



## Case Study: FileExplorer Module

*"I am very pleased with my working relationship with SolveIT. They were able to turn the project around in a timely manner which seemed effortless to them. Their team of web developers were quick to respond to my inquiries and easily conceptualized the ideas we had intended for the project. They are a very professional group of individuals that I look forward to working with in the future."*

Katerine Christiansen  
CTO, VisioSign

**Summary:** The client sought an efficient solution to upload files in a simple and easy manner with clearly visible segregation of files into Audio, Video, Images etc.

**Solution:** The team at SolveIT developed the FileExplorer module to upload images/video/HTML content to infoboard story board. The FileExplorer module implemented Telerik FileExplorer control and was integrated with InfoBoard Administration System.

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## **1 Introduction**

### **1.1 Client Introduction**

The Client is the leader in the content presentation system. They are one of the largest providers of centrally managed and web based software which incorporates key constructs of internal information, campaigns, information, schedules and collaboration to enable the efficient distribution of content across network of screens down to individual screens. This flexibility creates the optimal environment for any communication department or marketing professional to communicate targeted messages that reach employees at the right place, at the right time.

### **1.2 Project Introduction**

The project aims to provide a software solution that controls the elements used in visual communication, generates and schedules playlists, and delivers targeted messaging to the screens. The Players are using standard Internet protocols. Both media and players can be grouped to take advantage of user defined market and network characteristics, enabling the precise and efficient delivery of communication and campaigns. The software solution provides users the option to define and position designated areas of a display screen to showcase additional communicational messages along with the latest news, sports, business and entertainment headlines.

The deliverable is a web-based software with main focus on integration with Microsoft SQL Server 2005 and a customized web solution to present content in different forms.

## **2 Requirement**

As a rapidly growing Content Presentation Company, the client needed enhanced features to be added to its base product for managing content more efficiently and presenting it in myriad forms.

The client had previously deployed a contingent Media module which facilitated uploading of files, however it was hampered by complexity of doing so. Therefore the company sought an efficient solution to upload files in a simple and easy manner with clearly visible segregation of files into Audio, Video, Images etc. Hence the team at SolveIT developed the FileExplorer module to upload images/video/HTML content to infoboard story board. The FileExplorer module implemented Telerik FileExplorer control and was integrated with InfoBoard Administration System.

### 3 Features & Benefits

The FileExplorer module have built over the features and functionalities provided by InfoBoard to make it easy for users to upload media files (images/video/zip) to infoboard server and able to use those files to create content for their InfoBoard.

#### 3.1 System Features

Functionalities:

FileExplorer is a flexible web control for file management; FileExplorer completely mimics the Windows Explorer functionality. Users can easily add it to InfoBoard, and organize their files and folders with following options: create, rename, delete, drag and drop, and all the familiar file operations.

The FileExplorer control is composite control of Treeview, Grid, Upload and others.

**FileExplorer Treeview:** Telerik ASP.NET AJAX FileExplorer Treeview has a built-in context menu (RadContextMenu) which can be fully customized through CSS. By right clicking you can easily upload, delete, and rename files/folders. Using this telerik treeview control, User can create new folder and upload their file to this folder so that users can use their files to design InfoBoard backgrounds.

**FileExplorer Grid:** Telerik ASP.NET AJAX FileExplorer Gridview is used to display files of selected folder. Gridview also provide feature like add extra column dynamically and paging.

**FileExplorer Upload:** Telerik RadUpload is control for uploading files and monitoring the progress of uploads. Here we customized telerik upload control to provide features to user for them to upload and extract zip file.

## 4 Challenges

- Main Challenge is to customize built-in telerik fileexplorer control so that users are enabled to upload a zip file and for a zip file to get automatically extracted on server.
- The challenge was to integrate FileExplorer module with the existing Infoboard application, since it had been running for about seven years.

## 5 Technology Statistics

<b>Application Server</b>	Windows 2003 Server Advanced Server and above.
<b>Web Server</b>	IIS 6.0 or higher
<b>Application Scripting</b>	JavaScript , AJAX
<b>Web Languages</b>	ASP.NET with (VB.NET)
<b>Development IDE</b>	MS Visual Studio.Net 2008
<b>Browser</b>	Internet Explorer 6.0 and above and Firefox 2.0 and above
<b>Third Party Controls</b>	Telerik

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