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A Novel Text Mining Solutions for Categorizing Encoding Web Content Traffic

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Abstract: ***Mobile messaging applications are more precious and useful, its plays major role in remote grid and fast increasing with concerning creating Internet traffic. Such traffic when Analyzed indicates various helpful bits of knowledge. Mainly encrypted grid traffic initialized from MMAs is an imperative area of study. As per category of data service and usage of factors its sufficient to service providers to take valuable decisions to Based on the category of service and the usage dynamics, it is possible for the service providers to make intelligent decisions in order to develop consumer satisfaction. The categorization of this remote grid data traffic into various types of app Usages of services will use effective remote grid management, for instance organizing remote grid bandwidth budget and also it's provides Qos.MMAs are uses HTTPS and SSL to send data through grid. In this paper we analyze how to utilize encoding grid data traffic for categorizing in app services usages .particularly, we implement a novel system, called CUMMA, for categorizing service usages of mobile messaging Apps by together modeling consumer behavioral patterns, grid data. So that, initially segment in hierarchical way grid data traffic from grid data traffic-flows into sessions as with a more of dialogs. We analyze this data traffic in grid into two models one is packet length and another one is time delay. This is a research paper implement novel effective mechanism for categorizing of such grid traffic in order to contain service utilization with consumer behavior .So we Generally the type of data is in mobile messaging apps is text, picture, audio note, stream video call, location sharing, short video, news feed, and outliers of various types. Our analyzing proposed results expose the efficientness of the new methodology.***

Keywords: textmining, Network traffic, CUMMA, Mobile apps,

I. INTRODUCTION

Nowadays in world wide mobile messaging apps plays key role in mobile grid. So some apps are We Chat and WhatsApp. The mobile users uses this messaging apps for different activities they treated as hub this messages apps .This messages app interface will use share photos among two parties and text, make conversation, and also this messaging apps connect with some marketable activities for instance various transactions. Different companies belongs to mobile provides they services in mobile apps. So hear We have a problem with analytics in service usage for mobile messaging apps.This main serious pattern for business development. This service usage in messaging apps helps to end users of mobile users it's defining different applications. For in case, it presents in-depth approaching into end users and App performances, improves user experiences, and enhances meeting, translations and monetization. Categorize traffic of messaging Apps into verity usage types on the other hand, service usages to categorize traffic of messaging Apps into verity usage types as shown in below table. current implemented process for information stream categorization rely on packet checking by estimate the TCP or UDP port values of an IP packet or recreating procedure signatures in its payload [16], [20], [29]. Users calculate approximately the usage types of data flow

TABLE 1: characteristic of messaging types
Usage Type
1 text
2 picture
3 audio note
4 stream video call
5 location sharing
6 short video
7 news feed
8 outlier or unknown mixture of usages

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By suppose same port values are used in messaging apps to transmitting data but this port values are visible in the heders TCP,UDP.So our challenge and emerging is examine or chek content belongs to IP packet. Here unpredictable port values are used in messaging apps.mobile users also can encrypt the data which is they want to send.For instance, messaging Apps are progressively more utilizing changeable port values. Also, clientele can encrypt the information of packets. In addition, governments have forced protection directions which constrain the capacity of outsiders to legally review packet substance.

We implement a novel text mining solutions for categorizing encoding web content traffic produced by messaging apps to various service usage types to address above challenges .Figure 1 demonstrates a persuading case about how would we arrange WhatsApp and WeChat Internet traffic and recognize the relating usage types. Note that the traffic designs of these chose uses in WhatsApp are like those in WeChat. In fact, the web traffic information of mobile messaging encode the one of a kind examples of both client practices and in-App uses. we analysed the grid traffic in figure.

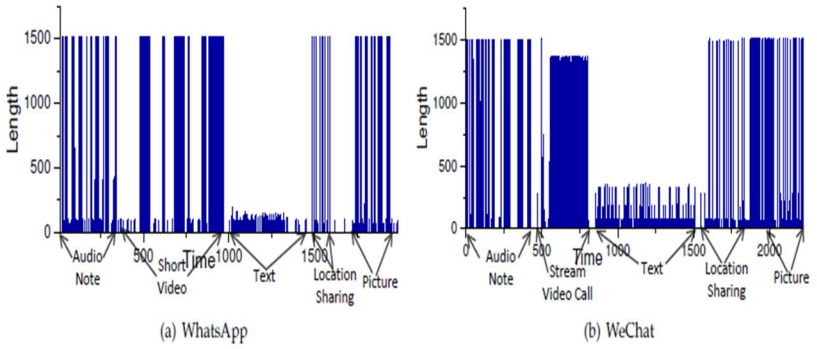


Fig. 1: Example traffic flows of consequent service usages of WhatsApp and WeChat.

