

PyNutButter

BETA

bread spread, KILLS KITTENS DAILY!

save time and money, come kill kittens with us



A Private Project and Presentation
by

ALEX GORETOY

small project, big deal

NOW IN 3D!*

*3D glasses are not subject to work if you haven't been drinking

DEVELOPER NEWS FROM

PyNutButter JellPy TIME

LATEST PyNutButter TO TIME

yesterdays entertainment today, seriously)

**"PyNutButter,
KILLS 42 KITTENS. YESTERDAY....AGAIN!
AND IS STILL ON THE RUN!" -says User**



NOTE: PyNutButte

REAL KITTENS.

If you think of kittens as superfluous repetitions, bugs, headaches, obstacles, etc...
Then in that aspect PyNutButter KILLS KITTENS!

PyNutButter

NEW & IMPROVED!

BETA

Customize It, Use It, Don't Abuse It!

Python, dough, jars, bread, spread

PyNutButter

50% FAT FREE

Customize Flavors for all Clusters

Multiple Flavors - pcreamysql, pcrunchly and more soon...
PASS THE PYNUTBUTTER, TO THE LEFT HAND SIDE
the other left

MOTTO: We've got what it takes to butter your bread...



- **What is PyNutButter BETA?**

It's a project that handles parsing and mapping of data to custom defined functions. These functions either send the data or store a value to send later to proper field. Data can has lots of representation of itself. The functions handle those datas recursively, manipulating values for every line in the data source. eg. csv/excel spreadsheet, database, etc... After mapping data headers to appropriate fields and assigning these designated functions it pushes those manipulated data to its destination. http/etc...

- **How did you come up with the name and why the look?**

1. I came up with the name while partaking in a cup of tea and eating a peanut butter sandwich with some friends. I was explaining to them how I built this program and what language it's written in. I simply put 2 and 2 together.
2. It is pronounced as (**pie-nut-butter**)
3. **PyNutButter** sports **Google** colors in reverse then forwards, very convenient
4. It gives you more levels of creativity to work with in order to make a cool tool
5. I've been trying to come up with this kind of name for a while, what do you think?

- **What inspired you to build this project?**

1. It was the Peanut Butter sandwich. I thought about the jars, butterknives, bread,spread,etc.... I'm thinking of make a toaster next. It will be called toastd making pynutbutter and JellPy clients so more people can start having Toastd PyNutButter Sandwiches in the mornings. I wanted to build something people would find useful and time saving. Something that would just plugin to something else or work on its own behalf. Based on the configuration.



- **Did you NOT have any Jelly on your sandwich?**

No, I didn't. It was a plain Peanut Butter Sandwich. I know I missed out.

- **How did you come up with the whole KILLS KITTENS thing?**

I don't know. I just wanted it to be entertaining at the same time. When talking about performing tasks, repetitions, time consuming operations, etc...

- **What does this project aim to achieve?**

1. Save time, money and minimize stress/headaches that come with handling data
2. Introduce a new concept of handling significant amounts of distinct data from alternate sources for importing into other data storage locations
3. Research, Break New ground on future projects eg. JellPy, other projects and application, addons, etc
4. Allow you to churn/spread the **PyNutButter**, Do the "Peanut Butter Jelly Time" Dance and much more...

- **Why choose **PyNutButter** over anything else?**

1. Simple. This is a unique project. There's nothing like it.



- **Why choose PyNutButter?**
 1. It's Unique. There's simply nothing like it.
 2. It rewards you with **FREE** time to do other things, you don't have to **PAY** for it
- **Why build PyNutButter Project?**
 1. In 2006, I've done alot of researching for an application that allows me to take different types of data presentations and insert them into any system, with no luck.
 2. Other products don't handle distinct data, they are most made for a single system to handle a single/multiple type of data representation, This project aims to resolve that
 3. **PyNutButter** fills the gap when importing/export data from multiple web systems
 4. Lets the monkey out of the cage, so to speak. There's alot of potential for new concepts and technologies to emerging from **PyNutButter**
- **Is PyNutButter the answer?**

Yes and No.It is A answer. For each his own.
- **Why should I PyNutButter my Cluster?**
 1. Acts as a medium between systems. Allows you to merge/import distinct data into any project.
 2. Lots of potential as Labs Tool for Google Docs. Imagine

FROM OUR SPONSORS

PyNutButter JellPy TIME

PyNutButter JellPy TIME

(yesterdays entertainment today, seriously)

**OH, NO Wise are we dancing?
When wheeze should be running!**



PyNutButter

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PyNutButter

BETA

- **Was it always called PyNutButter?**

No, It's gone through like 6 different name changes and numerous major versions

- **How long have you spent on this project?**

I spent roughly two years on and off on it. Planning, designing and development of this project alongside other projects. I started making PyNutButter Sandwiches about a month ago. When I learned about them. This is what it has evolved to. Now I want to share it.

- **Why did it take you so long to build?**

I've built this tool in two different languages (**PHP** and **Python**) Roughly 1.5 years on and off went to research and development of **PHP** version. It has a **Web Front GUI** for mapping data headers to fields and such. I started development of this **Python** version after leaving **Google/WFL**, 6 months ago in July 2008. The Python version only has a command-line/terminal interface at the moment.

