

HOW-TO:Debug python scripts with WinPDB

 ► Development ► Add-on development ► Python development ► **HOW-TO:Debug python scripts with WinPDB**

You can easily debug python scripts running inside XBMC in a few simple steps using WinPDB!

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1 Requirements

- XBMC installed on Linux or Windows (should also work fine on Mac)
- Install WinPDB (<http://winpdb.org/>). Download the binary installer for Windows or Mac, use this command for Linux:

```
$ sudo apt-get install winpdb
```

- On Mac, Windows and some Linux distros you will also need to install wxPython (<http://www.wxpython.org/download.php#binaries>). If you are using 32-bit python, use the 32-bit version. Always get the unicode version

2 Create a symlink for the debugger

How to make a symlink in Linux

- Assuming your script's name is Foo

```
$ cd /home/<user>/.xbmc/scripts/Foo
$ ln -s `find /usr/lib/pymodules -name rpdb2.py`
```

How to make a symlink in Windows

- At Command Prompt type the equivalent of this, with your own paths:

For Windows 7

```
mklink "C:\Program Files (x86)\XBMC\addons\plugin.video.icefilms\rpdb2.py" "C:\Python27\Scripts\rpdb2.py"
```

For Windows XP, Vista

```
fsutil hardlink "C:\Program Files (x86)\XBMC\addons\plugin.video.icefilms\rpdb2.py" "C:\Python27\Scripts\rpdb2.py"
```

The first path makes the link in your addon folder, the second path tells the link to point to where the original rpdb2.py file can be found.

3 Modify your script to enable debugger

- Edit /home/<user>/.xbmc/scripts/Foo/default.py and add the following code to the top

```
import rpdb2
rpdb2.start_embedded_debugger('pw')
```

4 How to start WinPDB

- Linux: (Desktop Menu Bar -> Applications -> Programming -> Winpdb)
- Windows/Mac: Execute winpdb.py. For a quicker launch, make shortcut on desktop for (example location:)

```
C:\Python27\Scripts\winpdb.py
```

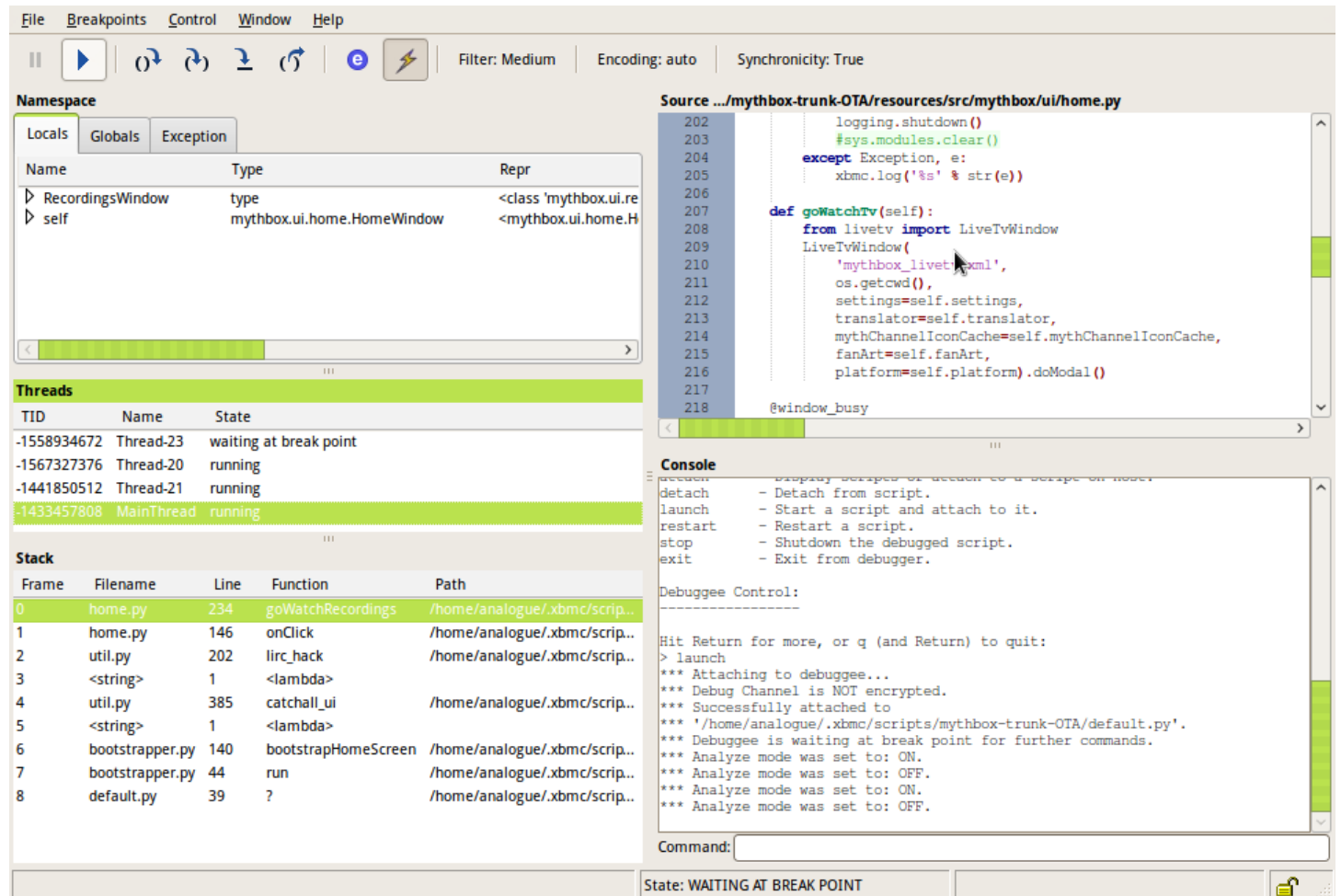
5 Start debugging session

- From within XBMC, start your script (it will appear to sit there and hang)
- Start WinPDB
- In WinPDB, select File->Password and enter "pw" (no quotes)
- Select File->Attach. You should see your running script in the list box along with its PID and filename.
- Select your script and click OK. The debugger is now attached to your script.

6 Setting breakpoints

TBD

7 Screenshot



8 See also

- Add-ons
- Category:All add-ons
- 3rd party add-on repositories

Development:

- Add-on development
- Addon Settings
- Python development
- Add-on repositories
- Official add-on repository

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