

How to change IP address and camera source of Java applet using JavaScript

This technical document explains how to link Java Applet from multiple FlexWATCH Network camera and video servers on the third party web site.

● Example Code

This is a example you can refer when you want to make a Web page that shows images from different IP addresses and camera sources. This example consist of four files, 'frame.html', 'view.html', 'tool.html', and 'ip.js'. You can get this files by unzip 'FWT014_src.zip'.

frame.html

'frame.html' loads 'tool.html' at upper side and 'view.html' at lower side.
The lower side will be changed by JavaScript.

```
<html>

<frameset rows="50,*" framespacing="10" frameborder="10" border="0" marginwidth="10" marginheight="10">
  <frame name="f_view_area_l" src="tool.html" marginwidth="10" marginheight="10" scrolling="auto">
  <frame name="f_view_area_r" src="view.html" marginwidth="10" marginheight="10" scrolling="auto">
</frameset>

</html>
```

view.html

```
<html>
<body>

  

  <applet mayscript codebase='http://210.205.118.7/app/applet' name=FWB code='FWB.class' width=320 height=240>
    <PARAM NAME="camnum" VALUE="1">
    <PARAM NAME="camrun" VALUE="TRUE">
    <PARAM NAME="speed" VALUE="0">
    <PARAM NAME="copyright" VALUE="www.flexwatch.com/copyright">
    <PARAM NAME="producer" VALUE="Powered By SEYEON TECH">
    <PARAM NAME="product" VALUE="FlexWATCH - Web Camera Server">
  </applet>

</body>
</html>
```

tool.html

You can insert new site in this file.

If you select a site, JavaScript function "imgIpSrcChange()" could generate new page at lower side.

And then you can see images from other FlexWATCH.

```
<HTML>
<HEAD>
  <SCRIPT LANGUAGE = "JavaScript" src="ip.js"></SCRIPT>
</HEAD>

<BODY>

<!-- Url_to_Applet:ID:PASSWORD:Camera_number -->

<form name="site">
<select name="siteSelect" size="1" onChange="imgIpSrcChange(this.form);">
  <option value="210.205.118.7/app/applet:user1:user1:1"> Posco street</option>
  <option value="211.107.168.1:guest:guest:1"> Kindergarten</option>
  <option value="210.205.118.7/app/applet:user1:user1:2"> Seyeon Tech. Co., Ltd</option>
</select>
</form>

</BODY>
</HTML>
```

ip.js

```
function imgIpSrcChange(form)
{
  var selIx = form.siteSelect.selectedIndex;
  var siteInfo = form.siteSelect.options[selIx].value;

  var siteInfoString = new String (siteInfo);

  var flag = 0;
  var i = 0;
  var items = 4;

  var strUrlToApplet = new String();
  var strId = new String();
  var strPasswd = new String();
  var strCamSrc = new String();

  // Parsing
  while(flag == 0 && i<100)
  {
    if (siteInfoString.charAt(i) == ".")
    {
      items --;
      i ++;
    }

    if (items == 4)
    {
      strUrlToApplet += siteInfoString.charAt(i);
    }
  }
}
```

```
if (items == 3)
    {
        strId += siteInfoString.charAt(i);
    }
if (items == 2)
    {
        strPasswd += siteInfoString.charAt(i);
    }
if (items == 1)
    {
        strCamSrc = siteInfoString.charAt(i);
        flag = 1;
    }

    i++;
}

parent.f_view_area_r.document.clear();
parent.f_view_area_r.document.open();
parent.f_view_area_r.document.write(

    "<html>\n"+
    "<BODY>\n" +

        "<img src='http://'" + strId + ":' + strPasswd + "@'" + strUrlToApplet + "/anyimg.gif' border='0' width='1'
height='1'>\n" +

        "<applet mayscript codebase='http://'" + strUrlToApplet + "'" name=FWB code=FWB.class' width=320
height=240>\n" +

            "<PARAM NAME='camnum' VALUE='" + strCamSrc + "'>\n" +
            "<PARAM NAME='camrun' VALUE='TURE'>\n" +
            "<PARAM NAME='speed' VALUE='0'>\n" +
            "<PARAM NAME='copyright' VALUE='www.flexwatch.com/copyright'>\n" +
            "<PARAM NAME='producer' VALUE='Powered By SEYEON TECH'>\n" +
            "<PARAM NAME='product' VALUE='FlexWATCH - Web Camera Server'>\n" +

        "</applet>\n" +

    "</body>\n"+
    "</html>\n");

parent.f_view_area_r.document.close();
}
```