



To succeed in business it is necessary to make others see things as you see them.

# Case Study

## Multiplayer Poker

### Abstract

A leading online casino game provider was looking to upgrade the web as well as desktop versions of their flagship casino product "Multiplayer Poker". The project requirement was to bring the existing poker web client nearer to the desktop version by adding numerous functionalities and implement drastic performance enhancement.



## Client Profile

The client is among the top notch online casino game providers. They have a range of casino products, both as web based flash applications and C++ based desktop clients. One of their flagship casino products is multiplayer poker. It comprises all major poker game types and categories with real as well as practice money. The client has laid out concrete future plans to upgrade all of their casino products, both at web based and desktop level.

## Business Need

The flash based online poker client had not been upgraded since 2 years. Meanwhile, the counterpart desktop client had been upgraded multiple times during the same span. That had resulted in a major gap between 2 versions and the user base was constantly demanding parity between both versions, in terms of available functionalities. Moreover, the existing flash client was written in ActionScript 2.0, which was slow in terms of game play performance. The project requirement was to bring the existing poker client nearer to the desktop version by adding numerous functionalities and implement drastic performance enhancement.

## Solution

Looking at the project requirement, the entire application was migrated to ActionScript 3.0 to leverage the robust and highly improved ActionScript Virtual Machine (AVM) 2 contrary to the legacy AVM 1. One of the major components of the application has been migrated to Adobe Flex for rich user interface and ease of styling. The event model was completely changed to reduce latency in backend communication as well as within the application.

Since AS3 has been written ground-up and introduces numerous changes over AS2, in terms of component usage and core programming model, the main challenge during the project development, was to port entire application to AS3 platform with all existing functionalities in tact.

## Features

Facilitates real time multi player, popular poker variations and tournaments including Texas Hold'em, Omaha, Omaha Hi/Lo, 7 Stud, 7 Stud Hi/Lo, Sig & Go and Multi Table.

Simple and intuitive user interface which results in faster performance and allows the users to focus on game play.

Along with real money and practice play is also integrated to have hands on before attempting for the real money cash tables and tournaments.

The application is supported by a robust backend. The communication between the front-end flash application and backend is implemented through XML socket, which is the fastest response mechanism.

The application has powerful user-centric functions like Re-buy, Add-on, Timebank etc. which makes the game play more effective.

Integration of monetary functions like cashier, deposit in the application enables monetary transactions without leaving the application.

Integration with other casino products, using a common protocol. This enables use of same bankroll among various other casino products like Blackjack, Slot etc. These applications can be accessed from within poker client itself.



## Screen Shots



## Technology

Adobe Flex™ 3.0 Builder  
ActionScript 3.0  
Adobe Flash™ CS3 Professional

## Industry

Gaming



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