

pfSense - Bug #6173

/firewall_nat_edit.php: dsttype_selected wrong when edited w/VIPs defined

04/15/2016 09:49 AM - Jean CHEF

Status:	Resolved	Start date:	04/15/2016
Priority:	Normal	Due date:	
Assignee:	Chris Buechler	% Done:	100%
Category:	Web Interface	Estimated time:	0.00 hour
Target version:	2.3.1	Affected Architecture:	
Affected Version:	2.3		
Description			
When I edit a NAT rule, existing value for destination mask (alias IP for me) disappear and type is "any" even before I save "Single or alias".			

Associated revisions

Revision 70854dac - 04/20/2016 02:08 AM - Chris Buechler

Fix selection of dsttype in configs with VIPs defined. Ticket #6173

Revision 0f2fd77a - 04/20/2016 02:09 AM - Chris Buechler

Fix selection of dsttype in configs with VIPs defined. Ticket #6173

Revision 8fd700c5 - 04/21/2016 01:03 AM - Phillip Davis

Fix #6173 Use correct list of special nets

is_specialnet() was only using a smaller list of "special nets", so when you have a VIP as the selected special destination it was not matching it up on edit, and thus "forgetting" the special VIP selection.

build_dsttype_list() already makes a good list of special destination types. That list includes all the "special" VIPs.

Revision 08067906 - 04/21/2016 03:52 AM - Phillip Davis

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Revision 74ac8b7a - 04/21/2016 04:33 AM - Phillip Davis

Fix #6173 Refactor NAT Edit src type matching

1) Remove a couple of unused calls to is_specialnet()

2) Change srctype_selected() to use a similar scheme to dsttype_selected() to decide if the existing value matches one of the dropdown list items.

3) Items like "WAN net" and "LAN net" in the src type dropdown were showing as just "WAN" and "LAN" in the dst type dropdown. Fixup the build_dsttype_list() code so it does the same as build_srctype_list() when making the text for those interface networks.

Revision 047890de - 04/21/2016 12:42 PM - Phillip Davis

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Revision 51247e93 - 04/21/2016 12:44 PM - Phillip Davis

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(cherry picked from commit 74ac8b7aeb1cf08dbbcb3baff9c7b97abbe98858)

History

#1 - 04/15/2016 10:25 AM - Chris Buechler

don't think I'm seeing what you're referencing there. What OS and browser? Cleared your browser cache?

#2 - 04/15/2016 10:44 AM - Jean CHEF

- File `1_NAT-rules-list.png` added

- File `2_NAT-rules-edit.png` added

I tried on 2 OS : LinuxMint and Ubuntu Mate, with 2 browsers : Chrome and Firefox. I have same issue.

I joined 2 pictures for explain issue :

1. At first, I maked a NAT rule, I saved it
2. After, I want to edit it

#3 - 04/15/2016 06:27 PM - Phillip Davis

I can't replicate it either.

Can you show a screen shot of the whole rule?

Maybe there is some unusual setting in some other field that is interacting somehow. Seeing all settings might help reproduce it.

#4 - 04/16/2016 10:51 PM - Jim Thompson

- Assignee set to *Chris Buechler*

- Affected Version set to *2.3*

#5 - 04/19/2016 03:20 PM - Jacob Suter

I am experiencing the same issue. My installation is an upgrade from 2.2-Release, installed from the ISO approximately 2/1/16.

When editing or cloning a NAT rule, the destination block always returns to "Any". I've verified this in Chrome 49.0.2623.112m and Firefox 45.0.2 under Windows 10 x64. Both browsers have had their full history/cache wiped with the same result.

My screen caps would look identical to the ones above, but I'm using IPs instead of object names.

#6 - 04/19/2016 06:37 PM - Phillip Davis

@Jacob can you provide a screenshot of the whole NAT entry that has this problem. I have tried various different NAT rule settings and can't make it happen.

#7 - 04/19/2016 09:12 PM - Jacob Suter

- File *portforward.png* added

- File *rule3.png* added

Phillip Davis wrote:

@Jacob can you provide a screenshot of the whole NAT entry that has this problem. I have tried various different NAT rule settings and can't make it happen.

No problem. I did have to white-out a lot of the data to be on the safe side.

The problem seems to exist on both rules written before and after the update. I've hit edit on all (40ish) forwards and all of them drop their destination info when edited. I've also cloned a couple rules today and they also did not copy over their destination info.

If you'd like to check on the box directly, I can get you access to it.

#8 - 04/19/2016 09:59 PM - Steve Beaver

I have tested with the same setting you have in you MS-RDP rule, but was not able to reproduce the issue either.

Unless Phil has a flash of inspiration, I would suggest that you try accessing the GUI from a different browser on a different work station (if you have not done that already.) Browser caches and plugins (particularly 1Password/Lastpass type plugins) can do very strange things to input elements.

Failing that I think one of us will need access to your firewall to diagnose it further. By all means email/PM Phil or me and we can set something up. I am UTC/GMT -4 hours time zone, Phil is in UTC/GMT +5:45

#9 - 04/19/2016 10:04 PM - Phillip Davis

I still cannot reproduce it. I copied all the things in your screen shot (filling in valid IP addresses where you redacted bits in the middle) including the non-default NAT Reflection and Filter Rule Association that you are using. For "Destination" I selected "Single host or alias" and a random IP address 5.6.7.8

When I edit the port forward rule again, it shows the Destination data that I entered.

