

## pfSense - Feature #7549

### Enable Python support in Unbound

05/15/2017 12:40 PM - Jim Pingle

<b>Status:</b>	Resolved	<b>Start date:</b>	05/15/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jim Pingle	<b>% Done:</b>	100%
<b>Category:</b>	DNS Resolver	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.4.0		
<b>Description</b>			
Unbound has optional Python support, which is not currently enabled. Enabling this option will allow packages such as pfBlocker to leverage Python scripts to take actions based on events in Unbound.			
Python is already included in base, so there should not be any additional dependencies.			

#### Associated revisions

##### Revision ae764da6 - 05/15/2017 12:41 PM - Jim Pingle

Enable Python support for Unbound. Implements #7549

##### Revision 39eeab69 - 06/29/2017 07:09 AM - Jim Pingle

Enable Python support for Unbound. Implements #7549

#### History

##### #1 - 05/15/2017 12:50 PM - Jim Pingle

- Status changed from New to Feedback

- % Done changed from 0 to 100

Applied in changeset [ae764da6ef91f0e9f440d423dfbdb72f44b33276](#).

##### #2 - 06/15/2017 09:33 AM - Jim Pingle

Python is there but still has some other issues that need worked out related to running unbound in a chroot. Also it may need to have devel/swig30 added as a dependency.

Waiting on some feedback from bbcan117

##### #3 - 07/26/2017 09:09 AM - Jim Pingle

- Status changed from Feedback to Resolved

Anything we need to do on the OS side is done already, the rest is up to the actual scripts to setup mounts/libraries right in the chroot for what it needs before it runs.

##### #4 - 07/28/2017 12:43 PM - Doug Twitchell

To use python with unbound the module also needs to be enabled in the configuration file with:

```
module-config: "python iterator"
```

or with DNSSEC:

```
module-config: "validator python iterator"
```

I've created a patch that does this, but if python is listed as a module, there must also be a python: section with a python-script: directive or unbound-checkconf will fail. A good solution might be a GUI option to enter a python script, which would trigger the module-config change and put the script in the right place and mount the python libraries in the chroot. There are other issues as well, but this is the only one that requires code changes. See here: <https://forum.pfsense.org/index.php?topic=134352.0>

Here's the patch: <https://github.com/twitched/pfsense/commit/1ff1605e8d2e2c9f87aac489fd7af7a407b3440c>