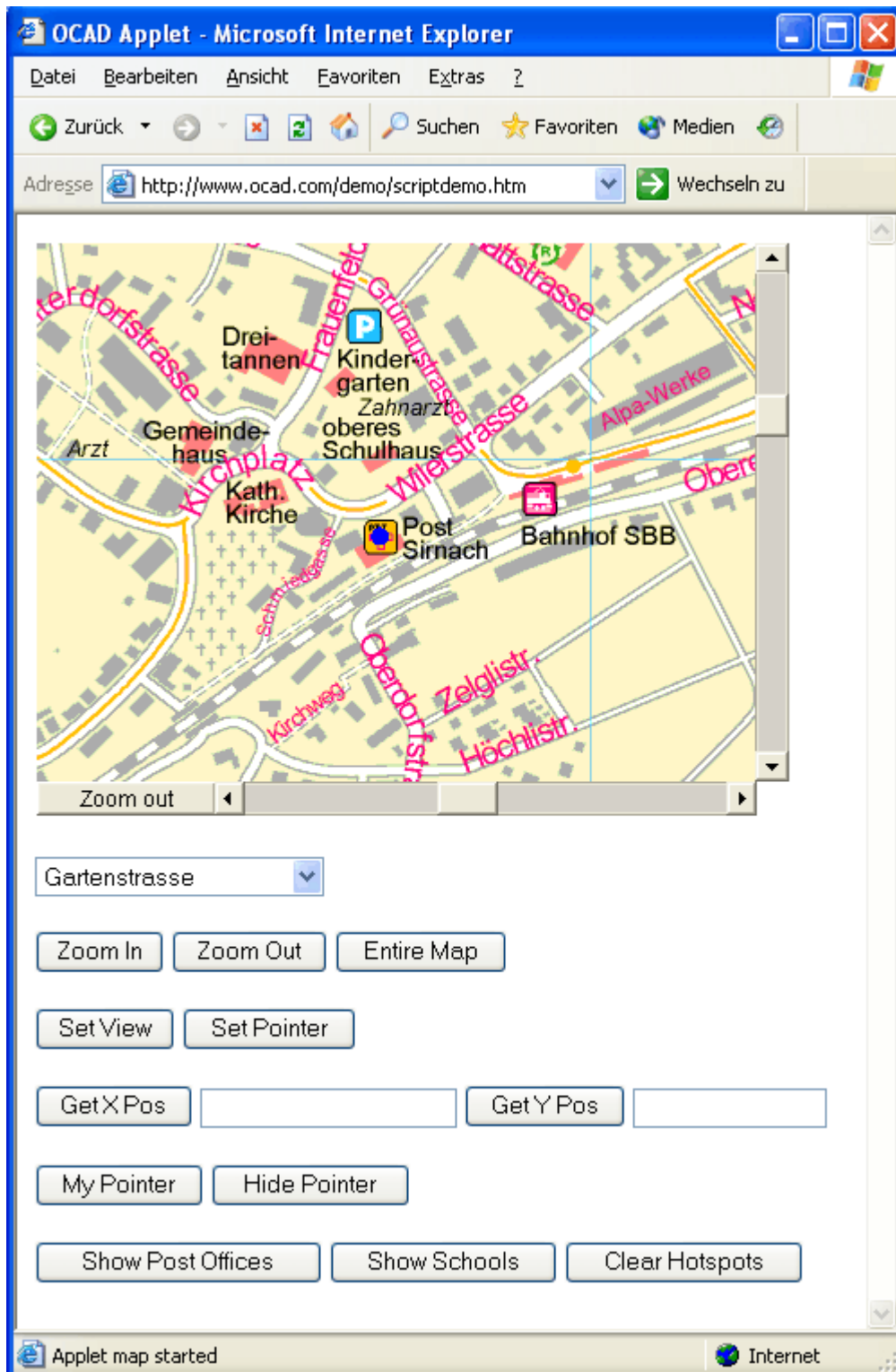


# OCAD® 8 Internet Map Interface Description

## 1. OCAD Internet Map (OIM) Interface Description

Example <http://www.ocad.com/demo/scriptdemo.htm>



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## 2. OIM interface

OIM interface:

Java function	Description
public void resetPointer()	reset existed pointer
public void setPointerColor (int red, int green, int blue)	set color (RGB value) for the pointer
public void drawPointer(int x, int y)	add a point to the pointer symbol
public void setPointer (int zoom, double x, double y)	set pointer
public void setPointerFromString (String s)	set pointer
public void hidePointer()	hide the pointer

Hotspots:

Java function	Description
public void resetHotspot()	reset existed hotspot
public void setHotspotColor (int red, int green, int blue)	set color (RGB value) for the hotspot
public void drawHotspot(int x, int y)	add a point to the hotspot symbol
public void addHotspot (double x, double y, String link)	add hotspot
public void clearHotspots()	clear all existed hotspots

Graphics:

Java function	Description
public void repaint()	repaint JAVA applet
public void zoomIn()	zoom in
public void zoomOut()	zoom out
public void entireMap()	show entire map
public void setView (int zoom, double x, double y)	set new view, coordinates of screen center
public void setViewFromString(String s)	set new view, coordinates of screen center

Misc:

Java function	Description
public String getAppletInfo()	return ,OCAD Applet'
public int getXPos()	get x coordinate of screen center
public int getYPos()	get y coordinate of screen center

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## 3. Source code example

```
<HTML>
<HEAD>
  <TITLE>OCAD Applet</TITLE>
  <SCRIPT LANGUAGE="JavaScript">

    // set the new blue arrow pointer symbol
    function myPointer () {
      document.map.resetPointer();
      document.map.setPointerColor(0, 0, 255); // RGB color blue
      document.map.drawPointer(0, 0);          // create an arrow as pointer
      document.map.drawPointer(0, 14);
      document.map.drawPointer(-4, 10);
      document.map.drawPointer(-13, 18);
      document.map.drawPointer(-18, 13);
      document.map.drawPointer(-10, 4);
      document.map.drawPointer(-14, 0);
    }

    // set the new blue circle pointer symbol
    // add and show new hotspots
    function showPostOffices() {
      document.map.resetHotspot();
      document.map.setHotspotColor(0, 0, 255); // RGB color blue
      document.map.drawHotspot (1, -5);        // create a circle as hotspot
      document.map.drawHotspot(3, -4);
      document.map.drawHotspot(4, -3);
      document.map.drawHotspot(5, -1);
      document.map.drawHotspot(5, 1);
      document.map.drawHotspot(4, 3);
      document.map.drawHotspot(3, 4);
      document.map.drawHotspot(1, 5);
      document.map.drawHotspot(-1, 5);
      document.map.drawHotspot(-3, 4);
      document.map.drawHotspot(-4, 3);
      document.map.drawHotspot(-5, 1);
      document.map.drawHotspot(-5, -1);
      document.map.drawHotspot(-4, -3);
      document.map.drawHotspot(-3, -4);
      document.map.drawHotspot(-1, -5);
      document.map.clearHotspots();
      document.map.addHotspot(-157, -59, "testlink.htm");
      document.map.addHotspot(1189, -625, "testlink.htm");
      document.map.addHotspot(-1360, -1467, "testlink.htm");
      document.map.addHotspot(677, -2383, "testlink.htm");
      document.map.repaint();
    }

    // set the new red circle pointer symbol
    // add and show new hotspots
    function showSchools() {
      document.map.resetHotspot();
      document.map.setHotspotColor(255, 0, 0); // rgb color red
      document.map.drawHotspot(1, -5);        // create a circle as hotspot
      document.map.drawHotspot(3, -4);
      document.map.drawHotspot(4, -3);
      document.map.drawHotspot(5, -1);
    }
  </SCRIPT>
</HEAD>
<BODY>
  <APPLET CODE="OCAD8Applet.class" WIDTH="100%" HEIGHT="100%">
  </APPLET>
</BODY>
</HTML>
```