These patterns could be a source of high knowledge for categorizing service usages. Besides, from the security and protection point of view, the fundamental issue we use is that present PPT the substance of a packet , while they do not check the detection of grids data packets patterns that in its place may expose some sensitive data about the user's favorites and performance

II. RELATED WORKS

This area provides review of previous literatures and working process. In this session we analyzed encrypted and common data traffic with respect to time segmentation. Intial examination on encrypted grid data traffic based on data packets. In this TCP, UDP related Application in grid world. Main issue in that usage classification based on port values is very complex with unexpected values. Then after numerous researchers came to analyze with the help of payload type of techniques. In that contains a information and data of application gathered from IP data packets so as to categorize the grid data traffic. These techniques will have a drawback that is issue in processing data in grid. Next phase application Naive Bayes type of techniques used with contain various layers of Bayesian neural grid and SVM to binary categorization.. Sometimes suddenly unidentified applications grouping tequniques are applied in grid traffic. So to purpose of classification they will produce application oriented class labels. Some algorithms like clustering algorithms of data mining are K-Means clustering algorithm, DBSCAN for spatial data clustering, Auto Class. Mobile user activities analysis is characteristically based on huge consumer digital footprints, that as voice calls and SMSs, video and audio, and Apps usage. Our effort is nearly associated to in-App usage analysis. Another author Flaky introduced, tradition logging tool to examine App utilization activities, and Initiated that the activities of users using mobile Apps are considerable diverse.. The process of segmentation process will use exact anlysis with time –series information for decrease of dimensionality. Another one int, Xu et al. [35] introduces a topic collected data and analysed grid traffic and distribute that traffic from apps by exposing identifications from HTTP Recent proposed methods for data flow categorization rely on packet checking by evaluate the TCP or UDP port values of an IP packet or recreating protocol signatures in its payload [16], [20], [29].. users calculate approximately the usage types of data flow By suppose same port values are used in messaging apps to transmitting data but this port values are visible in the heders TCP, UDP. So our challenge and emerging is examine or chek content belongs to IP packet. Here unpredictable port values are used in messaging apps. mobile users also can encrypt the data which is they want to send. For instance, informing Apps are progressively utilizing flighty port values. Additionally, clients may scramble the substance of packets. In addition, governments have forced protection directions which constrain the capacity of outsiders to legally review packet substance.

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III. PROBLEM DEFINATION

Current implemented process for information stream categorization rely on packet checking by estimate the TCP or UDP port values of an IP packet or recreating procedure signatures in its payload [16], [20], [29].. Users calculate approximately the usage types of data flow . By suppose same port values are used in messaging apps to transmitting data but this port values are visible in the heders TCP,UDP.So our challenge and emerging is examine or chek content belongs to IP packet. Here unpredictable port values are used in messaging apps.mobile users also can encrypt the data which is they want to send. For instance, messaging Apps are progressively more utilizing changeable port values. Also, consumers possibly will encrypt the information of packets. In addition, governments have forced protection directions which constrain the capacity of outsiders to legally review packet substance.

A. Disadvantages

1) In this messaging apps are using secure protocols to provide secure purpose and to transmit data so this requires major challenges on the performances of service custom categorization by data inspection.
2) Port based techniques suffer to the implementation of changeable port values in further applications.
3) Grid traffic problem occurred
4) Packet delay

IV. METHODOLOGY

We implement a novel text mining solutions for categorizing encoding web content traffic produced by messaging apps to various service usage types to address above challenges .Figure 1 demonstrates a persuading case about how would we arrange WhatsApp and WeChat Internet traffic and recognize the relating usage types. Note that the traffic designs of these chose uses in WhatsApp are like those in WeChat. In fact, the web traffic information of mobile messaging encode the one of a kind examples of both client practices and in-App uses.

