



MULTI AGENT BASED TRAFFIC CONTROLLER USING INTELLIGENT TRANSPORTATION CLOUDS

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ABSTRACT:

Management of the system based aspect with respect to the agent oriented concern as a major strategy in which it is quite effectively related to the environment of the traffic based strategy in a well efficient manner and includes some of the aspects such as the depending on the user of the mobile based strategy oriented with the well effective fashion in which the agents of the mobile based aspects includes adaptability , mobility and the autonomy based aspect in a well oriented fashion respectively. Here there is a huge role by the help of the cloud based strategy is the extended version of the internet based aspect that is the advancement related to the internet based aspect is termed as the computation of the cloud in a well respective fashion take place in the system respectively. Here this particular phenomena plays a major role in terms of the service based aspect related to the user based strategy in the form of the software followed by the infrastructure as a major theme of the system in a well oriented fashion respectively. Here in the present strategy there is a huge research related to the management oriented scenario followed by the historical search based strategy plays a key role for the implementation of the system in a well effective manner respectively. Where there is a huge implementation and also the advancement in the strategy related to the traffic based aspect followed by the accurate analysis of the management based strategy in a well efficient fashion. Here there is a new strategy in which there is an implementation of the system with respect to the management based criteria followed by the congestion oriented with the traffic and both of the above aspects are being implemented in the computation of the loud oriented aspect with respect to the technology involved with mobile based aspect respectively. Experiments have been conducted on the present method and a number of the analysis is conducted in order to produce the effective performance

based strategy followed by the accurate system based outcome in a well oriented fashion respectively.

Keywords: Computation of the cloud, Network strategy, traffic congestion, Routing system, Platform adaptation respectively.

1. INTRODUCTION

There is a lot of advancement in the system related to the internet based aspect. Nowadays internet plays a major role for the well efficient implementation of the system in a effective manner respectively [1]. Here many of the firms are completely based on the internet based strategy in a quite effective manner. There is an advancement in the internet oriented strategy by the help of the computation based cloud in a well efficient manner respectively [3][4]. Here it is implemented on being the users as a primary strategy and followed by the service providing facility as the major aspect related to the system. There is a major problem related to this aspect is there is a problem with respect to the security based aspect is a primary role and also the implementation of the system on behalf of the cryptography as one of the advanced data hiding technique in which there is an effective storage followed by the security based problem is got negotiated respectively [2][5]. Here the services oriented with the cloud based aspect

Includes the service based in the software, service based on the platform and finally the service based on the infra structure oriented phenomena in a well efficient manner respectively [6][8]. Now there is a huge advancement in the system where there is a well efficient management based strategy is not implemented under the aspect of the mobile based technology followed by the management based aspect respectively plays a crucial role in its implementation aspects.

2. METHODOLOGY

Here the implementation of the present method is shown below in the block diagram based aspect and is explained in the brief elaborative fashion respectively. Here the present method is implemented with a well efficient framework based strategy in which there should be an improvement in the performance based strategy followed by the efficient outcome with a quite respective fashion [7][9]. There is a huge challenge for the present method in which it is supposed to accurately analyze the

performance or the problem oriented strategy of the several previous methods and also the accurate outcome in a well respective fashion where there is a lot of the interest related to the theoretical based aspect respectively. Here the present method completely overcomes the drawbacks of the several previous methods in a well efficient manner respectively. Here we finally conclude that the present method is effective and efficient in terms of the performance based strategy followed by the entire system based outcome in a well efficient manner respectively [10].

BLOCK DIAGRAM

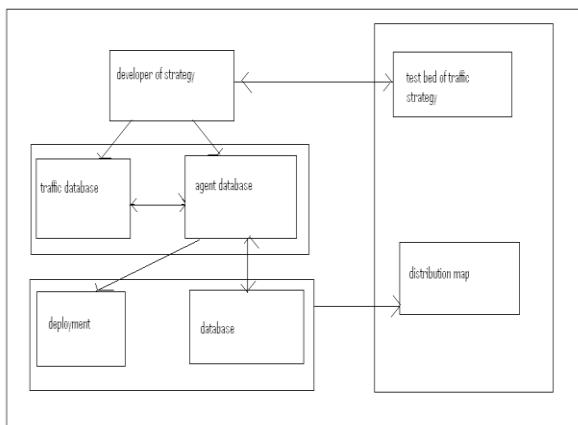


Fig 1: Shows the block diagram of the present method respectively

3. EXPECTED RESULTS

A comparative analysis is made between the present method to that of the several previous methods in a well effective manner and is shown in the

below figure in the form of the graphical representation and is explained in a brief elaborative fashion respectively. A lot of analysis is made on the present method and a huge number of the computations have been applied on the large number of the data sets in a well effective manner related to the different environmental aspect in a well efficient manner respectively. Here we finally conclude that the present method is effective and efficient n terms of the performance followed by the outcome in a well oriented fashion.

