

RunBLAST = Cloudman . exe

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[Galaxy 2011](#)

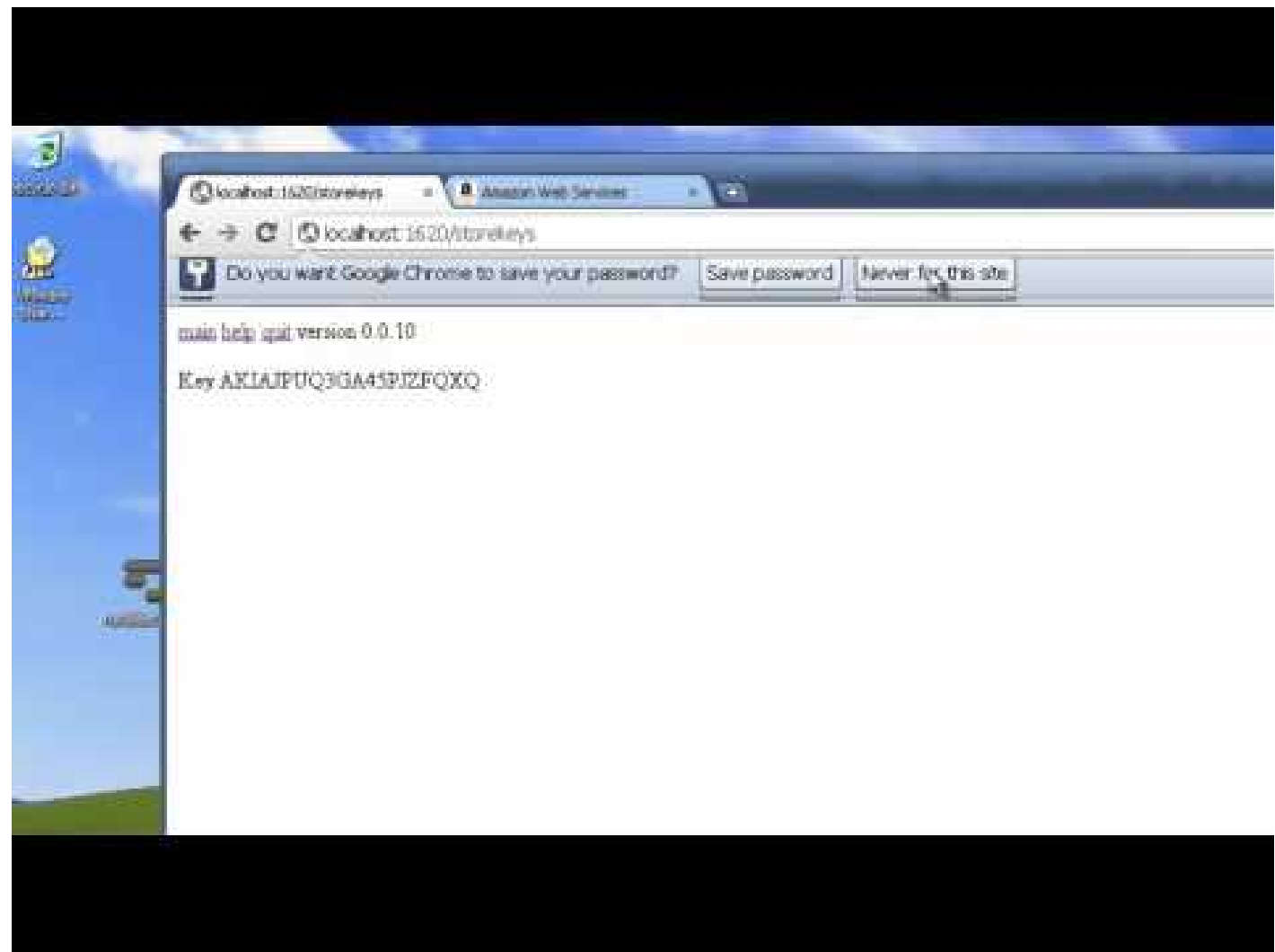


Cloudman

Galaxy for Amazon EC2

