

pfSense - Feature #6742

OAuth2 authentication for OpenVPN (and for FreeRadius)

08/25/2016 12:50 PM - Kristian Junkov

Status:	New	Start date:	08/25/2016
Priority:	Normal	Due date:	
Assignee:	Jim Thompson	% Done:	0%
Category:	Authentication	Estimated time:	0.00 hour
Target version:	Future		
Description			
I have two use-cases I want to enable and corresponding ideas.			
A) OpenVPN server use OAuth2 as backend.			
Use-case: Let my clients utilize their O365/Azure AD credentials to connect to my OpenVPN server running on pfsense.			
Idea: Make it possible to authenticate using a OAuth2 backend, this should be added as a new type in the "System/User Manager/Authentication Servers"			
B) FreeRadius server use OAuth2 as backend			
Use-case: Let my clients utilize their O365/Azure AD credentials to connect to my local wireless network.			
Idea: Network appliances (managed switches and access points) generally only speak RADIUS, so the freeradius server in pfsense can be used if it can in turn speak OAuth2. So I suggest adding "OAuth2 Authentication" after "LDAP" in the freeradius settings. (There already exists a Perl module for freeradius which could be integrated: https://github.com/jimdigriz/freeradius-oauth2-perl)			
A and B could be split up, I just thought it would be good first to have an overview of how many places OAuth2 would be relevant. If I needed to prioritize, then A has the highest value for me.			
<i>In general more and more are trying to leverage the cloud and alleviate the need for local active directory servers etc. so embedding OAuth2 across pfsense and making it easy to connect to AzureAD/O365, Google Apps etc. would really be powerful and a way to avoid duplicating user databases.</i>			
<i>PS: I have been suggested to add my idea as a separate feature request: "OAuth2 authentication in captive portal" (https://redmine.pfsense.org/issues/3377)</i>			
Best regards Kristian Junkov			

History

#1 - 08/25/2016 01:24 PM - Jim Thompson

- Assignee set to Jim Thompson

#2 - 07/07/2017 03:30 PM - Jim Pingle

- Target version changed from 2.4.0 to 2.4.1

#3 - 10/12/2017 09:59 AM - Jim Pingle

- Target version changed from 2.4.1 to 2.4.2

#4 - 10/23/2017 12:19 PM - Jim Pingle

- Target version changed from 2.4.2 to 2.4.3

#5 - 11/19/2017 01:05 PM - Mike Sith

+1 on this. Would love to see OAuth2 integration. We have some legacy local AD servers that we leverage today. I'd like to get rid of this dependency :)

#6 - 11/21/2017 10:57 AM - Luis Paolini

+1 as well! we are building a ton of infrastructure just to tackle with this issue! would be so great to be able to authenticate to Wifi or VPN with GSuite

credentials!

#7 - 01/16/2018 02:01 PM - Jim Pingle

- Target version changed from 2.4.3 to 2.4.4

#8 - 08/14/2018 01:48 PM - Steve Beaver

- Target version changed from 2.4.4 to 48

#9 - 09/05/2018 12:15 PM - Patrick Monfette

+1 on my side as well. We need this in order to properly implement VPN/IPSec/FreeRadius for our remote workers to integrate the authentication with G-Suite. I was hoping for 2.4.4 but it seems it just got pushed to 2.4.5. There are third parties solutions that do it but I'd rather keep it all internal and well integrated within pfSense.

#10 - 03/12/2019 10:54 AM - Jim Pingle

- Target version changed from 48 to 2.5.0

#11 - 08/21/2019 10:30 AM - Jim Pingle

- Category changed from User Manager / Privileges to Authentication

#12 - 10/19/2020 09:19 AM - Steve Beaver

- Target version changed from 2.5.0 to Future