- **Why present PyNutButter, don't you think they have something like this 10 years ago or something?**

1. Sure, but **PyNutButter** brings a cool dance and a buttery sense of creative application design, development, planning and thinking. Therein presenting it's strength and versatility.
2. **PyNutButter** is a hot ticket, I want to see if I can use it to get **a nice career**.
3. **PyNutButter** is able to **KILL** a good amount of KITTENS.

1. Example:

Excel Spreadsheet with some project costs is received from a construction crew manager/builder by Bob.

Bob needs to input this data into the corporate system and still have time to play some Guitar Hero. How does he achieve this and still get to jam out? These data have a representation he has not seen before and could take a significant amount of time to import. What is Bob to do? Bob would be in serious trouble. Working late, missing his Guitar Hero session and upsetting his girlfriend. Were it not for **PyNutButter**. **PyNutButter** can import those data headers from the spreadsheet into the internal corporate system via http protocol, with more on the way. It allows you to define functions, to run them on data located in header. This can be restricted.

We have all been there at some point in time. Importing data into storage locations from data source we didn't create. Pulling out hair and watching time fly by while we manually have to import datas.

There's no longer a need to do that anymore. NOT when you have **PyNutButter**

DEVELOPER NEWS FROM

PyNutButter JellPy TIME

LATEST PyNutButter TO TIME

yesterdays entertainment today, seriously)

PyNutButter is Ruthless



PyNutButter

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BETA

- **Have you asked yourself any one of these questions before?**

1. Why did they combine/separate that into one/multiple column/s/file/s etc?
2. Why did they use that as a separator?
3. Who made this crap? What were they thinking?
4. Couldn't they have merged this into one file?
5. How can I do this without really doing it?
6. Where is a good tool when you need one?
7. When does the horror end?
8. How old is this chicken in the fridge?
9. Why is that kitten scratching my sofa feverishly ?
10. Who let the dogs out?
11. Why can't I spent more time with the kids and let some automated thing do s*** for me?
- 12.

Simple

PyNutButter KILLS KITTENS!

USER NEWS FROM

PyNutButter JellPy TIME

LATEST PyNutButter TO TEST

(yesterdays entertainment today, seriously)



"Hey there folks, I just wanted to tell y'all how pleased I am with this product **PyNutButter**. I've saved a ton of time import'n manufact'rer datars into my online shoppin' cart. Then I created a little excel file with columns I mapped to My WordPress Blog. Just for kicks. It shows all my datars in the website just like advertised. **PyNutButter** really did KILL them KITTENS. Lost count how many but, It slaughtered 'em. Total massacre it was I tell ya. Come to think of it. All 'cuz a **PyNutButter** my gf came back. My dog came back, then ran away and then came back again. Above all though that darn record stopped skippin'. Now I can finally do the **PyNutButter JellPy Time** Dance. **PyNutButter** may have even got me into a good career. Truly a life saver folks. Thank you for such a great product. Can't go wrong with some **PyNutButter JellPy Time**" -User

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PyNutButter

BETA



Application Structure

- **ButterKnives** - Holds your connector/parser Libraries **eg.** csv parser/mysql/pycurl/ etc
- **Dough** - Holds all other Libraries for use in PyNutButter(currently empty)
- **Jars** - Function Modules that perform all grunt work on your data as defined inside the jar configuration file (more on this later) Customize these to your liking/tastes.
- **pynutbutter.py** - get vars from term parses options/files and send control to bread
- **bread.py** - sets default fields, loops lines, run jar function, send control to spread
- **spread.py** - sends ****kwargs** to jar_controller of running jar
- **stdout_colours.py** - output in color, function caller and current function called, makes it easy to distinguish sections when it scrolls on screen really fast.

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PyNutButter

BETA



parsercsvy.
py



parsercsvy.
pyc



pcreamysql.
py



pcreamysql.
pyc



pcrunchly.py



pcrunchly.pyc

ButterKnives
aka Flavors

ButterKnives (act as a medium for parsing/sending/receiving datas)

- **parsercsvy.py** - parses any given file/s into buffer for use throughout PyNB
- **pcreamysql.py** - connects to mysqldb and executes cursor queries from jar_model simply pronounced as (k-re-me-s-key-l)
- **pcrunchly.py** - used for sending/receiving http get/post from inside Jar_controller pronounced as (k-run-ch-lee)

Future plans include but are not limited to:

scaPy, pexpect, csvfile/news/https/ftp/sftp/pop3/smtp/svn protocol support, etc...



