

## pfSense - Bug #6869

### Diagnostics / Routes Truncates Destination and Gateway Names

10/20/2016 12:58 PM - Daryl Morse

<b>Status:</b>	Resolved	<b>Start date:</b>	10/20/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Renato Botelho	<b>% Done:</b>	100%
<b>Category:</b>	Web Interface	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.3.3	<b>Affected Version:</b>	2.3.2
<b>Plus Target Version:</b>		<b>Affected Architecture:</b>	
<b>Release Notes:</b>	Default		

#### Description

When "resolve names" is enabled, resolved destination and gateway names are truncated to 18 characters (e.g., pfSense.localdomain).

When "resolve names" is not enabled, destination and gateway names are at least 28 characters (e.g., fe80::215:5dff:fe5c:e205%hn0).

#### Associated revisions

##### Revision ed893ee5 - 10/22/2016 12:31 AM - Phillip Davis

Fix #6869 diag\_routes resolve names for RELENG\_2\_3

This code to parse the netstat output and use gethostbyaddr() to reverse resolve names is only needed in RELENG\_2\_3, so that long names are not truncated. In FreeBSD 10.3 some long resolved names are still being truncated by `netstat`, even though `-W` is specified.

In FreeBSD 11 for pfSense 2.4, `netstat -rW` correctly outputs the full resolved name, even when it is very long. So that all passes through to the Diag Routes GUI display correctly.

#### History

##### #1 - 10/20/2016 09:23 PM - Phillip Davis

That is a "feature" of the netstat command, which has annoyed me too. With "-W" it does output the full data in some columns, but not for reverse resolved names.

One way around this is to always just do the netstat command without name resolution, then parse the output and "manually" resolve each item that looks like an IP Address. This PR does that:

<https://github.com/pfsense/pfsense/pull/3203>

##### #2 - 10/25/2016 10:29 AM - Renato Botelho

- Category set to Web Interface
- Status changed from New to Feedback
- Assignee set to Renato Botelho
- Target version set to 2.4.0
- Affected Version set to 2.3.2

PR has been merged, thanks!

**#3 - 10/25/2016 10:40 AM - Phillip Davis**

- % Done changed from 0 to 100

Applied in changeset [ed893ee55a248bea3a03d69a7e80b905a39a4f94](#).

**#4 - 10/25/2016 06:33 PM - Phillip Davis**

Note: This fix has been applied to RELENG\_2\_3 to fix the issue on FreeBSD 10.3/pfSense 2.3.\*

In FreeBSD 11.0 (upcoming pfSense 2.4) the wide output of netstat is improved, the whole text of a reversed-looked-up name is output, and passes through successfully to the GUI. So there is no need for any fix in pfSense master.

In FreeBSD 11.0, netstat has been enhanced to use the "libxo" output formatting, so it can output the data, for example, in JSON format, rather than a text block that has to be carefully parsed. pfSense code that parses and uses netstat output could be re-engineered to output JSON, transfer that to the GUI via AJAX calls... and then have the GUI easily format/display it. But that is an engineering refactoring issue, not this bug fix.

**#5 - 12/23/2016 09:05 AM - Jim Pingle**

- Status changed from Feedback to Resolved

Works

**#6 - 02/10/2017 10:48 AM - Jim Pingle**

- Target version changed from 2.4.0 to 2.3.3