- Enis Afgan
- <http://usegalaxy.org/cloud>
- 99% of the work

User Experience

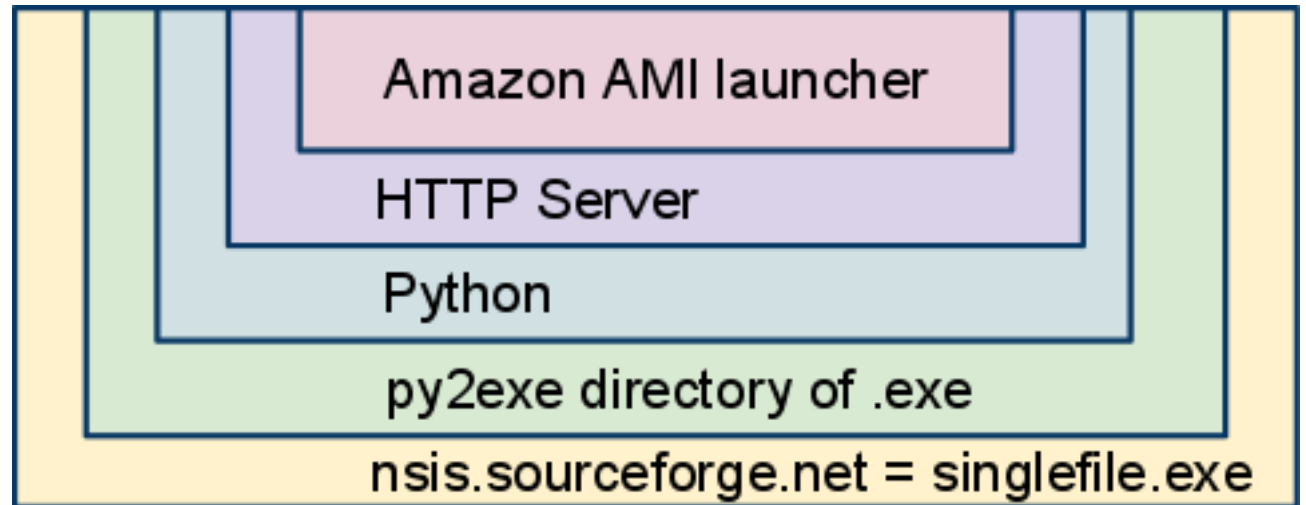


1. Click the icon
2. Web browser asks you setup questions
