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## Convert ini-format skins to xml-format

Posted by Rainy - 2010/10/10 08:32

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Here's a script which converts the old ini format skins to the new xml format.

### Requirements:

- Rainlendar 2.8 b96 or newer (get it from the beta forum)
- Python 2.x (Python 3.x might not run the script so make sure you download the 2.x version).

### Usage:

- Download and install Python (if you use Linux or Mac you probably have it already)
- Copy the script to the same folder where the skin's ini files are located
- Run the script either by double clicking it (on Windows) or from the command line (python ConvertSkin.py)

The script will create a new file called skin.xml into the same folder. If there is only one ini file in the folder everything will be written to the skin.xml file. If there are multiple files the script will create a separate xml file for each of them and include them from the skin.xml file.

Rainlendar will try to find the skin.xml file first from the folder so after you've run the script you can refresh Rainlendar, go to options and choose the newly created skin (the old ini format version is not accessible anymore so if you were using the skin Rainlendar will revert to the default skin). If you want to go back to the ini format skin or try the conversion again you can just delete the skin.xml file from the folder.

If you find a skin which cannot be converted with the script but works fine in Rainlendar2 please post a download link to it.

The script can be downloaded from here: [ConvertSkin.py](#)

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## Re:Convert ini-format skins to xml-format

Posted by JSimR - 2010/12/15 06:07

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Thanks for the script but it has errors:

```
$ ./ConvertSkin.py
```

```
Traceback (most recent call last):
```

```
File "./ConvertSkin.py", line 1310, in  
    convertInisToXml(iniFiles)
```

```
File "./ConvertSkin.py", line 89, in convertInisToXml  
    parseIniFile(iniFile, skin, "", True)
```

```
UnboundLocalError: local variable 'iniFile' referenced before assignment
```

In convertInisToXml function, in else part, you call parseIniFile(iniFile, skin, "", True) but iniFile variable doesn't exist. I changed this by iniFiles.

With this change, the script creates the xml file but incomplete. It shows several errors:

```
$ ./ConvertSkin.py
```

```
ERROR: The color 0 has too few characters
```

```
ERROR: The color 0 has too few characters
```

```
Traceback (most recent call last):
```

```
File "./ConvertSkin.py", line 1310, in  
    convertInisToXml(iniFiles)
```

```
File "./ConvertSkin.py", line 102, in convertInisToXml  
    tree.write(output)
```

```
File "/usr/lib/python2.6/xml/etree/ElementTree.py", line 663, in write  
    self._write(file, self._root, encoding, {})
```

```
File "/usr/lib/python2.6/xml/etree/ElementTree.py", line 707, in _write  
    self._write(file, n, encoding, namespaces)
```

```
File "/usr/lib/python2.6/xml/etree/ElementTree.py", line 707, in _write  
    self._write(file, n, encoding, namespaces)
```

```
File "/usr/lib/python2.6/xml/etree/ElementTree.py", line 698, in _write  
    _escape_attrib(v, encoding)))
```

```
File "/usr/lib/python2.6/xml/etree/ElementTree.py", line 830, in _escape_attrib  
    _raise_serialization_error(text)
```

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```
File "/usr/lib/python2.6/xml/etree/ElementTree.py", line 777, in _raise_serialization_error
  "cannot serialize %r (type %s)" % (text, type(text).__name__)
TypeError: cannot serialize None (type NoneType)
```

I'm on Ubuntu Linux 10.04 32 bits with python 2.6.  
The skin to convert is this: <http://www.customize.org/rainlendar/skins/35411>

The created xml file is unusable.

```
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I have tested with other and other error:
$ ../ConvertSkin.py .
File contains parsing errors: /home/simon/Descargas/Glossy Se7en/Glossy.ini
:'
```

The skin is: <http://www.customize.org/rainlendar/skins/69058>

```
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Finally I have found one skin that this script was able convert.
The normal version of this skin: http://benijamino.deviantart.com/art/Imagine-for-Rainlendar-v2-41951891?q=boost%3Apopular+in%3Acustomization%2Fskins%2Fcalendars%2Frainlendar&qo=0
But Rainlendar2 doesn't recognize the skin converted. :huh:
```

This script is totally unusable. :(

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## Re:Convert ini-format skins to xml-format

Posted by Jorge\_Luis - 2010/12/15 11:37

First of all, i know nothing about Python, but yes about programming, so, here's my help. There are some problem which can be solved but simply i don't know how.

I think that your correction was correct about iniFiles

In the first case, the SimpleNote skin (<http://www.customize.org/rainlendar/skins/35411>), i'm not sure, but i think that the problem is the skin doesn't have a event list window. And that is "TypeError: cannot serialize None (type NoneType)"  
If you comment the CreateEventList line, you will have troubles again, because CreateToDoList checks for the header in the eventlist (which again, doesn't exist)  
If you comment both lines, the calendar will be showed.

With the second skin (<http://www.customize.org/rainlendar/skins/69058>) the error is clear: if you look the Glossy.ini file you will find there is a missing square bracket in "Profile 5" section (the `\r\n` is the end of line and carriage return or Enter)

But after solve that, there is a problem with the ConvertSkin.py in CreateEventList and CreateToDoList

