Abstract:

IED Dm f hmddqhm f+ ` kd`chm f bn l o`mx hm dkdbsqnmhb `tbshnm rxrsd l r enq v gnkdr`kd l `qjdsr+ g`r `krn cdudk, nodc `m dkdbsqnmhb bn l l dqbd 'DB( rxrsd l enq sq`chm f hm gnqshb tkstq`k oqnctbsr nudq sgd Hmsdqmds+ `mc qdbdmskx hmsqnctbdc sghr rxrsd l hm kd`chm f v gnkdr`kd ¯nv dq l `q, jdsr hm I`o`m- Sgd rxrsd l hr cdrhfmdc sn ad bn l o`shakd v hsg sq`chshnm`k a trhmdrr oq`bshbdr hm gnqshb tkstq`k sq`c, hm f+ v ghkd `krn qd`khyhm f q`shnm`khy`shnm deedbsr- Sgd rxr, sd l cd l nmrsq`sdc sgd dwodbsdc qdrtksr hm `bt`k `ookhb`, shnm-

1. Introduction

Transactions for goods and services via the Internet and other computer networks, or electronic commerce (EC), have increased dramatically in recent years with progress in information technology and expansion of the network infrastructure. For example, since 1998, wthe

grown at an annual rate averaging more than 60%, even excluding f nancial transactions such as securities and foreign exchange. The types of prodp ,3)

and is also active in EC system development. This paper presents an outline of a newly developed EC trading system for wholesale markets and describes its introduction in wholesale f ower markets as an example of application.

2. Current Conditions in Horticultural Product Distribution and Aims of System

The modes of distribution used with horticultural

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4. Software Technology Applied in System

4.1 Open Source Software

In recent years, some makers have disclosed their source codes and encouraged business use of basic software free of license fees. This type of software, which is referred to as open source software (OSS), is utilized by many advanced system designers worldwide and has been improved when required based on practical tests in various situations. The authors judged that an established OSS offers relatively high operating reliability, even in comparison with commercial software produced by software makers.

The basic softwares applied to the respective servers in this system are shown in **Table 1**. Although implementation using a reliable OSS was adopted as a standard for this system, a commercial database engine was used only for the database server because importance was attached to real-time data linkage with the basic information system. However, as this should be determined by the relationship with the basic informa-

5