

## strongSwan - Bug #199

### left|rightsubnet =0.0.0.0/[1..30] will be parsed as 0.0.0.0/0

30.06.2012 02:54 - Juergen Seifert

<b>Status:</b>	Closed	<b>Start date:</b>	30.06.2012
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Martin Willi	<b>Estimated time:</b>	0.00 hour
<b>Category:</b>	libstrongswan		
<b>Target version:</b>	5.0.1		
<b>Affected version:</b>	4.6.4	<b>Resolution:</b>	

#### Description

The following ipsec.conf:

```
# ipsec.conf - strongSwan IPsec configuration file
```

```
plutostart=no
```

```
conn %default
```

```
    ikelifetime=60m
    keylife=20m
    rekeymargin=3m
    keyingtries=1
    authby=secret
    keyexchange=ikev2
    mobike=no
```

```
conn net-net
```

```
    left=192.168.81.2
    leftsubnet=0.0.0.0/1
    # -----^^^^^^^^^^^^-----
    leftid=@t1.hs-mittweida.de
    leftfirewall=yes
    lefthostaccess=yes
    right=192.168.81.1
    rightsubnet=141.55.81.0/24
    rightid=@t2.hs-mittweida.de
    esp=aes128-md5!
    ike=aes128-sha1-modp3072!
    auto=add
```

reproduces the problem. Enterring "ipsec statusall" shows:

```
Status of IKE charon daemon (strongSwan 5.0.0rc1):
```

```
  uptime: 46 seconds, since Jun 30 04:21:58 2012
  malloc: sbrk 405504, mmap 0, used 308544, free 96960
  worker threads: 6 of 16 idle, 9/1/0/0 working, job queue: 0/0/0/0, scheduled: 0
  loaded plugins: test-vectors curl ldap pkcs11 aes des sha1 sha2 md5 random nonce x509 revocation
  constraints pubkey ...
```

```
Listening IP addresses:
```

```
192.168.81.2
```

```
Connections:
```

```
net-net: 192.168.81.2...192.168.81.1 IKEv2
net-net: local: [t1.hs-mittweida.de] uses pre-shared key authentication
net-net: remote: [t2.hs-mittweida.de] uses pre-shared key authentication
net-net: child: 0.0.0.0/0 == 141.55.81.0/24 TUNNEL
    -----^^^^^^^^^^^^-----
```

```
Security Associations (0 up, 0 connecting):
```

```
none
```

I have reproduced the problem with Strongswan 4.6.4 and 5.0.0rc1.

There is also a workaround: Use 0.0.0.1/1 instead. The host part of this address will be masked out when narrowing down the subnet in ipsec.conf file.

## History

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### #1 - 02.07.2012 13:19 - Tobias Brunner

- Target version deleted (5.0.0)

### #2 - 02.07.2012 17:34 - Martin Willi

- Category changed from starter to libstrongswan

- Status changed from New to Closed

- Assignee set to Martin Willi

- Target version set to 5.0.1

It seems that we have enforced /0 for 0.0.0.0 subnets, probably to catch some problematic definitions for our recently replaced IP range calculation code. Doesn't make much sense now, fixed with [997fdd1f](#).

Thanks for reporting the issue, feel free to reopen if the problem persists.