



## ASP COMPONENTS

*ASP Components* are a set of built-in tools that help to customize some basic tasks such as, displaying advertisements, keeping track of the number of visitors to the site etc.

Components are created using the *The CreateObject* method of the **Server object**. Some of the common ASP components are:

- **The Ad Rotator component.** The Ad Rotator component is used to display banner advertisements on the Web pages of a Web site. You can use this component to specify how frequently different banner advertisements should be displayed.
- **The Counters component.** The Counters component can be used to keep track of the number of visitors to your Web site. You can use the Counters component to add a hit counter to a Web page.
- **The Content Rotator component.** The Content Rotator component enables you to rotate through HTML content on a page. For example, you can use the component to randomly display different announcements on the home page of your Web site.
- **The Page Counter component.** Exactly like the Counters component, the Page Counter component can be used to track the number of visitors to a Web page. You can use this component to add a hit counter to a particular Web page.
- **The Permission Checker component.** The Permission Checker component can be used to display links to Web pages only if a user has permission to see them. You can use this component to create Web pages that can be viewed only by the administrators of a Web site.

### How to Create Adrotator

#### Code of ASP File for Adrotator

```
<%  
Set adrotator=Server.CreateObject("MSWC.AdRotator")  
Response.Write(adrotator.GetAdvertisement("ads.txt"))  
%>
```

**GetAdvertisement:** The **GetAdvertisement** method retrieves the Random advertisement from the Rotator Schedule file each time the script is run, such as when a user opens or refreshes a page.

**ASP AdRotator Properties**

Property	Description	Example
Border	Specifies the size of the borders around the advertisement	<% set adrot=Server.CreateObject("MSWC.AdRotator") adrot.Border="2" Response.Write(adrot.GetAdvertisement("ads.txt")) %>
Clickable	Specifies whether the advertisement is a hyperlink	<% set adrot=Server.CreateObject("MSWC.AdRotator") adrot.Clickable=false Response.Write(adrot.GetAdvertisement("ads.txt")) %>
Target Frame	Name of the frame to display the advertisement	<% set adrot=Server.CreateObject("MSWC.AdRotator") adrot.TargetFrame="target='_blank'" Response.Write(adrot.GetAdvertisement("ads.txt")) %>

**Scheduler File for AdRotator**

Assume that we have the following text file, named "ads.txt":

```
REDIRECT banners.asp
WIDTH 468
HEIGHT 60
BORDER 0
*
```

Lines Above \* are optional  
REDIRECT is used to redirect the ASP page to other ASP Page  
WIDTH HEIGHT & BORDER specify the Adrotator space size & Border

```
ASP.jpg
http://www.vinodsrivastava.com/ASPTutorial.asp
ASP Tutorial
50
```

The lines below the asterisk in the text file above specifies the **name of the images (ads)**, **the hyperlink addresses**, **the alternate text (for the images)**, **the display rates (in percent)**.

```
VBSCRIPT.jpg
http://www.vinodsrivastava.com/VBTutorial.asp
VB Tutorial
40
```

```
DATABASE.jpg
http://www.vinodsrivastava.com/DBTutorial.asp
DATABASE Tutorial
40
```

The **Component Rotator** display html content for Web page each time the user refreshes or loads the Web page. Two files are required to set up the Component rotator: an Component rotator Include file(ASP File) and Content Scheduler file(Text File)

**Methods:**

**ChooseContent** : The **ChooseContent** method retrieves an new HTML content string from the [Content Schedule file](#) and displays it on the current page. each time the script is run, such as when a user opens or reloads a page.

**Getallcontent** The **GetAllContent** method retrieves an All HTML content strings from the [Content Schedule file](#) and displays it on the current page. One After other separated by line

**How to Create ContentRotator**

**Code of ASP File for ContentRotator**

```
<%
Set CRot=Server.CreateObject("MSWC.AdRotator")
Response.Write(CRot.ChooseContent("data.txt"))
%>
```

**Scheduler File for ContentRotator**

```
%% #1
<font color="Red"> <B>This is a great day!!</B></Font>
```

```
%% #4
<h1>Smile</h1> 
```

```
%% #3
<a href="http://www.vinodsrivastave.com"> Best MMWT Tutorial Site </a>
```

%% indicate the beginning of new HTML content string

**#no** indicate the weightage of frequency content will appear randomly. Higher the **no** , most number of times the string will be chosen for display

**Difference Between GetAdvertisement & Choosecontent**

GetAdvertisement	Choosecontent
The <b>GetAdvertisement</b> method retrieves the next advertisement from the Rotator Schedule file. Each time the script is run, such as when a user opens or refreshes a page.	The <b>ChooseContent</b> method retrieves an new HTML content string from the <a href="#">Content Schedule file</a> and displays it on the current page. each time the script is run, such as when a user opens or reloads a page.
It is a method of Ad Rotator Component	It is a method of Content rotator Component

**PageCounter** The Page Counter component creates a **PageCounter** object that counts and displays the number of times a Web page has been opened.

### Methods

The **Hits** method returns the number of times that a specified Web page has been opened.

The **PageHit** method increments the hit count for the current Web page.

The **Reset** method sets the hit count for a specified Web page to 0.

### CODE for PAGE COUNTER IN ASP

```
<HTML>
<BODY>
<%
  Set MyPageCounter= Server.CreateObject("MSWC.PageCounter")
  MyPageCounter.PageHit()
  num = MyPageCounter.Hits()
%>
<CENTER><H1>This page has been visited
<FONT FACE="Regular" SIZE=6 COLOR="blue"> <%=num %></FONT>
times.</H1></CENTER>
</BODY>
</HTML>
```

