Real Study of Telecommunications Software System and Multimedia System

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1 INTRODUCTION

After the Second warfare, ways in which to form business are dynamic quickly. a lot of economical ways in which to move material from place to a different have had an incredible result to business models. International makers are able to concentrate their warehouse functions and abate the expenses by doing this. nowadays native sales offices area unit able to offer their product to customers while not having an oversized stock of product hold on almost them. Transportation systems have evolved to be terribly economical and material management is underneath a modification. The effective ways in which to manage product flows need reliable ordering systems between completely different geographical locations and this wherever B2B systems return on. [33] B2B systems have existed for a few of decades currently however the particular use of these systems has been terribly rare. throughout the 90’s telecommunications networks began to evolve in vast cycles and at the late 90’s web marketplaces began to surface. New technologies and standards like XML combined to the fast development of the network technology were the last missing parts within the method of creating B2B systems reality. [33]

DOWNSIDE STATEMENT

Although B2B systems are obtainable to organizations for a few time currently the employment of this technology to form ordering method a lot of economical are quite rare. a look study created in year 2002 by Aberdeen cluster [1] rumored that over sixty p.c of industries still use ancient tools to form material purchases. These ancient tools embody phone, fax and e-mail. The p.c of B2B measured in price is merely four.5 percents of the entire quantity of business. Another analysis created at Forrester analysis predicts that B2B can save the common company eighteen to forty five p.c of the prices caused by buying product and materials. [2] These savings can return through such attributes as faster ordering, speedier delivery and fewer errors. Even with these vast amounts of savings B2B systems haven’t reached the position that they must. [1]

What is the rationale that massive organizations like ancient strategies? maybe it’s the mistrust against software-based systems compared to ancient methods. once examining the applied math information collected by foregone conclusion CC (www.cert.org) there are often found an enormous growth in range of security incidents rumored in previous couple of years. These figures area unit bestowed in Table one.

<table>
<thead>
<tr>
<th>Year</th>
<th>2000</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Incidents</td>
<td>21,756</td>
<td>52,658</td>
<td>82,094</td>
<td>137,529</td>
</tr>
</tbody>
</table>

Table 1Number of data security incident rumored [20]

The logical question is the way to create massive organizations trust these programs? One resolution is standardization. info security standards take the angle of 3 completely different qualities to the knowledge method. the primary one is confidentiality. The
transactions got to be secure and sensitive info must be protected. The second is accessibility. The business method is today terribly sensitive to even short breaks and this implies that the provided services got to be obtainable 24-7. The third one is integrity. the information must be uncorrupted all told the things. once machines area unit unit process [the information|the info|the information] there's currently space for corrupted data. [8]

Two main info security standards area unit employed in analysis of software system and business processes. the primary one is Common Criteria that purpose is to guage such software system. Common Criteria was initial discharged within the year 1999 and also the use of it's been increasing once a year. The second is BS 7799 that's conjointly called ISO/IEC 17799. BS 7799 was discharged originally within the year 1995 and it's accustomed judge and certificate organizations info security structures and procedures.[4,15]

GOALS

The primary goal of this thesis work is to guage organization accountable of manufacturing and maintaining B2B framework. when the analysis area unit results analysed and conclusions will be created regarding the gift state of the organizations info security processes.

SCOPE

The main scope of this thesis work is to use BS 7799 to check the ordering system and also the organization accountable of it. BS 7799 customary can offer smart read to the organization that has developed the system and also the ISMS method outlined in BS 7799 can be a decent technique once making an attempt to enhance organizations info security problems. [4]

When mistreatment BS 7799 the main target are going to be doing the analysis consistent with BS 7799-2. ISO/IEC 17799 (BS 7799-1) is employed as a reference once examining the organization’s security structures and once considering the suggestions of doable enhancements to the organization’s security policy. [8, 9]

1.3.1 PARTS OF B2B SYSTEM AND THEIR ANALYSIS

There area unit 5 completely different actors in B2B systems. The actors and their relationships area unit shown within the Figure one. The results of the analysis can facilitate analyse 2 of those 5 actors.

BS 7799 can offer results of the server software system and provider facet of the system. BS 7799 customary can chiefly judge the organization behind the merchandise however as a result of the standard of the merchandise in software system business typically depends of the organization that made the software system, BS 7799 will offer results considering the software system. the opposite truth is that during this case the organization that has made the system is additionally accountable of maintaining it and this truth makes BS 7799 even a lot of appropriate to be employed in this case. [5]

The other reason why BS 7799 is chosen is that the primary a part of the quality has been international recognized by ISO/IEC. ISO/IEC 17799 conjointly called BS 7799-1 may be a set of internationally recognized tips. though the second half has not been created official customary nonetheless the world confidence towards BS 7799-2 has been growing throughout last years. [5]

The fact that ISO has recognized BS 7799-1 customary is kind of vital considering the probabilities of use of the target B2B system. the largest savings can return through the largest
customers and obtaining biggest customers to actual users is commonly difficult method in international business field. obtaining the certificate, that is recognized by international standardization organization, is commonly already a basic demand once starting relationship. as an example of this is able to be ISO 9000 customary family for quality management. today a lot of and a lot of organizations area unit ordering ISO 9000 certificates from licensed evaluators and auditors. ISO 9000 standards area unit enforced by some 610 000 organizations in a hundred and sixty countries. Some massive organizations have even bedrock that they'll not conduct business with different organization if it's not certified by ISO 9000 standards. [4, 16]

REFERENCES

One of the most sources is BS 7799 documentation. BS 7799 documents aren't hospitable everybody at no cost and even in Republic of Finland there area unit solely few of them obtainable for study functions. If they're required, will they be simply purchased from BSI’s web site http://www.bsi-global.com/index.xalter. [4]


