

Novel Method on Cloud Computing for Detecting and Preventing Data Leakage using MD5 Algorithm

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Abstract—

Now a days world we've many problems and problems in internet security and privacy for records protection from attacker. We use internet in traveling, E-Commerce website, social media, banking, have a look at and so forth. But we regularly face the issues with the privateness of the network system and personal statistics. To accommodate this boom in application and information complexity, net offerings have moved to a multi-tiered layout in which the web server runs the utility front-quit common sense and records is outsourced to a database or record server. IDS play a key role in pc safety approach. But it additionally has drawbacks of its personal. To overcome those drawbacks. Duel Security approach is delivered based on ecommerce utility. I implemented duel safety the usage of MD5 set of rules and hashing feature, an in constructed web server of Windows 10 last, with My SQL Server. This System offers the ones models the network behavior of consumer periods across each the the front-end web server and the back-give up database. Implementing machine tracking both web and next database requests. Most of the people do their transaction thru web use. So there are chances of private figures receives hacked then need to be provide more shelter for each internet server and database server. For that motive duel security gadget is used. The duel security device is used to identify

Keywords—DuelSecurity,MDAlgorithm,Intrusion Detection,Multi-Tier Web Application,DataLeakageDetection

I. INTRODUCTION

Now day's database security is a primary factor of every and each agency. Database is used for the store information in database isn't always sufficient for any organization, for the reason that they ought to address all troubles associated with

database, from which one of the main problem is database safety. In this paper we design with the primary method that determines whether or not facts saved in database is tampered or not. Any enterprise can't come up with the money for the threat of an unauthorized person observing or changing the information in their databases. Web services are broadly utilized in social community by using humans. Web services and programs have end up famous and also their complexity has expanded. Most of the project which include banking, social networking, and on-line purchasing are finished and directly depend on web. As we're using web offerings that's gift everywhere for private as well as corporate information they're being attacked without problems. Attacker attacks backend server which gives the useful and precious statistics thereby diverging the front stop assault. Data leakage is the large problem for industries

II. PROPOSED WORK

A. Problem Definition

Many Systems are providing one manner security for the web programs protecting a web application in phrases of interface and at database quit with right improving alternatives is excellent part of the gadget. The proposed system designs idea in breakdown model to assess security of the net applications in conjunction with its database in every step

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HUGE RANGE OF MACHINES HAVING EXTRAORDINARY OPERATING SYSTEMS AND STRUCTURES. IN OUR DESTINY WE WORK ON GLOBAL SERVER TO EVALUATION THE TEMPER SERVER.

APPENDIX A: PROBLEM DECLARATION FEASIBILITY ASSESSMENT THE USE OF, SATISFIABILITY ANALYSIS AND NP HARD,NP-COMPLETE OR P TYPE THE USAGE OF CURRENT ALGEBRA AND APPLICABLE MATHEMATICAL FASHIONS.

DEFINITIONS: P, NP, NP-HARD, NP-COMPLETE PROBLEMS:

P CLASS OF ISSUES: SOLUTIONS TO P CLASS OF PROBLEMS HAVE DETERMINISTIC ALGORITHMS JOGGING IN POLYNOMIAL.

NP CLASS OF TROUBLES: SOLUTIONS TO NP CLASS OF TROUBLES HAVE NON-DETERMINISTIC ALGORITHMS GOING FOR WALKS INPOLYNOMIAL.

NP-HARD MAGNIFICENCE OF ISSUES: A HASSLE IS IN NP-HARD MAGNIFICENCE IF AN ALREADY PROVED NP-HARD HASSLE REDUCES TO IT.

NP-COMPLETE ELEGANCE OF TROUBLES: A TROUBLE IS NP-COMPLETE IF IT IS NP-HARD AND IT'S FAR NP (I.E.

THERE EXISTS A NON-DETERMINISTIC SET OF RULES WALKING IN POLYNOMIAL TIME WHICH SOLVES IT).

THEREFORE, OUR GADGET IS NP-COMPLETE.

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