

LARGE-SCALE ONLINE PROCESSING SYSTEM – CASE STUDY

SERVICES OFFERED:

The client provides a platform for facilitating Horse Race Wagering and handicapping for prospective punters.

CLIENT INFORMATION:

The client is a pioneer in Online Wagering, helping punters to wager for races on popular racetracks within USA and rest of the world.

BACKGROUND:

- The existing wagering system runs on VMS based platform, proved to be costly from a maintenance & recurring expenditure standpoint.
- To keep cost under wraps, and to improve functionality and performance, the system needs to be migrated to a cost effective platform such as open source.

PROBLEM STATEMENT:

- Migrating 30 years old VMS based system to an open source platform.
- No Functional or Technical documentation is available. Knowledge harvesting to be pursued by “code sifting” and SME interaction.
- Includes Data Migration of large volume of historical data from SQL Server & VMS system onto the proposed MySQL.
- As a separate effort, consolidate the functionality and reports of two portals, into single one.

SOLUTION SUMMARY:

- Migrated the historical data from VMS system by creating the necessary frameworks, onto the Open Source System based on LAMP & Java.
- Implementation of ETL processes using open source tool such as Pentaho’s Kettle.
- Implemented all the statistical algorithms used in providing predictable data for facilitating wagering within the migrated system.
- Created the Reporting modules using BIRT/ iText reporting framework and published them on portal for customers to make their purchase.
- Provided a UI for the research department to upload manual data, as well as correct erroneous data (either complete or partial) for further processing.
- Integrated a “bought in” competing portal’s handicapping functionality and turf day related stats to the existing portal, eliminating any disharmony among the customers of both the portals.