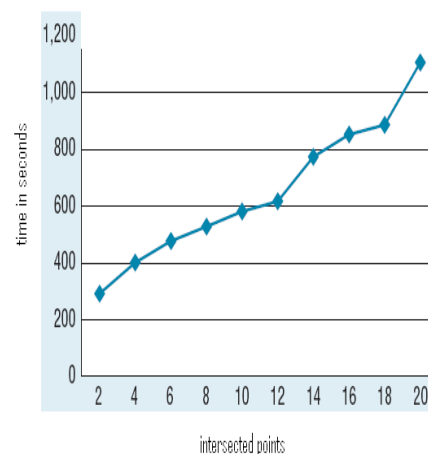


Fig 2: Shows the graphical representation of the present method respectively

4. CONCLUSION

In this paper a method is designed with a well effective framework oriented strategy in a well efficient manner in the improvement of the system based aspect in

a well oriented fashion respectively. Here depending on the computation of the cloud based major strategy for the effective analysis of the system in a well oriented fashion where the implementation of the structural oriented aspect followed by the cloud is a major concern with respect to the cloud based traffic intelligence plays a major role for the implementation of the system in a well efficient manner respectively. Here the above designed system is classified based on the strategy of the implementation based aspect in a well oriented fashion respectively and some of the layers of the architecture includes Fabric, Source of the unified strategy, Platform followed by the application oriented strategy in a well efficient manner respectively. Here the implementation of the system followed by the relationship oriented with respect to the particular layers are explained in this particular aspect respectively. Here we finally conclude that the present method is effective and efficient in terms of the performance based strategy followed by the accurate outcome in the entire system based aspect in a well oriented fashion respectively.

REFERENCES

[1]. F.-Y. Wang, "Toward a Revolution in Transportation Operations: AI for Complex

Systems," IEEE Intelligent Systems, vol. 23, no. 6, 2008, pp. 8–13.

[2]. F.-Y. Wang, "Parallel Control and anagement for Intelligent Transportation Systems: oncepts, Architectures, and Applications," IEEE Trans. Intelligent Transportation Systems, vol. 11, no. 3,2010, pp. 1–9.

[3]. B. Chen and H. H. Cheng, "A Review of the Applications of Agent Technology in Traffic and Transportation Systems," IEEE Trans. Intelligent Transportation Systems, vol. 11, no. 2, 2010, pp. 485–497.

[4]. M.C.Choy, D.Srinivasan and R.L.Cheu, "Cooperative, Hybrid Agent Architecture for Real-Time Traffic Signal Control," IEEE Trans. Systems, Man and Cybernetics, Part A: Systems and Humans, vol. 33, no. 5, 2003, pp. 597–607.

[5]. M.C.Choy, D.Srinivasan, and R.L.Cheu, "Neural Networks for Continuous Online Learning and Control," IEEE Trans. Neural Networks, vo1. 7, no. 6, 2006, pp. 1511–1531.

[6]. B.P. Gokulan and D. Srinivasan, "Distributed Geometric Fuzzy Multiagent Urban Traffic Signal Control,"IEEE Trans. Intelligent Transportation Systems, vol. 11, no. 3, 2010, pp. 714–727.

[7]. N. Suri, K.M. Ford, and A.J. Cafias, "An Architecture for Smart InternetAgents," Proc. 11th Int'l FLAIRS Conf., AAAI Press, 1998, pp. 116–120.

[8]. F.-Y. Wang, "Agent-Based Control for Networked Traffic Management Systems," IEEE Intelligent Systems, vol. 20, no. 5, 2005, pp. 92–96.

[9]. F.-Y. Wang and S. Tang, "Artificial Societies for Integrated and Sustainable Development of Metropolitan Systems," IEEE Intelligent systems, vol. 19, no. 4, 2004, pp. 82–87.

[10]. I. Foster et al., "Cloud Computing and Grid Computing 360-Degree Compared," Proc. Grid Computing Environments Workshop, IEEE Press, 2008, pp. 1–10.