Action technology is applied to the research of the system of the electronic official document

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Abstract: The extension of the information platform has been already moved towards omnipresent GPRS/3G from Intranet and Internet. And the pluralism of mobile phone is application program which is from Push Mail to newest Push Data. Push Data is very pluralism. This text mainly probes into Push Data application in the system of the electronic official document. How to structure a system of accelerating the official document and signing nuclear prescription, and raise the efficiency of treatment of the official document. The result of study will be offered to the insertion electronic official document. Mobil government bodies are like school unit and the enterprise-like corporation in the future, and do the further research.

Keywords: - Push Data, electronic official document

1 Preface
Circulation of representative's information of transmission of the official document. In the originally official document homework of traditional paper, information is transmitted to the hands of every demand by the artificial way. But with the generation's arrival of science and technology, the materials need to collect and combine in faster way. The circulation style of information should be more flexible too, Thus, it could be according with the demand of the scientific and technological society now [1].

With the fast development of the action network. If the service of introducing "Push Data" of person who combines telecommunication industry of "system of the electronic official document".

2 Study the purpose
"Push Data" emphasizes "line at any time", "receives voluntarily" and "deals with three major characteristics immediately". Let users not limited by the space, the access materials whenever and wherever possible. To that what had in "system of the electronic official document", "Push Data" would bring a brand-new appearance, brought the great challenge at the same time. Push Data "structure will present different ways. The main purpose of this research lies in building and constructing the systematic structure of the electronic official document in the future. Implement and extend enterprise's Mobil goal, and then raise the efficiency and enterprise's competitiveness.

3 Software structure of the system of the electronic official document
3.1 Standalone Applications: The structure of Standalone Applications is as shown in Fig. 1. Under this structure, the system of the official document and official document materials exist on the same computer at the same time. But it is unable to deposit and withdraw "The core of the central materials" (such as the administrative system of the database) With participating in the communication on the network. But "system of the electronic official document" under this structure has question that disposes of software. Because when "system of the electronic official document" is upgraded, every one has computer...
containing system of the official document to need to do the software to upgrade.

![Generic Standalone Architecture](image1)

**3.2 Client/Server (2-Tier) Applications:** The structure of Client/Server Applications is as shown in Fig. two. The system of the official document exists on the computer of Client end, and the official document materials exist on the computer of Server end. Interface of user of Client end official document system (UI) include the commercial logic (Business Logic). It is made to use and manage the materials and trade (Transaction) Integrity. The official document system under this structure, the question that still has software to dispose. Because when the commercial logic of the system of the official document is upgraded, the computer of end of every Client will do the software to upgrade.

![Generic Client/Server Architecture Type](image2)

**3.3 N-Tier Applications:** N-Tier Applications disperses in many computers. Its application has Application-centric, Web-centric, and Enterprise three kinds of forms.

**3.3.1 Application-centric Application:** The structure of Application-centric Application is as shown in Fig. three. Client serves using the interface (UI) of system of the official document Have not included any commercial logic. The commercial logic component of the system of the official document is disposed on Application Server. Service of letting Client end computer use Application Server to offer. Application Server under this structure is mainly the operation of all pairs of databases of integrity and execution used for managing the materials.

![Generic N-tier Architecture Type](image3)

**3.3.2 Web-centric Application:** The structure of Web-centric Application is as shown in Fig. four. The system of the official document is the structure Web Server in the internet network. The user passes the browser of webpages ' Such as IE) Operate the official document system (Web Application) on Web Server. Web Application has commercial logic to deal with and the result appear (Presentation Logic) Function. The advantage of this structure is the same as Generic N-tier Architecture Type. Its shortcoming is a risk (Security Risk) with security. Because the commercial treatment function of the system of the official document is to dispose on Web Server, easy to be attacked by the hacker.

![Web-Centric N-tier Architecture Type](image4)

**3.3.3 Enterprise Application:** The structure of Enterprise Application is as shown in Fig. five. It combines web-centric and application-centric structure. The commercial logic component of the system of the official document is disposed on Application Server. Web Server only offers the appearing of the result. Enterprise's network and user of the internet network, can use same commercial logic serve.
Application Server under this structure has solved the risk of the network security of internet and problem of the materials consistency. However, it is more complicated that its shortcoming is the software component wanting management to distribute on every computer will change.

4 "system of the electronic official document " Application embodiment combined with " Push Data "

Server. Official document materials stored in DB ‘Database’)

Fig. seven Official document a case Push reaches the end of the mobile phone

The user of the system of the official document can operate the system of the official document by enterprise's network or internet network. Then Push reach official document Mobile of recipient serve immediately important official document pieces of case (Such as Fig. eight) . Homework of official document of enabling recipients to carry on the official document to verify, deal with, sign cores and audit as soon as possible etc., and official document materials that deal with write, answer back database system (Such as Fig. nine) , in order to the efficiency of promoting the official document and dealing with.

Fig. eight common file case punish at mobile phone, and official document materials that deal with write, answer back database system

6 Conclusion and suggestion

Now, The computers and electronic action devices have been already constant into our life. They influence the contact way of we and the society. Development and use of the action
communication is the trend which is important and can't keep out to the modern.

This research combines analysis by the collection, discussion of the relevant literature that "Push Data" applies to the feasibility of "system of the electronic official document" now. The resources of integrated system are made the transition into M directly. Make the user of the official document can not be exercised restraint in receiving the key message whenever and wherever possible by the space, environment, and will not produce and use the situation that the software can't be integrated originally. It can highly have action office of carrying nature to users. This result of study is offered government bodies, school unit and enterprise-like corporation intended to channel into the electronic official document in the future, and do the further research foundation.

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