

## Pandora XML (PXML) File structure v1.5

A \*.PXML-File should be included with every Pandora application. The name can be anything you like, as long as it uses a .PXML suffix. Basically it's an XML file (and follows the XML standards), but as some apps might use .XML files themselves, it has been named to PXML.

The PXML Files can be easily read out and interpreted by skeezix' lib\_pnd.

It includes various informations about the program as well as can be used to save configuration options from different GUIs (by adding their own config sections).

Every GUI should crawl through the directories in the default app path on the SD Cards and on the NAND to find all the PXML-Files which include everything needed to run apps and sort them into categories / subcategories.

Every GUI can also add its own config options within the PXML.

Here are the standard tags and options:

Entry	Description	Mandatory?
<pre>&lt;title&gt;   &lt;ISO&gt;   &lt;/ISO&gt; &lt;/title&gt;</pre>	The application name. Can be used by the GUI to show the correct name. To make multilingual titles, add them with their ISO codes within the <title> tags. <en> is mandatory.	Yes (only <en>)
<pre>&lt;description&gt;   &lt;ISO&gt;   &lt;/ISO&gt; &lt;/description&gt;</pre>	The description of the application. Standard BB-Code tags can be used to style the text. To make multilingual descriptions, add them with their ISO codes within the <description> tags. <en> is mandatory.	Yes (only <en>)
<pre>&lt;standalone&gt;&lt;/standalone&gt;</pre>	Set to „Yes“ if the program can be run as standalone or „No“ if it needs parameters to run	Yes.
<pre>&lt;unique_id&gt;&lt;/unique_id&gt;</pre>	A unique ID for your program.	Yes.
<pre>&lt;icon&gt;&lt;/icon&gt;</pre>	The path and name to the icon to be shown.	No, Optional.
<pre>&lt;previewpic&gt;   &lt;picX&gt;   &lt;/picX&gt; &lt;/previewpic&gt;</pre>	One or more preview pictures of the program (delimited with <picX> (where X is a number starting from 1) tags) Use relative path.	No, Optional.
<pre>&lt;author&gt;   &lt;name&gt;&lt;/name&gt;   &lt;website&gt;&lt;/website&gt;   &lt;eMail&gt;&lt;eMail&gt; &lt;/author&gt;</pre>	The name, website and eMail-Address of the author. Pretty cool with direct internet access from the Pandora :)	No, Optional.
<pre>&lt;version&gt;   &lt;major&gt;&lt;/major&gt;   &lt;minor&gt;&lt;/minor&gt;   &lt;release&gt;&lt;/release&gt;   &lt;build&gt;&lt;/build&gt; &lt;/version&gt;</pre>	The version number. Can be used to check for updates.	Yes.
<pre>&lt;exec&gt;&lt;/exec&gt;</pre>	The name of the executable to be started (path relative to this XML)	Yes.
<pre>&lt;category&gt;   &lt;main&gt;&lt;/main&gt;   &lt;subcategoryX&gt;&lt;/subcategoryX&gt; &lt;/category&gt;</pre>	The category / subcategories where it will be listed within the menu. You can add as many subcategories as you like (X is an increasing number starting with 1).	Main category is needed, the rest is optional
<pre>&lt;altcategory&gt;   &lt;main&gt;&lt;/main&gt;   &lt;subcategoryX&gt;&lt;/subcategoryX&gt; &lt;/altcategory&gt;</pre>	If your program fits in multiple categories, you can do so using the Alternative Category. You can add as many subcategories as you like (X is an increasing number starting with 1).	No.
<pre>&lt;osversion&gt;   &lt;major&gt;&lt;/major&gt;   &lt;minor&gt;&lt;/minor&gt;   &lt;release&gt;&lt;/release&gt;   &lt;build&gt;&lt;/build&gt; &lt;/osversion&gt;</pre>	If an app needs at least OS Version x.x.x of the Pandora OS, it can be stated here.	No, Optional.

<pre>&lt;associationitemX&gt;   &lt;name&gt;&lt;/name&gt;   &lt;filetype&gt;&lt;/filetype&gt;   &lt;parameter&gt;&lt;/parameter&gt; &lt;/associationitemX&gt;</pre>	<p>Associates the program with one or more filetypes (delimited within &lt;filetype&gt; using a , If filetypes need special start parameters, they can also be defined here. X is an increasing number starting with 1.</p>	<p>Optional, when &lt;standalone&gt; is set to „yes“. Otherwise, at least &lt;associationitem1&gt; is required.</p>
<pre>&lt;clockspeed&gt;&lt;/clockspeed&gt;</pre>	<p>The clockspeed the app will be started with. Doesn't change clockspeed if undefined.</p>	<p>No, Optional.</p>
<pre>&lt;background&gt;&lt;/background&gt;</pre>	<p>Defines, if program should start in background (set to „Yes“) or foreground (set to „No“). Defaults to „Yes“ if undefined. The GUI should have some kind of wrapper which automatically restarts it after the program quits after running in foreground mode.</p>	<p>No, Optional.</p>
<pre>&lt;startdir&gt;&lt;/startdir&gt;</pre>	<p>Change the current path to a different (relative to the XML file) path and start the program afterwards. The current path will always set to the path where the XML-File is in if undefined.</p>	<p>No, Optional.</p>

Here is an example PXML File. Everything printed in bold is mandatory, the rest is optional.

```
<PXML>
  <title>
    <en>Program Title</en>
    <de>German Program Title</de>
  </title>
  <standalone>Yes</standalone>
  <unique_id>123shaboo</unique_id>
  <icon>program.png</icon>
  <description>
    <en>This is the [b]English Description[/b] of the file.
    Can use [i]multiple lines[/i] and BBCode.</en>
    <de>This would be the German description.</de>
  </description>
  <previewpic>
    <pic1>./preview/pic1.jpg</pic1>
    <pic2>./preview/pic2.jpg</pic2>
  </previewpic>
  <author>
    <name>EvilDragon</name>
    <website>http://www.openpandora.org</website>
  </author>
  <version>
    <major>1</major>
    <minor>1</minor>
    <release>1</release>
    <build>2</build>
  </version>
  <exec>program.exe</exec>
  <category>
    <main>Main category</main>
    <subcategory1>Subcategory 1</subcategory1>
    <subcategory2>Subcategory 2</subcategory2>
  </category>
  <altcategory>
    <main>Alternate category</main>
    <subcategory1>Alternate Subcategory 1</subcategory1>
    <subcategory2>Alternate Subcategory 2</subcategory2>
  </altcategory>
  <osversion>
    <major>1</major>
    <minor>1</minor>
    <release>1</release>
    <build>2</build>
  </osversion>
```

```
<associationitem1>
  <name>View this Picture</name>
  <filetype>jpg,bmp,gif</filetype>
  <parameter>view</parameter>
</associationitem1>
<associationitem2>
  <name>Convert this Picture</name>
  <filetype>jpg,bmp,gif</filetype>
  <parameter>convert</parameter>
</associationitem2>
<associationitem3>
  <name>Watch This Movie</name>
  <filetype>mpg,avi,wmv</filetype>
  <parameter>view</parameter>
</associationitem3>
<clockspeed>600</clockspeed>
<background>Yes</background>
<startdir>../differentdir</startdir>
<gmenupandora>
  Optional Config Parameters used by gmenupandora can be placed here.
</gmenupandora>
<anothermenu>
  Optional Config Parameters used by anothermenu can be placed here.
</anothermenu>
</PXML>
```