

CASEMaker[®]

DBMaker Case Study

Customer: Taipei County Police Office

System: Management System of Traffic Regulation Violation

System Purpose & Structure

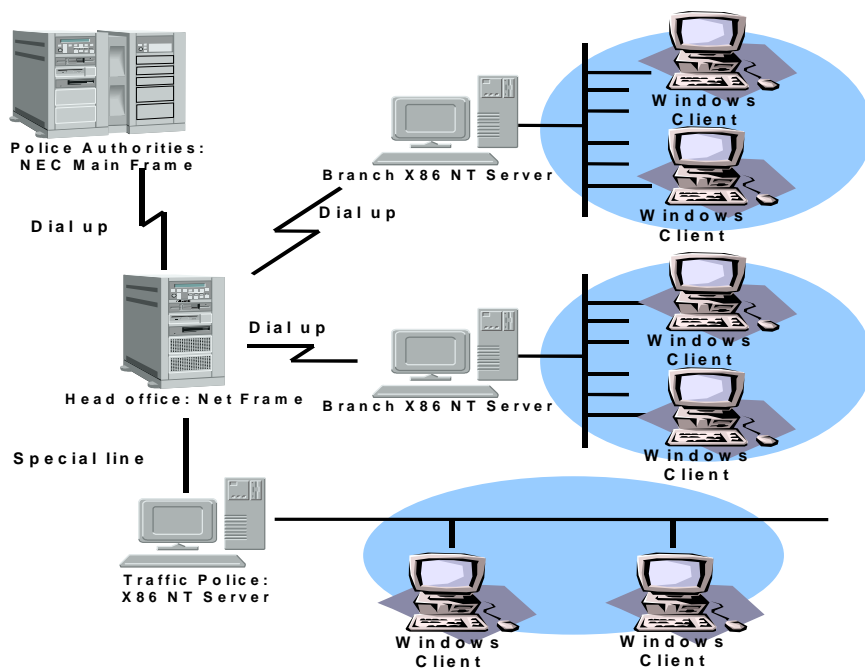
The major purpose of developing this system is to help Taipei County Police Department manage traffic regulation violations by computerizing the entire process and keeping records of all traffic violation events.

This system is consist of the following four subsystems: Photo-Capture Violation System, automatically captured by cameras; Manually-Collected Violation System, violation events revealed directly by policemen; Road Parking Charging System, for receiving parking charge; Penalty System for receiving & following up penalty.

System Architecture

Hardware: NEC Main Frame, Net Frame, Pentium PC server, Pentium PC client

Note: Total servers: 17; total clients: more than 400



Software:

Item	Name
Database Server Operation System (Server OS)	Windows NT 4.0
Workstation Operation System (Client OS)	Windows 95/98
Network Server Operation System	Windows NT 4.0
Database Management System (DBMS)	DBMaker 3.0

Development Tool & Period

Development tool: Delphi

Development period: 50 man/month

Data Volume

This system is nonstop and running 24 hours a day. The current data volume in head office has exceeded 2 million records and in each branch over 200 thousand records

Benefits

- Increase the speed for the entire process for handling violation events of traffic regulations
- Increase monthly penalty income to almost twice (from NT\$ 60 million to more than NT\$ 100 million)
- Improve accessibility to data