3. ec2 cloudman boots
4. use galaxy

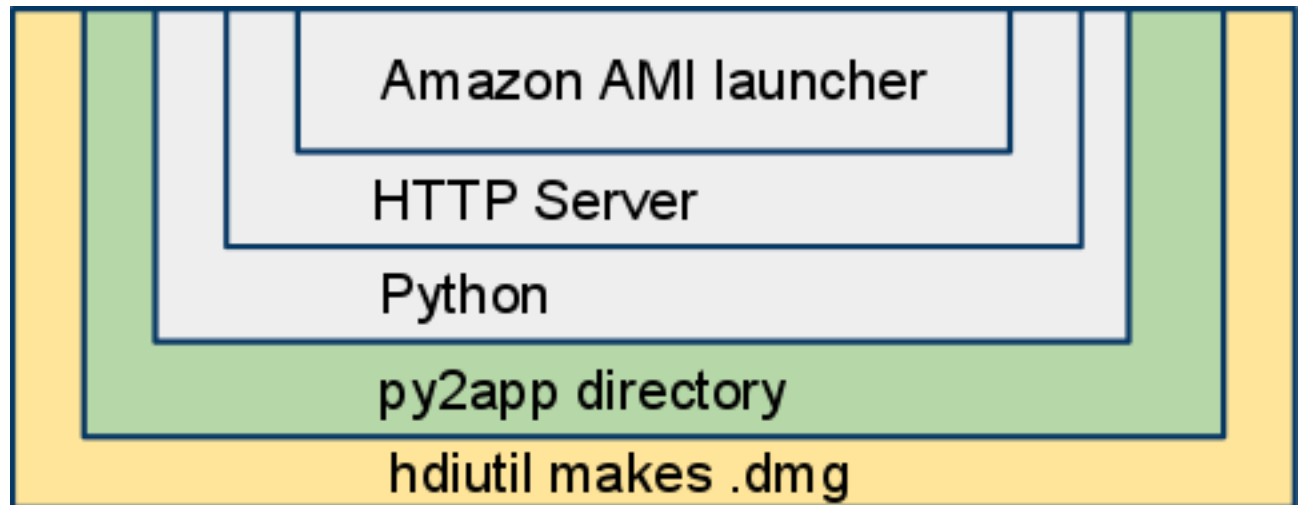
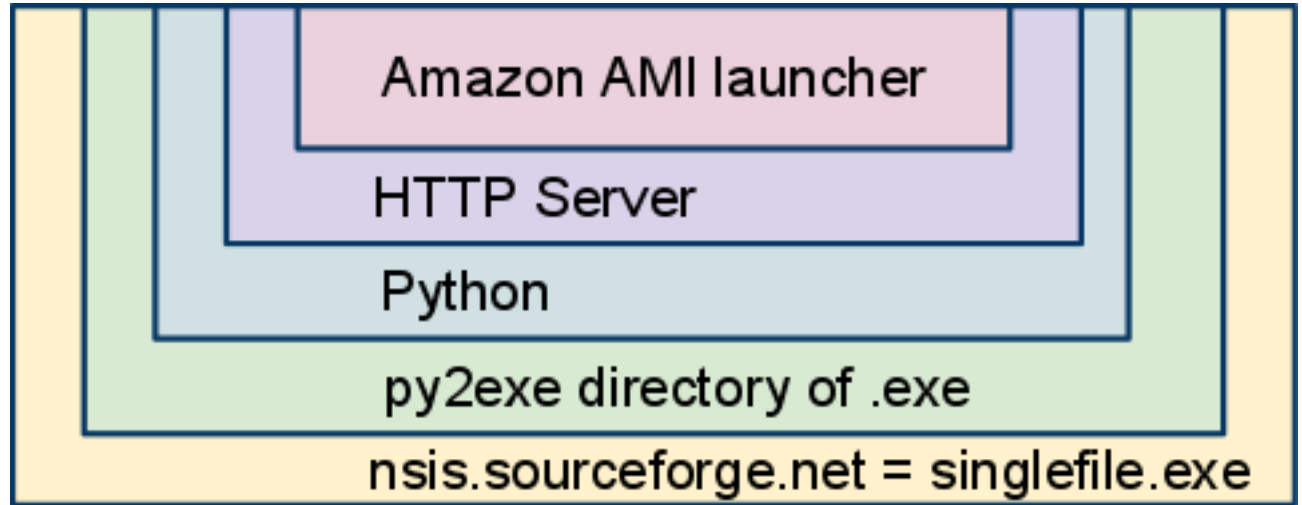
.exe = A Platform Specific Single File Executable



