

PowerVision Creates Web-based Billing System for Motorola's iKno Product

Motorola, Inc. needed a custom designed, web-based billing system to track cost and revenue for its iKno product. The system needed to be integrated to Motorola's current system, also in a developmental stage. PowerVision was able to design and develop such a system to meet Motorola's needs. The system is a dynamic web-based product that is driven from the billing database PowerVision created.

The Need to Track Billing Information...

Motorola's Content Services division created a new service product, iKno. iKno is the delivery of information services to pagers (i.e., Sports Updates). Motorola started to build a system to create these services and handle the operational aspects of transmitting these services; however, the component to track service activity and its associated revenue and cost was missing.

PowerVision was contracted by Motorola to design and implement a billing system that could be accessed by distributed users. The two main pieces of the billing system were developing web-based screens for data input and maintenance, and creating reports to bill clients, analyze profits and support management decision making.

Motorola wanted a system that could be easily integrated with the system already in development.

...Accomplished through a Web-based System

PowerVision played a major role in the analysis and design of the Billing System. PowerVision strongly influenced Motorola's decision to move the entire database to Oracle8. Motorola had already selected Cold Fusion as the tool for creating the web-based screens. PowerVision developed Cold Fusion scripts for server-side processing on Microsoft's Internet Information Server. To expedite development, PowerVision used Perl5 to develop a suite of code generators to produce Cold Fusion modules for interacting with the Oracle8 back-end database. For client-side processing and validation of the

Business Area:

- Billing and Cost Tracking

Key Technologies:

- Oracle8 RDBMS
- Cold Fusion
- Crystal Reports 6.0/Crystal Runtime
- Adobe Distiller (Acrobat/PDF printer)
- NT 4.0 Custom Application (VC++)

PowerVision's Role:

- Analyst
- Designer
- Architect
- Developer