This sounds like a bit of JavaScript not setting the selection on startup. Did you force the browser to reload everything, including JS? For me, ctrl-F5 does the trick.

And for 2016 I am in Central Australia UTC+9:30 - but my laptop is still on Nepal time :) (and probably my forum settings... I did change my watch!)

#10 - 04/20/2016 12:23 AM - Jacob Suter

Phillip Davis wrote:

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The good news is the problem can be worked around, I just have to be careful to re-input the destination.

I even broke out IE11, which I'd never used previously (except to download firefox) and it's exhibiting the same behavior. Tried ctrl-f5 in Chrome and FF, same results.

I do run AdBlockPlus in Chrome and FF. IE11 should have nothing installed. I'll use my test laptop (Fedora 23 w/ firefox) in the morning (UTC-6 here) to see if there's a change.

If there's no change, I have another idea (kick WebUI into http mode, tcpdump the webserver output to see what's sent over - to see if its a browser/js/parsing/plugin/weird issue) to check.

#11 - 04/20/2016 02:20 AM - Chris Buechler

- Subject changed from `/firewall_nat_edit.php` : existing value for destination disappear when edit to `/firewall_nat_edit.php`: `dsttype_selected` wrong when edited w/VIPs defined

- Status changed from New to Feedback

- Target version set to 2.3.1

Finally found a way to replicate this. Fix pushed. Just because `$config['virtualip']['vip']` is an array in your config doesn't mean 'dst' should be the selected option. I'm not sure what the intention was there.

This seems to work the same for all the combinations that worked before, and fixes systems with VIPs defined where this ended up as "any".

Phil: if you could sanity check me on that fix, I'd appreciate it.

Anyone seeing this issue, if you can apply this and test, please report back with results.

<https://github.com/pfsense/pfsense/commit/70854dac17c0d0d42f4283d25156f1c03d337e8b>

can use https://doc.pfsense.org/index.php/System_Patches if you're not familiar with patches.

#12 - 04/21/2016 01:04 AM - Phillip Davis

That fixes the problem reported here. But now if you have selected a VIP from the dropdown of special destinations, then when you edit again it displays "Any" instead, forgetting the selection of the VIP.

The problem is in `is_specialnet()` which checks if the value is in an array `$specialsrcdst` which is built up the top of `firewall_nat_edit`. `$specialsrcdst` array has all the strings that are special sources (like any (self) pptp pppoe ltp WAN WANip ...). So it works for source selection. But the destination selection also has special entries for the VIPs. So those would need to be added to `$specialsrcdst` array for the dst case.

Actually the array/list of those special nets/things is built by `build_dsttype_list()` which is used for making the actual dropdown list. We just need to check if `array_key_exists()` in that array to determine if it is a special net.

See Pull Request <https://github.com/pfsense/pfsense/pull/2893>

#13 - 04/21/2016 01:13 AM - Phillip Davis

Note: The code for the src fields that uses `$specialsrcdst` and `is_specialnet()` works OK. But `build_srctype_list()` builds a similar structure. One is used to build the dropdown list, the other is used to see if the existing data matches a selection. If the functional content of the 2 lists becomes different then there will be future problems in that area of code also.

Once we have confirmed that the code solution for the dst case is good, I am happy to refactor the src case to work the same way - removing the `$specialsrcdst` and `is_specialnet()` use.

#14 - 04/21/2016 03:53 AM - Chris Buechler

Thanks Phil! I was expecting some kind of edge case from fixing that, and hadn't yet had a chance to review every possible use case.

merged to master and 2_3.

#15 - 04/21/2016 04:00 AM - Phillip Davis

- % Done changed from 0 to 100

Applied in changeset [8fd700c59004638e6061d64e5145bd0df9170532](https://github.com/pfsense/pfsense/pull/2895).

#16 - 04/21/2016 04:34 AM - Phillip Davis

PR <https://github.com/pfsense/pfsense/pull/2895>

- 1) Delete some unused code
- 2) Make the src type matching work similar to the dst type
- 3) Make the dst type dropdown entries "WAN" "LAN"... actually say "WAN net", "LAN net"... like it is for src type.

#17 - 04/21/2016 10:32 PM - Jacob Suter

The situation I'm working with is a bit strange:

I have a block of publicly routable IPs routed toward my pfSense's WAN port CARP IP

All PCs behind pfSense are on private IPs

I forward all outside access to the internal servers using destination NAT based on specific destination IPs, protocol, port, and occasionally limiting the NAT access to specific source IPs or networks.

#18 - 04/25/2016 11:18 PM - Chris Buechler

- Status changed from Feedback to Resolved

all works now

Files

2_NAT-rules-edit.png	7.83 KB	04/15/2016	Jean CHEF
1_NAT-rules-list.png	28.1 KB	04/15/2016	Jean CHEF
portforward.png	48.2 KB	04/20/2016	Jacob Suter
rule3.png	93.6 KB	04/20/2016	Jacob Suter