```
if len(prefix) > 0:
    window.set("id", prefix + " - Event List")
else:
    window.set("id", "Calendar")
```

The last line needs to be different: `window.set("id", "Event List")` and `window.set("id", "Task List")`. There can't be 3 different windows with the same id. (a bad copy/paste :P )

With this change, the 3rd skin works well, except the fact i need to rename those `imaginev2_small_xxxxx.ini` because Python error in `today=ET.SubElement(calendar, "today")`. `calendar` is None.

I hope this helps you.

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## Re:Convert ini-format skins to xml-format

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Posted by JSimR - 2010/12/15 11:54

Jorge\_Luis wrote:

```
...
if len(prefix) > 0:
    window.set("id", prefix + " - Event List")
else:
    window.set("id", "Calendar")
```

The last line needs to be different: window.set("id", "Event List") and window.set("id", "Task List"). There can't be 3 different windows with the same id. (a bad copy/paste :P )

Thanks. With this change I could translate and use the last skin: Imagine for Rainlendar v2 (it's perfect for me) :)

I attach the modified script. <http://www.rainlendar.net/cms/images/fbfiles/files/ConvertSkin-43d6c855195fd31c3453be46da5b0abe.py>

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## Re:Convert ini-format skins to xml-format

Posted by Rainy - 2010/12/15 12:52

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I made the changes to the original script and added some more error handling too so it doesn't crash so easily.

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## Re:Convert ini-format skins to xml-format

Posted by JSimR - 2010/12/16 05:10

Rainy wrote:

I made the changes to the original script and added some more error handling too so it doesn't crash so easily.

I have a problem with the conversion of this skin: <http://benijamino.deviantart.com/art/Imagine-for-Rainlendar-v2-41951891?q=boost%3Apopular+in%3Acustomization%2Fskins%2Fcalendars%2Frainlendar&qo=0>

The alarm window hasn't button to close or snooze.

I attach zip file with ini original and xml. [http://www.rainlendar.net/cms/images/fbfiles/files/imagine\\_v2.zip](http://www.rainlendar.net/cms/images/fbfiles/files/imagine_v2.zip)

It creates duplicates elements:

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## Re:Convert ini-format skins to xml-format

Posted by Rainy - 2010/12/16 11:07

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The script is updated again. The dismissing the alarm window should work now (the ini format skins do not have buttons in the alarm) and duplicate elements shouldn't happen anymore.

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## Re:Convert ini-format skins to xml-format

Posted by evanade - 2010/12/17 08:01

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This one maybe have some problem.  
<http://customize.org/rainlendar/skins/69058>  
I run the script but the skin.xml doesn't creat.

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## Re:Convert ini-format skins to xml-format

Posted by Rainy - 2010/12/17 08:29

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The Glossy Se7en skin is broken. It's missing the ']' char from one of the profile sections.

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## Re:Convert ini-format skins to xml-format

Posted by Lunacy - 2010/12/25 16:44

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I was using the Exceed skin found here:  
<http://customize.org/rainlendar/skins/40298>

The conversion seemed to work fine... I have the .xml file. But Rainlendar doesn't notice it and only opens the old .ini version. I changed it to .r2skin, as well, but still no luck. What part am I missing? This is using the newest beta build of Rainlendar and Python 2.7.

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## Re:Convert ini-format skins to xml-format

Posted by Jorge\_Luis - 2010/12/25 18:59

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Well... no. The conversion didn't work. The xml file is corrupted, so that is why Rainlendar didn't list the xml file but yes the ini file.

I track the problem to:

