strongSwan - Feature #831

Multicast/Broadcast via ikev2.

22.01.2015 12:48 - Alex Brew

Status:	Closed		**Start date:**	22.01.2015
Priority:	Normal		**Due date:**	
Assignee:	Martin Willi		**Estimated time:**	0.00 hour
Category:	libcharon			
Target version:	5.3.0			
Resolution:	Fixed			

Description

Please include forecast multicast/broacast plug-in developed by Martin Willi from
https://github.com/strongswan/strongswan/tree/forecast branch to master one and to built Ubuntu 12/14 nightly Strongswan versions.
Or please make ability to allow multicast/broadcast packets transmitting from/to road-warrior (Vpn client) .
I downloaded sources from https://github.com/strongswan/strongswan/tree/forecast, compiled, but there was 5.2.2rc1 and clients
couldn' t connect to due to error 13843:
12[ENC] proposal number smaller than previous
12[ENC] SECURITY_ASSOCIATION payload verification failed
12[IKE] message verification failed

But all worked with 5.2.2 from Ubuntu repository, but without forecast plug-in.

And there are no any broadcast packets received at server side sent from client, for example with 255.255.255.255 destination.
I checked by tcpdump, no any broadcast packets came from clients, but outgoing packets counting is at Windows connection
property windows.

History

#1 - 22.01.2015 14:13 - Martin Willi

- Status changed from New to Assigned

- Assignee set to Martin Willi

> Please include forecast multicast/broacast plug-in [...] to master

This certainly will happen, most likely before the next release. However, this branch builds upon other branches (namely reqid-alloc, attr-migrate,
make-before-break and forecast), which bring significant changes to core parts of the code base. We need more testing and review of that code
before it can go mainline.

Also, we currently lack some documentation for the plugin.

> I downloaded sources from https://github.com/strongswan/strongswan/tree/forecast, compiled, but there was 5.2.2rc1 and clients couldn' t
> connect to due to error 13843:

I've rebased all these branches to the final 5.2.2 release, which should fix that issue.

Regards
Martin

#2 - 22.01.2015 14:27 - Alex Brew

Is there up-to-date version at forecast branch or have not bee uodated yet ?
And have author tested it with broadcast as x.y.z.255 as 255.255.255.255 ?

By the way, as it is intended for bcast also, I suppose this plug-in will support NetBios protocols also (udp/tcp) , am I right ?

#3 - 20.02.2015 17:14 - Martin Willi

- Category set to libcharon

- Status changed from Assigned to Closed

- Target version set to 5.3.0

- Resolution set to Fixed

The forecast plugin has been merged to master, please refer to the provided test case for a configuration example.

I'm closing the issue for now, let us know if you have any issues.

#4 - 20.02.2015 18:12 - Martin Willi

A first description for the plugin is available on the [forecast](#) wiki page.