

## pfSense - Bug #3969

### apinger configuration for DHCPv6 gateway is missing interface scope on source IP and target

10/31/2014 07:27 AM - Jim Pingle

<b>Status:</b>	Resolved	<b>Start date:</b>	10/31/2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Renato Botelho	<b>% Done:</b>	100%
<b>Category:</b>	Gateways	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.2		
<b>Affected Version:</b>	2.2	<b>Affected Architecture:</b>	All

#### Description

When using a DHCPv6 WAN, apinger sets the srcip to be the interface link-local address but it does not set the scope on the source IP or target, so apinger cannot reach the gateway.

Log message (IPv6 addresses masked):

```
Oct 31 08:25:13 pfs22 apinger: Could not bind socket on address(fe80::a00:27ff:xxxx:xxxx) for monitoring address fe80::240:48ff:xxxx:xxxx (WAN_DHCP6) with error Can't assign requested address
```

Broken configuration made currently (IPv6 addresses masked):

```
target "fe80::240:48ff:xxxx:xxxx" {
    description "WAN_DHCP6"
    srcip "fe80::a00:27ff:xxxx:xxxx"
    alarms override "loss","delay","down";
    rrd file "/var/db/rrd/WAN_DHCP6-quality.rrd"
}
```

Working hand-edited version (IPv6 addresses masked):

```
target "fe80::240:48ff:xxxx:xxxx%em0" {
    description "WAN_DHCP6"
    srcip "fe80::a00:27ff:xxxx:xxxx%em0"
    alarms override "loss","delay","down";
    rrd file "/var/db/rrd/WAN_DHCP6-quality.rrd"
}
```

#### Associated revisions

##### Revision 3f6525c1 - 11/06/2014 04:30 AM - Renato Botelho

Make sure srcip has scope when it's link-local. Should fix #3969

##### Revision 118218cb - 11/06/2014 07:54 AM - Renato Botelho

Make sure target has scope when it's a link-local. Fixes #3969

#### History

#1 - 10/31/2014 07:29 AM - Jim Pingle

- Subject changed from apinger monitor IP for DHCPv6 gateway is missing interface scope in source IP configuration to apinger configuration for DHCPv6 gateway is missing interface scope on source IP and target

**#2 - 11/06/2014 04:25 AM - Renato Botelho**

- Assignee set to Renato Botelho

**#3 - 11/06/2014 04:30 AM - Renato Botelho**

- Status changed from New to Feedback

- % Done changed from 0 to 100

Applied in changeset [3f6525c1ab0fd3f704ab8e23f935c475c3cbd16c](#).

**#4 - 11/06/2014 07:40 AM - Jim Pingle**

- Status changed from Feedback to Confirmed

Source IP is scoped now but it still is not showing "online" - In my testing from earlier it looks like the target needs scoped, too. (See my example above)

**#5 - 11/06/2014 08:00 AM - Renato Botelho**

- Status changed from Confirmed to Feedback

Applied in changeset [118218cb69b1a8cea2f5915e4c81537b51462c34](#).

**#6 - 11/06/2014 08:31 AM - Jim Pingle**

- Status changed from Feedback to Resolved

Looks good now, gateway shows online at boot time and still shows online across several reboots. Thanks!