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```
document.map.drawHotspot(5, 1);
document.map.drawHotspot(4, 3);
document.map.drawHotspot(3, 4);
document.map.drawHotspot(1, 5);
document.map.drawHotspot(-1, 5);
document.map.drawHotspot(-3, 4);
document.map.drawHotspot(-4, 3);
document.map.drawHotspot(-5, 1);
document.map.drawHotspot(-5, -1);
document.map.drawHotspot(-4, -3);
document.map.drawHotspot(-3, -4);
document.map.drawHotspot(-1, -5);
document.map.clearHotspots();
document.map.addHotspot(-328, 276, "testlink.htm");
document.map.addHotspot(-495, 160, "testlink.htm");
document.map.addHotspot(-188, 57, "testlink.htm");
document.map.addHotspot(-158, 1, "testlink.htm");
document.map.addHotspot(-500, 20, "testlink.htm");
document.map.addHotspot(-1684, -1253, "testlink.htm");
document.map.addHotspot(987, -1068, "testlink.htm");
document.map.addHotspot(4, -226, "testlink.htm");
document.map.repaint();
}

// clear hotspots
function clearHotspots() {
    document.map.clearHotspots();
    document.map.repaint();
}
</SCRIPT>
</HEAD>

<BODY OnLoad="showPostOffices()">
<APPLET NAME=map ARCHIVE="OCAD.jar" CODE=OCAD.class WIDTH=420 HEIGHT=320>
  <PARAM NAME=FileName VALUE="Sirnach"> Browser does not support Java!
</APPLET>
<FORM NAME="findForm">
<SELECT NAME="selectName" SIZE=1 onChange="document.map.setPointerFromString
(options[selectedIndex].value)">
  <OPTION SELECTED>Find
  <OPTION VALUE="2,-282,-534">Bachtobel
  <OPTION VALUE="2,-1084,-1507">Bergstr.
  ...
  <OPTION VALUE="2,-1464,242">Winterthurerstrasse
  <OPTION VALUE="2,-73,-173">Zelglistr.
</SELECT>
<P>
<INPUT TYPE="BUTTON" VALUE="Zoom In" onClick="document.map.zoomIn()">
<INPUT TYPE="BUTTON" VALUE="Zoom Out" onClick="document.map.zoomOut()">
<INPUT TYPE="BUTTON" VALUE="Entire Map" onClick="document.map.entireMap()">
<P>
<INPUT TYPE="BUTTON" VALUE="Set View" onClick="document.map.setView(1, 641, -
2374)">
<INPUT TYPE="BUTTON" VALUE="Set Pointer" onClick="document.map.setPointer(2, -
215, -95)">
<P>
<INPUT TYPE="BUTTON" VALUE="Get X Pos"
onClick="XPOS.value=document.map.getXPos()">
<INPUT TYPE="TEXT" NAME="XPOS">
```

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```
<INPUT TYPE="BUTTON" VALUE="Get Y Pos"
onClick="YPOS.value=document.map.getYPos()">
<INPUT TYPE="TEXT" NAME="YPOS">
<P>
<INPUT TYPE="BUTTON" VALUE="My Pointer" onClick="myPointer()">
<INPUT TYPE="BUTTON" VALUE="Hide Pointer" onClick="document.map.hidePointer()">
<P>
<INPUT TYPE="BUTTON" VALUE="Show Post Offices" onClick="showPostOffices()">
<INPUT TYPE="BUTTON" VALUE="Show Schools" onClick="showSchools()">
<INPUT TYPE="BUTTON" VALUE="Clear Hotspots" onClick="clearHotspots()">
</FORM>
</BODY>
</HTML>
```