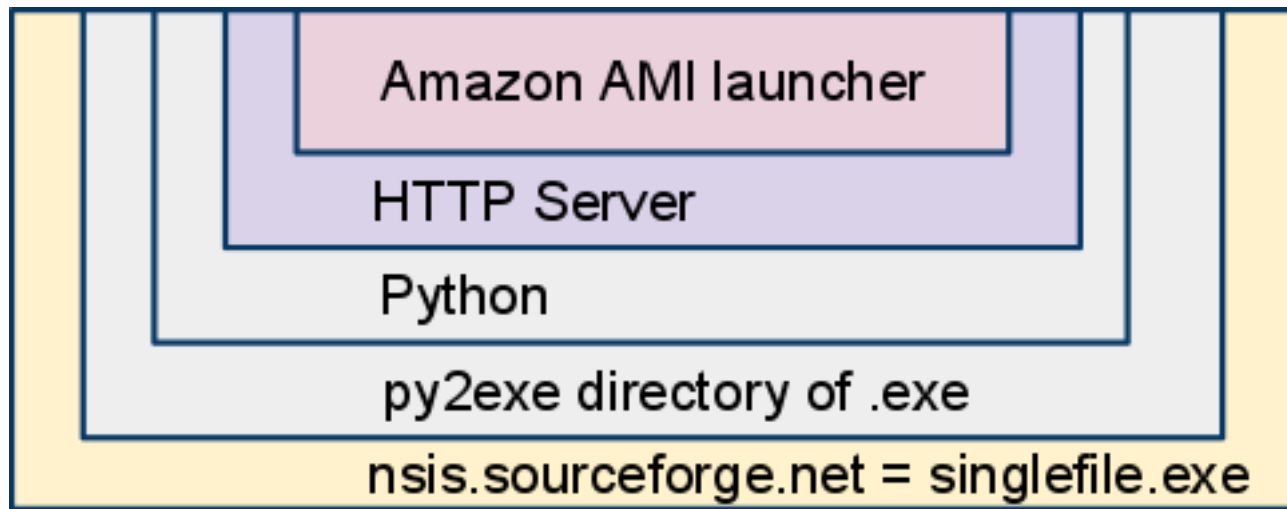
.exe



Wine.exe, Mac.dmg



Developer Experience



```
wc -l *
```

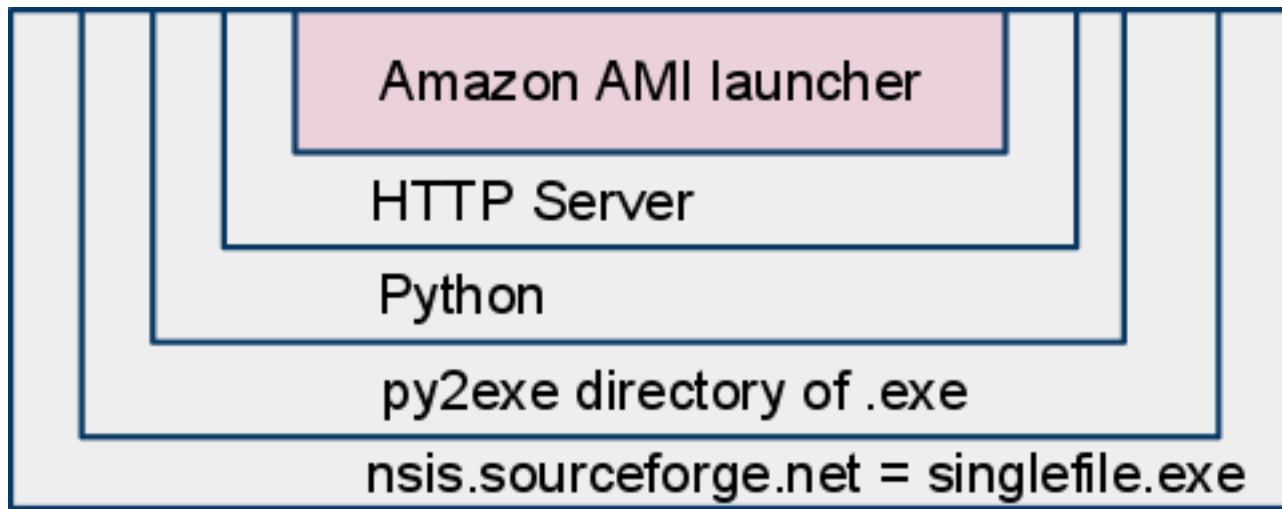
```
340 aws.py
```

```
690 runblast.py
```

```
81 makerunblast.nsi
```

```
164 setup.py
```

aws.py
340 lines



get_ec2()

