

# FLASHSEEK



## Full Text Search for Flash

### PRODUCT OVERVIEW

FlashSeek enables users to perform full text searches of Macromedia Shockwave Flash (SWF) files. Searching for information is the biggest activity on the Internet. More and more web sites use Macromedia Flash movies to deliver more dynamic content. Until now, there has been no way for web site visitors to search for text in a Flash movie. FlashSeek solves this problem and allows users to perform simple queries, such as show me all files that contain the phrase "New York" through to complex queries, such as give me all the movies that have the word "pizza" near to the

word "topping" and don't contain the word "chilli".

Developed using Microsoft's IFilter technology, the FlashSeek plug-in extends the functionality of the Microsoft Index Server product that forms part of the Windows NT4, Windows 2000, Windows XP and Windows Server 2003 operating systems. FlashSeek integrates seamlessly with web applications deployed on Microsoft Internet Information Server (IIS) and works with other Microsoft Indexing technology products such as SharePoint Portal Server and Site Server.

### FEATURES AND BENEFITS

- Extracts all text that appears on the stage from SWF files.
- Allows web sites developed in Flash to be searched.
- Integrates immediately with existing search technologies.
- Allows search solutions for Flash files to be produced using ASP, ASP.NET, Visual Basic, Visual C++ and any other development tools that support Microsoft ADO.

### TECHNICAL INFORMATION

#### Supported Shockwave Flash File Formats

- Shockwave 3
- Shockwave 4
- Shockwave 5
- Shockwave 6

#### Supported Indexing Systems

- Microsoft Index Server 2.0
- Microsoft Index Server 3.0
- Microsoft Site Server 3.0
- Microsoft Share Point Portal Server 1.0



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## CODE SAMPLE

This example uses Index Server 3.0 and Microsoft IIS to create a web page that allows Flash movie files to be searched for keywords. The search results are displayed as a table of matching movies along with an abstract of the text they contain. The example is written for ASP.NET using C#.

Create a web form called search.aspx

```
<form id="search" method="post" runat="server">
Search movies for:
<asp:TextBox ID="txtSearch" runat="server" />
<asp:Button Runat="server" Text="FlashSeek" OnClick="OnSearch" />
<p runat="server" id="lblInfo"></p>
<asp:DataGrid Runat="server" ID="dtgResults"
AutoGenerateColumns="False">
  <Columns>
    <asp:BoundColumn HeaderText="Filename" DataField="Filename" />
    <asp:BoundColumn HeaderText="Abstract" DataField="Characterization" />
    <asp:BoundColumn HeaderText="Size" DataField="Size" />
  </Columns>
</asp:DataGrid>
</form>
```

Add the following code to the search.aspx.cs codebehind file:

```
using System.Data.OleDb;
protected System.Web.UI.WebControls.TextBox txtSearch;
protected System.Web.UI.WebControls.DataGrid dtgResults;
protected System.Web.UI.HtmlControls.HtmlGenericControl lblInfo;

protected void OnSearch(object sender, EventArgs e)
{
  string userQuery = txtSearch.Text;
  if (userQuery.Length == 0)
  {
    lblInfo.InnerHtml = "Please enter a search term.";
  }
  else
  {
    string sqlQuery = "SELECT * FROM WEBINFO WHERE CONTAINS('" +
      userQuery +
      "') AND Filename LIKE '%.swf'";
    string connString = "Provider=MSIDXS; Data Source=Web";
    try
    {
      OleDbConnection conn = new OleDbConnection(connString);
      OleDbCommand cmd = new OleDbCommand(sqlQuery, conn);
      cmd.CommandType = CommandType.Text;
      conn.Open();
      OleDbDataReader rdrFlashResults = cmd.ExecuteReader();
      dtgResults.DataSource = rdrFlashResults;
      dtgResults.DataBind();
      rdrFlashResults.Close();
      conn.Close();
      if (dtgResults.Items.Count == 0)
      {
        lblInfo.InnerHtml = "Your search - <b>" + userQuery +
          "</b> - did not match any documents.";
        dtgResults.Visible = false;
      }
      else
      {
        lblInfo.InnerHtml = "Searched for - <b>" + userQuery + "</b>";
        dtgResults.Visible = true;
      }
    }
    catch (Exception ex)
    {
      lblInfo.InnerHtml = "<b>Error - </b>" + ex.Message;
      dtgResults.Visible = false;
    }
  }
}
```

## Further Reading

**Imagio FlashSeek**  
[www.imagiotech.com/flashseek](http://www.imagiotech.com/flashseek)

**Macromedia Flash**  
[www.macromedia.com/flash](http://www.macromedia.com/flash)

**Microsoft Indexing Service**  
[http://msdn.microsoft.com/library/default.asp?url=/library/en-us/indexsrv/html/indexingservicestartpage\\_6td1.asp](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/indexsrv/html/indexingservicestartpage_6td1.asp)

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