Abstract

In this Real world each and every check post perform the same operation. But the operation must be done manually. This operation includes various parameters. The manual operation of the check post requires the man power in order to perform the operations such as opening the gate, closing the gate, checking the vehicle details. The vehicle details include vehicle registration number, vehicle insurance, and vehicle fitness certification. It is a complex task to check each and every vehicle's details by a common man. Some people will do the task honestly and some may not. To overcome such complexities we can build a system that performs these tasks on behalf of the man power. This system is known as Automated Check post system. The architecture of the system is service-oriented. This architecture will provide the several benefits in the real world. It is important to study the operations of all the devices that are required to build the system. After analyzing the operations then the next step is to check the performance of the system, taking into account the number of vehicles pass through the check post every day. We take a sample scenario on the automated check post system to check its feasibility solution and its performance. The collection of data will be so large and complex that companies cannot process it all using existing database systems, then BigData
Automated Check-Post on Cloud using BigData Analysis with Web Service Security

will play a key role in RFID's infrastructure for the industries needs for complete data management solutions with high security. The conclusion shows how much useful the system is, when it is implemented in the real word application.

References

- Mike Burmester and Breno de Medeiros: RFID Security: Attacks, Countermeasures and Challenges
- Sewon oh, joosang park, yongioon lee, "rfid-based middleware system for automatic identification", IEEE international conference on service operations and logistics, and information, 2005.
- Kin seongleong, munlengng, member, IEEE, alfio r. Grasso, peter h. Cole, "synchronization of rfidreadersfor dense rfid reader environments", international symposium on applications and the internet workshop (saintw), 2005

Index Terms

Computer Science Database Management
Keywords
Automated check-post RFID Cloud computing BigData analysis GPS