galaxy_isRunning()

create_galaxy()

destroy_galaxy()

runblast.py

690 lines

ThreadedHTTPServer

BaseHTTPRequestHandler

do_GET

do_POST

doStatus

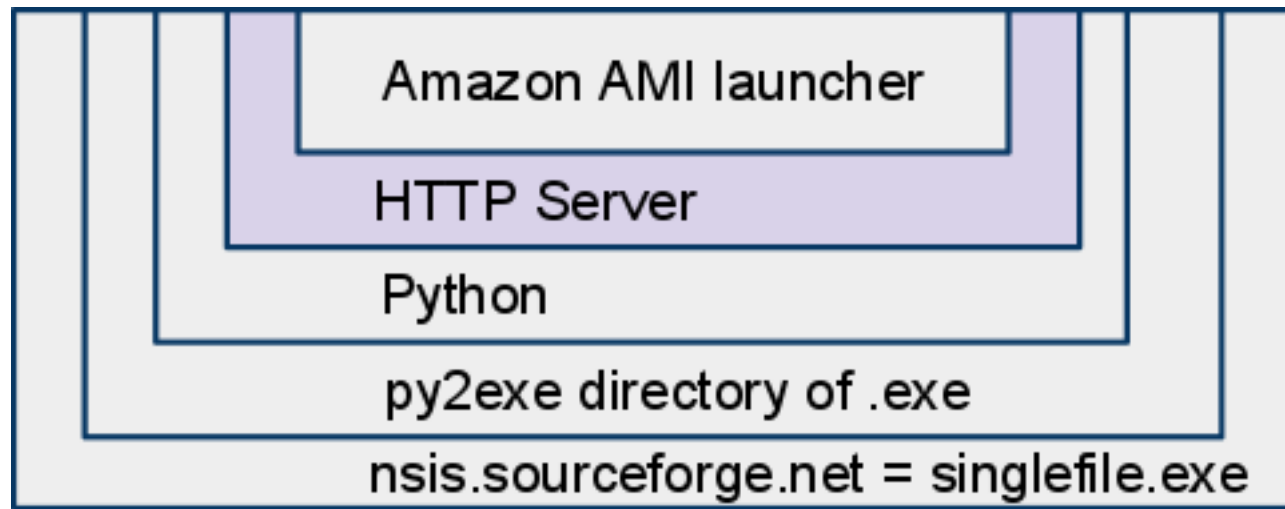
doCreate

doTerminate

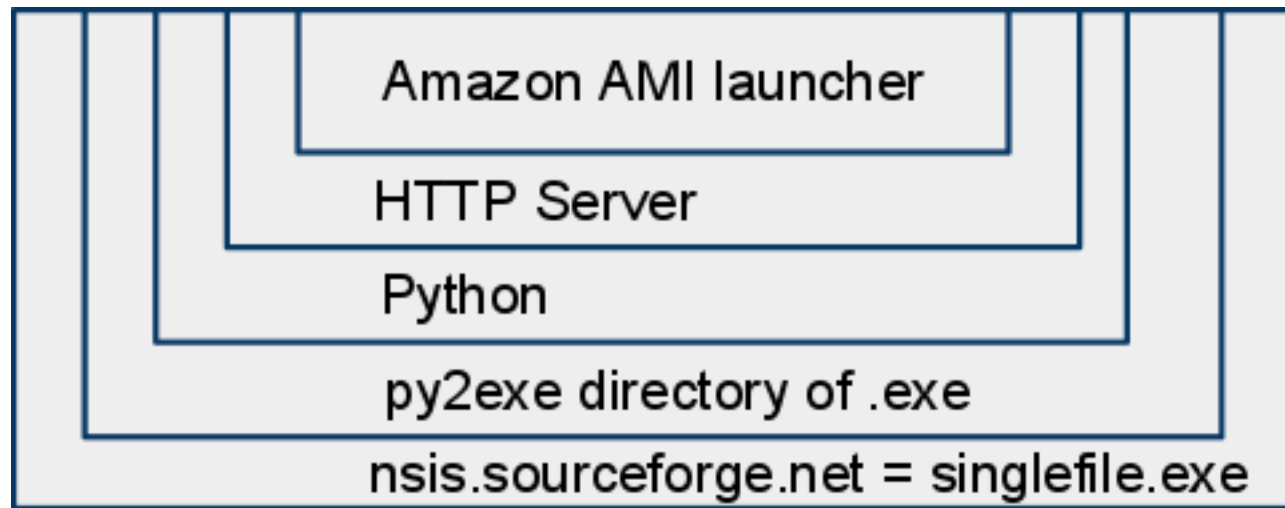
addNavbar

withKeysResponse

noKeysResponse



setup.py
164 lines



To build the binary type
./setup.py

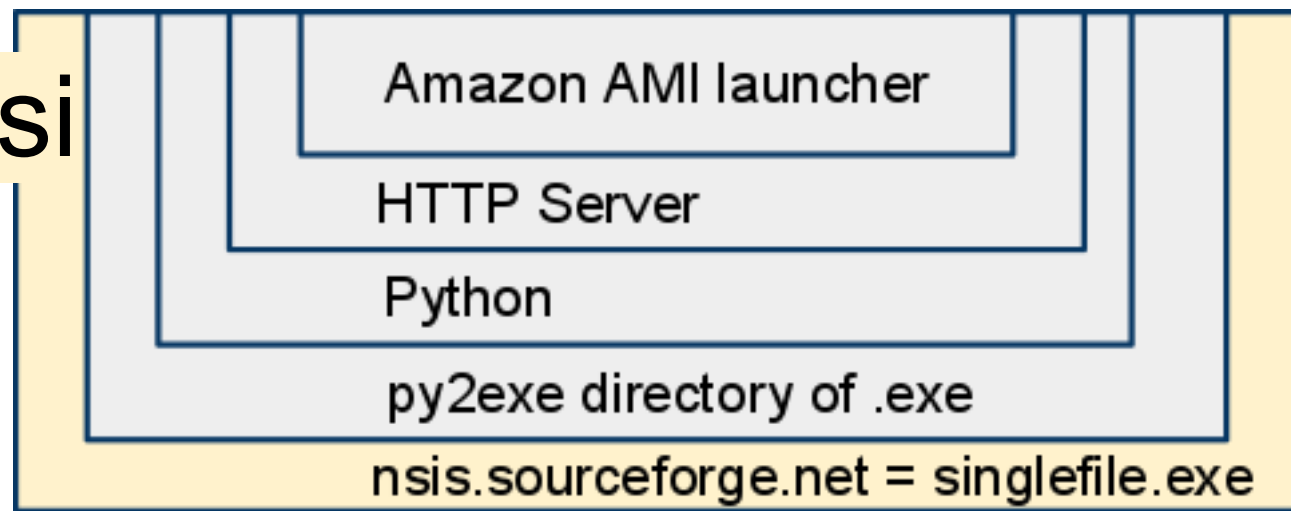
On Mac it runs

- py2app
- hdiutil

On Windows it runs

- py2exe
- nsis.sourceforge.net

makerunblast.nsi
81 lines



<http://nsis.sourceforge.net>

Adds the splash screen

Hides the DLLs, splash.gif, etc into a single .exe

3Meg.exe
60Meg.dmg

Supports

● [matplotlib](#), [numpy](#), [wx](#)



<http://localhost:1620/> causes an
annoying windows security warning

Rip the guts out and repurpose



Main Page

RunBLAST makes it even easier to run [Galaxy](#) in the amazon cloud. It is a desktop launcher for [cloudman](#).

Watch the [video](#)

Windows

- <http://runblast.com/files/runblast.exe>

Mac

- <http://runblast.com/files/RunBLAST.dmg>

Get the [source code](#)

Help

Check [localhost:1620](#)

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