

**Abstract:**

*IED Dmflmddqhmf+ ` kd`chmf bn lo`mx hm dkdbsqmhb `tbshrm rxrsdlr enq vgnkdr`kd l`qjdsr+ g`r `krm cdudk, nodc `m dkdbsqmhb bn l ldqbd 'DB( rxrsdl enq sq`chmf hm gnqshbtkstq`k oqnc tbsr nudq sgd flmsdqnds+ `mc qdbdmskx hmsqnc tbc sghr rxrsdl hm kd`chmf vgnkdr`kd `nvdq l`q, jdsr hm I`o`m- Sgd rxrsdl hr cdrhfmdc sn ad bn lo`shakd vhsq sq`chshrm`k atrhmdrr oq`bshbdr hm gnqshbtkstq`k sq`c, hmf+ vghkd `krm qd`khyhmf q`shrm`khy`shrm deedbsr- Sgd rxr, sd l cd l nmrsq`sd c sgd dwodbsdc qdrtkr hm `bst`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 financial transactions such as securities and foreign exchange. The types of prodp ,3)

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





## 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-