Jars - allows for abstract function definitions and configuration separation

- allow for easy creation and separation of new functions, mappings and options
- you can use multiple flavors inside of jars, mix and match any way you see fit
- allows for creation of sub-applications
- You can also create a jar to only handle a certain manufacturer/data source provider.
- future releases will include peanuts or dajars (data jars) inside the jar modules. Allowing you to inject data into the already parsed data. Based on other predefined options and functions. Before the bread is flavored and sent into the stomach via the mouth for chewing and swallowing the peanut butter sandwich into the data storage location



Drawbacks and Disadvantages

- Doesn't work right out of the box, some configurations for your situation is required
- Only works with csv files/excel spreadsheets as data source. Future plans include for using alternate data sources/storages eg. pop3/https/ssh etc...
- Only allows to send parsed/mapped data to storage via mysql and curl (See Above)
- You have to configure options manually
- Configuration can be a pain for most operations, Somewhat time consuming. You have to use some sort of proxy(paros,charles,etc..) to create your configuration. A Web-Front **GUI** resolves that (currently written in **PHP** and very ugly,separate from **PyNB**,but **works**)
- is very slow, it uses curl and sometimes you need to use time.sleep() inside your functions in order for things to operate properly
- It is very dangerous tool and could be used in some very bad ways by some bad people

- Doesn't allow you to map complex variations from alternate data source, but it loads all configured files from jars/jar/files or files, if that doesn't exist

- This tool has bugs and is NOT Perfect, None the less it's the idea that counts
- PyNutButter could use a total rewrite, after careful design and planning with the team
-

The logo for PyNutButter, with 'Py' in red, 'Nut' in blue, and 'Butter' in green, all on a black background.

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Needed Prerequisites to run it:

Linux - I used Ubuntu 8.0.4.1 to create **PyNutButter**

Python 2.5.2 (haven't tested with others yet)

MySQLdb - for mysql support(is a flavor)

pyCurl/urllib/urllib2 - for requesting/receiving datas(is another flavor)

csv - for getting data from csv file to parse, map and send using a flavor(yet, another)

more flavors coming soon as needed...

Simple to install **PyNutButter**:

drop the pynutbutter dir in your home dir and cd into it. chmod +x pynutbutter.py and your ready to go.

quick example how to run:

#parses data as defined in jar conf, runs specific functions and send data

#jar is only mandatory param, all other are optional and override jar conf defined settings

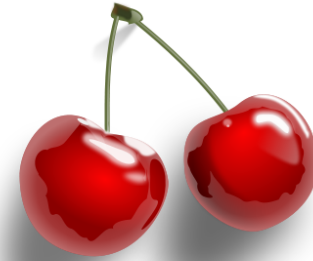
```
./pynutbutter.py jar="construct_1" flavor="pcrunchly:0,pcreamysql:1"
```

#overrides defined files inside jar configuration file

```
./pynutbutter.py jar="generic" b="pcreamysql:1" file="some_unexpected_data_provider.csv"
```

```
./pynutbutter.py j="xcart" b="pcrunchly:1" f="products.csv" o="mod:custom,opt:options"
```

Who wants to pop one?



PyNutButter **NEW & IMPROVED!**
BETA

**WHAT WAS ONCE WARRANTED,
IS NOW FREE OF ALL WARRANTY.**

NEW & IMPROVED!

PyNutButter

BETA

SMILE

YOU JUST MADE TIME FOR GUITAR HERO

OR

PyNutButter JellPy TIME

PyNutButter JellPy TIME

yesterdays entertainment today, seriously)_

PyNutButter

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- We talked so much about **PyNutButter** Project, but What about **JellPy**?

JellPy is a sister project of **PyNutButter**. It's currently being engineered by **PyNutButter** Developers. It's too early for me to say any details about this project, but it aims to be either a **PyNutButter** Plugin or something as `sed` is to `awk`. **Please note**: somethings may change in the layout of this app by the time you get this. The idea is the same, none the less.

- Where can I find this project online?

You can find it online. It is a Public Project. GNU GPL v2(this may change)

<http://code.google.com/p/pynutbutter> FOR PUBLIC USE(contact me for private)

<http://code.google.com/p/jellpy> FOR PRIVATE USE

- Have questions or want more information?

How to Contact **Alex Goretoy**:

email: aleksandr.goretoy@gmail.com

It was fun making this for you guys and girls :) want more?

It is strictly meant for entertainment purposes and to display my current project

I hope to not have offended anyone and get a nice job, notice the cherries



**SAVES TIME
AND MONEY**

**SLAUGHTERS THEM
KITTENS!**

About Me



Alex has worked in information technology for the past five years. During that period, he has held a wide array of positions. In his current roles with ForMyMuffin & MainHostMark, Alex oversees a data mapping project called **PyNutButter**. A online shopping cart carrying a large variety of sexy products. Design, Development, Administration, Networking, Project Planning, Hosting, Training and other services. Alex prefers to work in a team environment. He is not married, has no kids or pets. Likes to work with computers, make presentations, eat, travel and meet new people. He is a all around good guy. Who tries to think about other before himself and doesn't perform anything out of personal gain. It is also believed that he may have a mild case of [ASDf](#). Which may slow him down, but doesn't stop him from achieving his success. People who know him see him as being very driven and determined individual. He is ready to achieve any and all success. He is a Total Rock-Star.

grep -i success

mhm BLEEP BLEEP BLEEP



THATS ALL FOLKS!

MAYBE WE CAN REALLY TALK WHEN/IF I GET ON THE PAYROLL

SERIOUSLY

bye bye