

How to use JiXiiPuzzle (java applet .jar)

If you save your puzzle as a Java applet (.jar) in JiXii (⌘S), you can use the saved file as a stand-alone application (i.e. you can open it with a double-click on the desktop). Alternatively, you can embed it in a html file to make it available at your site. Here you find a very basic process how to do the latter.

Note: The Java Virtual Machine (JVM) must be installed and enabled.

1. Create your JiXiiPuzzle.

Note: If you are on the way of your own puzzle, you may like to finish it first or save it separately because you need to change the settings to create applets.

- Start JiXii and open the Preferences panel's "Settings" section (⌘,).
- Select a suitable size and piece number for your site (Note: JiXiiPuzzles do not support flip (i.e. 1-face only) nor rotation).
- Click "Change settings" and check the actual size by opening the "Settings" again once after the puzzle is created.
- You can adjust several options at the Preferences "Creation" section.

Note:

1. Background & board colors and sounds are taken from the puzzle option.
2. The "aiff" format is recommended for sounds. For more details, please refer the site such as <http://www.oracle.com/technetwork/java/index.html>.

- Save the puzzle as "Jar (Java applet)" with any name (e.g. "myPuzzle.jar"). The extension "jar" is obligatory.

2. Open a text editor (e.g. "TextEdit") and copy & paste the following source code :

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
<head>
  <meta http-equiv="content-type" content="text/html; charset=utf-8">
  <title>JiXiiPuzzle Example</title>
  <style type="text/css">
    h2
    {
      color:#CC9900;
      font-family:"Helvetica", "Arial", sans-serif;
      text-align:center;
    }
    body
    {
      background-color:#FFFFCC;
      text-align:center;
    }
  </style>
</head>
<body>
<h2><b>My Jigsaw Puzzle</b></h2>
<applet codebase="." archive="myPuzzle.jar" code="JiXiiPuzzle.class"
  width="540" height="640" hspace="5" vspace="5">
<param name="permissions" value="sandbox">
```

```
</applet>
</font>
</body>
</html>
```

3. **Change the strings and numbers written in red** in the source code. Namely,

- **JiXiiPuzzle Example** to whatever title you like to see in internet search results.
- **My Jigsaw Puzzle** to the title you like to see on your page (this title is optional, so you can delete the line (between `<h2>` and `</h2>`)).
- **myPuzzle** to the title of your jar file (keep the extension .jar as it is).
- replace **540** and **640** to the actual puzzle size.

You can see the size in JiXii's Preferences "Settings". To display your puzzle fully with the area for the buttons and the scattered pieces, you need to add (at least) 30 pixels to the width and +100 to the height. Further +180 (or so) should be added to either width or height depending on where you want to scatter pieces. E.g. if your puzzle size is 500 x 370 (w x h) and you prefer scattering pieces below the board, write `width="530" height="650"`.

4. **Change the colors** as you like.

#006600 is a title color and

#006600 is a page background color.

Note: you can refer to the color panel for the Web Safe Colors.

Certainly you can add more text such as instructions between `<p>` and `</p>` just after the `</applet>` in the source) and/or links (e.g. to a previous or next puzzle). For further details tutorial such as at w3schools.com would be helpful.

5. **Save the file with a "html" extension** (using "TextEdit", select "Make Plain Text" under the "Format" menu and then name the file with ".html" (e.g. "JiXiiPuzzle.html") instead of ".txt". Locate this file and the jar file in the same folder.

Note: if you close this html file and double-click it to reopen, "Safari" may open as default. In order to edit the html contents using "TextEdit", you need to select the option "Ignore rich text commands in HTML files" in its Preferences "Open and Save" first. Then drag & drop the file onto "TextEdit" or ctrl-click the html file and select "TextEdit" under the "Open with" menu item.

6. Now **open your html file** ("JiXiiPuzzle.html") with a web browser to see how your page looks like.

If you double-click the html file, "Safari" opens as default. It, however, mostly fails to load local applets. Then, try with "Firefox" (tested v.26 on Mac OSX v.10.9.1) .

If your applet still fails to load, check Java is enabled, make sure the two files (html and jar) exist in the same directory, and the jar file name is written in the html file exactly as it is.

7. **Upload your two files** (xxx.html and xxx.jar) and save them in the same directory.