A. Advantages

1) We can reduce grid traffic
2) We can increase packet delivery ratio
3) Reduce time delay process
4) System performance will be more

V. CONCLUSION

In this implement a novel text mining solutions for categorizing encoding web content traffic produced by messaging apps to various service usage types to address above challenges .Figure 1 demonstrates a persuading case about how would we arrange WhatsApp and WeChat Internet traffic and recognize the relating usage types. Note that the traffic designs of these chose uses in WhatsApp are like those in WeChat. In fact, the web traffic information of mobile messaging encode the one of a kind examples of both client practices and in-App uses.

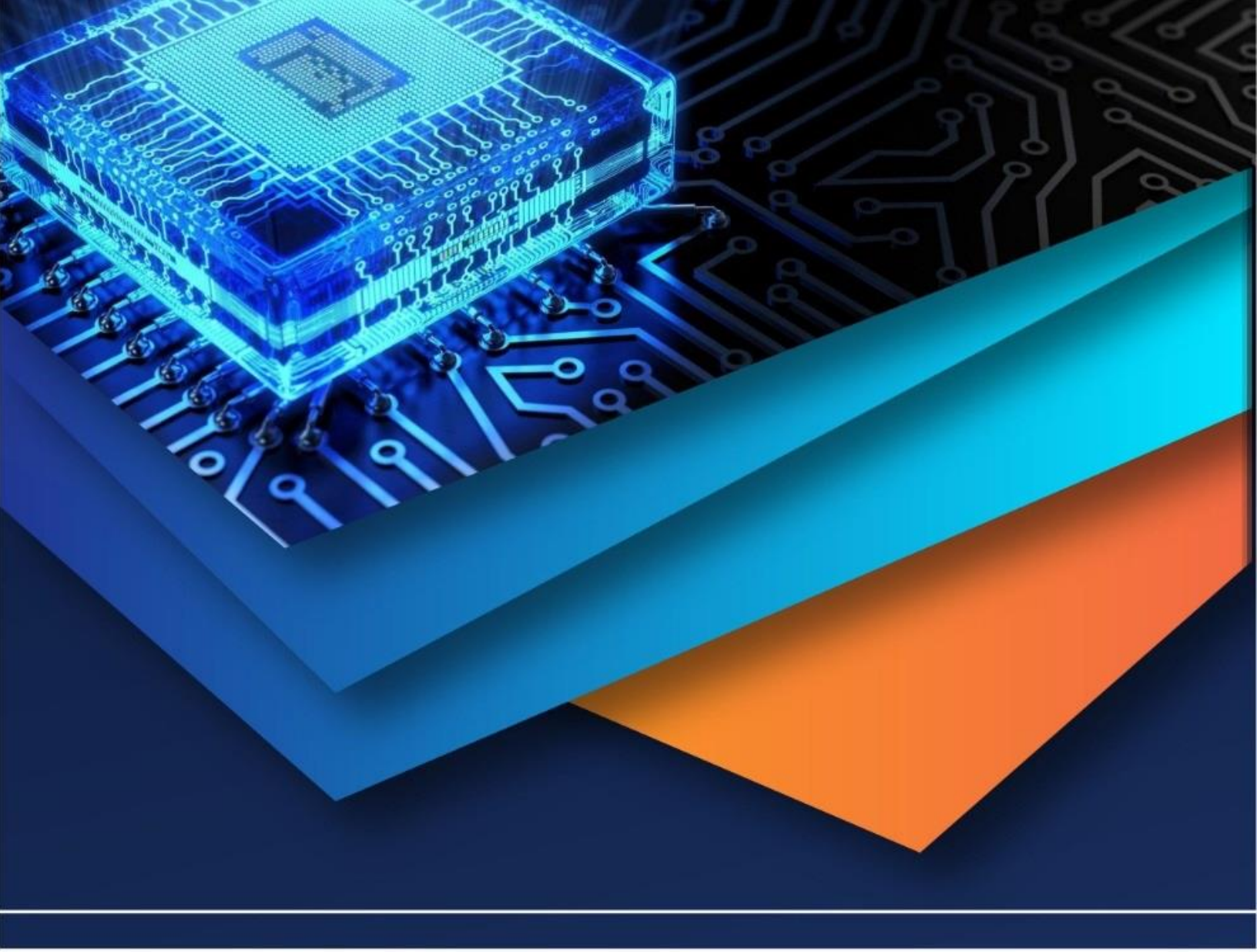
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