

Open Infrastructure - Task #7553

Task # 7284 (Closed): router1.place6 phase back in

Setup contrackd to allow active active firewalls

01/02/2020 12:50 PM - Nico Schottelius

| | | | |
|---|-----------------|------------------------|------------|
| Status: | Rejected | Start date: | 01/02/2020 |
| Priority: | Low | Due date: | |
| Assignee: | Timothée Floure | % Done: | 0% |
| Category: | | Estimated time: | 0.00 hour |
| Target version: | | | |
| PM Check date: | | | |
| Description | | | |
| <ul style="list-style-type: none">• So that firewall rules still work with state tracking | | | |
| Change of objective: get this running on two IPv6 only Alpine VMs first and then we migrate it to the routers | | | |

History

#1 - 01/02/2020 12:59 PM - Nico Schottelius

- Subject changed from Setup contrackd to Setup contrackd to allow active active firewalls

router2.place6:

```
[12:48:38] router2.place6:~# apt install contrackd
```

router1.place6

```
[12:50] router1.place6:~# apk add contrack-tools
```

```
[12:56] router1.place6:~# modprobe nf_contrack
```

```
[12:56] router1.place6:~# /etc/init.d/contrackd start
```

```
* You need to disable TCP window tracking!
```

```
* Add the following line to your /etc/sysctl.conf:
```

```
* net.netfilter.nf_contrack_tcp_be_liberal = 1
```

```
* ...and run this to activate the setting: sysctl -q -p
```

```
* ERROR: contrackd failed to start
```

```
[12:56] router1.place6:~# sysctl
```

```
[12:56] router1.place6:~# sysctl net.netfilter.nf_contrack_tcp_be_liberal=1
```

```
net.netfilter.nf_contrack_tcp_be_liberal = 1
```

```
[12:56] router1.place6:~# /etc/init.d/contrackd start
```

```
* Starting contrackd ...
```

```
[ ok ]
```

```
[12:56] router1.place6:~#
```

#2 - 01/02/2020 01:08 PM - Nico Schottelius

Added sync section, now getting an IPv6 exception:

```
[13:07] router1.place6:~# vi /etc/contrackd/contrackd.conf
```

```
[13:07] router1.place6:~# /etc/init.d/contrackd restart
```

```
* Starting contrackd ...
```

```
[Thu Jan 2 13:07:44 2020] (pid=5472) [ERROR] inet_pton(): IPv6 unsupported!
```

```
* start-stop-daemon: failed to start `/usr/sbin/contrackd'
```

```
[ !! ]
```

```
* ERROR: contrackd failed to start
```

```
[13:07] router1.place6:~#
```

#3 - 01/02/2020 01:33 PM - Nico Schottelius

Seems like the code is in read_config.yy.c:

```
[13:32] line:contrack-tools-1.4.5% grep "IPv6 unsupported" -r *  
src/read_config.yy.y: dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
```

```

src/read_config.yy.y:      dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
src/read_config.yy.y:      dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
src/read_config.yy.y:      dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
src/read_config.yy.y:      dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
src/read_config.yy.y:      dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
src/read_config.yy.c:      dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
src/read_config.yy.c:      dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
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src/read_config.yy.c:      dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
src/read_config.yy.c:      dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
[13:32] line:contrack-tools-1.4.5%

```

Code blocks all look similar to

```

multicast_option : T_IPV6_ADDR T_IP
{
    __max_dedicated_links_reached();
    int err;

    err = inet_pton(AF_INET6, $2,
                   &conf.channel[conf.channel_num].u.mcast.in);
    if (err == 0) {
        dlog(LOG_WARNING, "%s is not a valid IPv6 address", $2);
        break;
    } else if (err < 0) {
        dlog(LOG_ERR, "inet_pton(): IPv6 unsupported!");
        exit(EXIT_FAILURE);
    }
}

```

#4 - 01/02/2020 01:35 PM - Nico Schottelius

- Description updated
- Assignee changed from Nico Schottelius to Timothée Floure
- Priority changed from Normal to High

And config looks like this:

```

General {
    HashSize 8192
    HashLimit 65535

    Syslog on
    LogFile on

    LockFile /var/lock/contrackd.lock

    UNIX {
        Path /var/run/contrackd.sock
        Backlog 20
    }

    SocketBufferSize 262142
    SocketBufferSizeMaxGrown 65535

    # default debian service unit file is of Type=notify
}

Stats {
    LogFile on
}

Sync {
    Mode FTFW {
        ResendQueueSize 131072
        PurgeTimeout 60
        ACKWindowSize 300
        DisableExternalCache Off
    }
    UDP Default {
        IPv6_address fe80::d66d:6dff:fe33:e00
        IPv6_Destination_Address fe80::21b:21ff:febc:7c80
        Port 3780
    }
}

```

```
Interface wlan0
Checksum on
```

```
}
```

```
}
```

#5 - 05/29/2020 09:03 AM - Timothée Floure

- *Status changed from In Progress to Waiting*

Is this still relevant? A lot of things changed since it has been opened.

#6 - 06/15/2020 09:31 AM - Timothée Floure

- *Status changed from Waiting to New*

- *Priority changed from High to Low*

Not a priority at the moment - moving to low.

#7 - 06/15/2020 11:04 AM - Nico Schottelius

- *Status changed from New to Rejected*

Not needed atm

redmine@ungleich.ch writes: