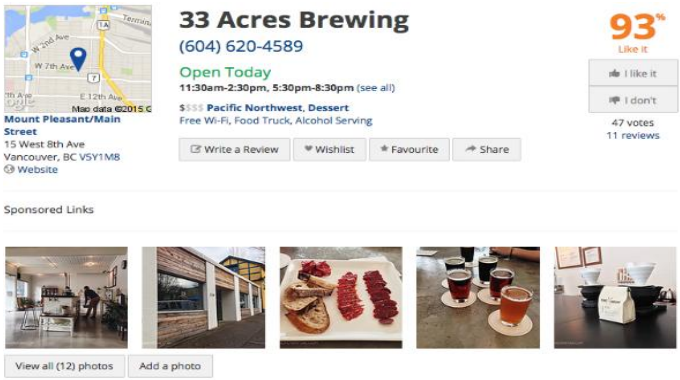

Figure.3.Online Review Demonstration

Discussion Forum

Discussion forums are one of the oldest types of Advanced Computing. Before we connected to our first university friends on The Facebook, we discussed pop culture, current affairs, and asked for help on forums.

Perhaps it's that unquenchable desire to get a share of collective knowledge that accounts for the wide reach and numerous users on forums such as reddit. "The front page of the Internet," as well as other forums like Quora and Digg, seldomly require the person's real name to register and post, allowing for complete anonymity, if desired.

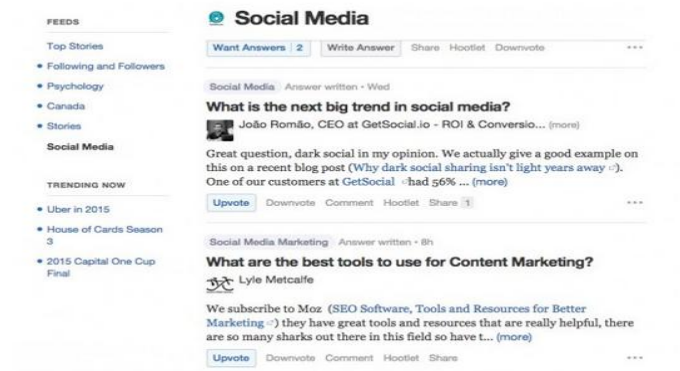

Figure.4. Discussion Group

[7]–[10]Intrusion detection is base for all the advanced computing mechanism. Malicious users form the groups and then attackers perform the operation of distraction in the form of deception. Following structure illustrate concept of distraction in advanced computing.

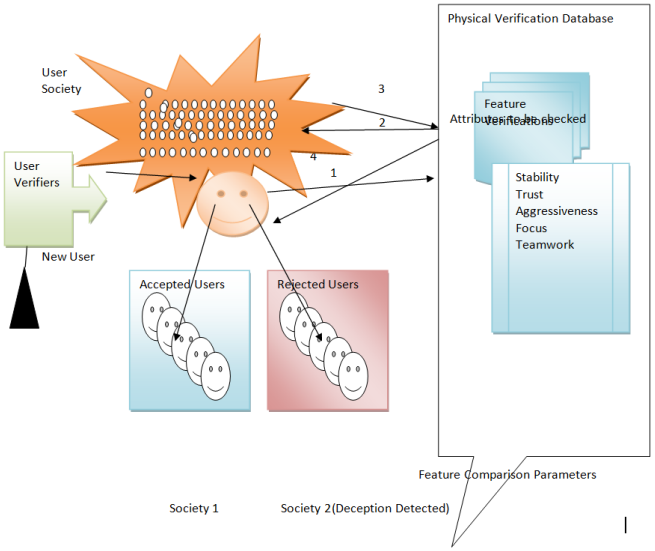

Figure.6. Model for intrusion detection within Advanced Computing

COMPARIOSN IN TERMS OF SECURITY PARAMETERS

Table.1. Showing the Difference in terms of various techniques of security

Parameter	Deffie Hellman	Digital Signatures	AES
Access Rights	Not Defined	Defined	Not Defined
Roles	Defined in terms of private and public Keys	Not Defined	Defined in terms of Public keys
Authorization	Provided in terms of Keys	Provided in terms of Signature	Provided in terms of Public keys
Data Portability	Yes	No	Yes
Fail Over and Back Up	Encrypted file Backup With Private key	Back up without encryption	Back up with public key

Table 1: Showing the difference in terms of various techniques of security.

II. CONCLUSION AND FUTURE WORK

The proposed literature describes the deception mechanism available in advanced computing schemes. The schemes available to tackle attack involve deffie hellman, digital signatures and AES techniques. This literature indicates that Deffie hellman is supposed to be the best technique that could be enhanced and merged along with cloud computing to detect intrusion within the System.

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