```
...
YearBitmapName=
...
YearRasterizer=BITMAP
...
```

Year is a BITMAP, but no bitmap name is selected. According to the image in the site, there's no year in the calendar (or i didn't see it).

You need to delete the "BITMAP", or here is the xml file. (rename it to skin.xml)

<http://www.rainlendar.net/cms/images/fbfiles/files/skin-e0853a0c2efaa869cc1f7d0f83f1d38b.xml>

.PY ERROR NOTE: I don't know why the output says "ERROR: Unknown align: AAAAAA". There are only 2 places where it says AAAAAA: "EventListFontColor" and "FontColor" in , none of them is an alignment.

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## Re:Convert ini-format skins to xml-format

Posted by Rainy - 2010/12/26 04:23

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I updated the script so that it doesn't crash in this kind of situation anymore. The problem with the align error is fixed too.

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## Re:Convert ini-format skins to xml-format

Posted by celticrenaissance - 2011/08/14 08:21

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Hi there  
No skin xml was produced when i tried to convert this skin!  
<http://customize.org/rainlendar/skins/42647>  
take care

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## Re:Convert ini-format skins to xml-format

Posted by Jorge\_Luis - 2011/08/14 08:55

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celticrenaissance, I already uploaded the skin file (inside a zip, you need to unzip it) in the other post:  
[http://www.rainlendar.net/cms/index.php?option=com\\_kunena&Itemid=42&func=view&catid=6&id=15775#15788](http://www.rainlendar.net/cms/index.php?option=com_kunena&Itemid=42&func=view&catid=6&id=15775#15788)  
See under "File Attachment"

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## Re:Convert ini-format skins to xml-format

Posted by celticrenaissance - 2011/08/14 13:48

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Cheers mate. I hadn't noticed the attachment there. However, I'd made a few mods to the skin. I've uploaded this modded version. Is there any chance that you would be able to do the same conversion thing for me? It would be greatly appreciated.

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## Re:Convert ini-format skins to xml-format

Posted by celticrenaissance - 2011/08/14 13:50

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seems that file was too big for the server. I'll just upload the ini (that'll work won't it?)  
<http://www.rainlendar.net/cms/images/fbfiles/files/English.ini>

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## Re:Convert ini-format skins to xml-format

Posted by Jorge\_Luis - 2011/08/14 17:22

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Here you have the r2skin file zipped with you English.ini file.  
Looks like there is a missing file called Line2.png, you need to copy that file to the Graphics folder (inside the r2skin file)

[http://www.rainlendar.net/cms/images/fbfiles/files/ClearskinforRainlendar\\_byjid1\\_0-a3ab1d12893c24b0e1a831b8e67d2825.zip](http://www.rainlendar.net/cms/images/fbfiles/files/ClearskinforRainlendar_byjid1_0-a3ab1d12893c24b0e1a831b8e67d2825.zip)

PS: I hear about "Trebuchet MS" font, but never about "Trechubet MS" font :silly:

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## Re:Convert ini-format skins to xml-format

Posted by lebon00 - 2011/08/22 11:43

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Hi,

The plugin gives no results for these two skins:

Dashboard FR and Classic 1.1 Fr.

Anyone can help me.

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Thank you very much. [http://www.rainlendar.net/cms/images/fbfiles/files/Dashboard\\_FR.zip](http://www.rainlendar.net/cms/images/fbfiles/files/Dashboard_FR.zip)

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## Re:Convert ini-format skins to xml-format

Posted by movezerb - 2011/08/22 15:48

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Hello !

Just tried to convert this skin and got no result...  
Anyone has a clue? <http://www.rainlendar.net/cms/images/fbfiles/files/Glassy.zip>

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## Re:Convert ini-format skins to xml-format

Posted by anoob - 2011/08/23 14:34

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@lebon00 and @movezerb  
following is what i found:

Common issues:  
There are a error occur when convertskin.py trying to convert "DaysWeekendFontColor=xxxxxx".  
Work around:  
Delete (or use # mark as comment) the line 343 in convertskin.py:  
element = createFontElement(skin, getOption(config, section, "DaysWeekendFontColor"), "font.weekends")

Individual issues:  
For "Dashboard FR" skin:  
a) Please modify into and all other like that.  
(note: into , into , into )  
b) Please check all "color=xxxxxx" has 6 bits, because i found some has not 6 bits.  
c) "MessageBoxBitmapName=" is no set, please setting.

For "Glassy" skin:  
a) Please check all "color=xxxxxx" has 6 bits, because i found some has not 6 bits.  
b) In section, it setting "Name=F»e", but it not support double-byte character when convert to xml. So, please reset it as single-byte character.  
c) Can't convert "Command=!RainlendarQuit". So, please open skin.xml then modify the line 81 into ""

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## Re:Convert ini-format skins to xml-format

Posted by movezerb - 2011/08/24 13:08

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Hello

I tried what you explained but still it does nothing.  
The command window opens up and shuts down in a second, displaying no command line...  
Would it be too much to ask someone to convert the zip file for me and re-post it here please?

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## Re:Convert ini-format skins to xml-format

Posted by anoob - 2011/08/25 01:26

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The command window opens up and shuts down in a second, displaying no command line... you can use "Command Prompt" and change to the folder that has the ini file. Then type "convertskin.py" and press Enter to see what happen.  
[http://www.rainlendar.net/cms/images/fbfiles/images/2011\\_08\\_25\\_1.png](http://www.rainlendar.net/cms/images/fbfiles/images/2011_08_25_1.png)

Here include what you want (skin.xml) and the files (glassy.ini & convertskin.py) that had been modified.

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[http://www.rainlendar.net/cms/images/fbfiles/files/Glassy\\_converted.zip](http://www.rainlendar.net/cms/images/fbfiles/files/Glassy_converted.zip)

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## Re:Convert ini-format skins to xml-format

Posted by movezerb - 2011/08/25 02:47

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Seems it's not working either...

Here's the response I got:

<http://www.rainlendar.net/cms/images/fbfiles/images/Capture-f6693a9fd0d229ab030f33a090e7baeb.JPG>

Anyway, thanks for the converted file, gonna try it now :)

=====

## Re:Convert ini-format skins to xml-format

Posted by Rainy - 2011/08/25 12:33

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Python doesn't seem to like paths with '!'-char so you need to put the script somewhere else (e.g. C:\Temp). I did some updates to the script so you should download it again.

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