

pfSense - Bug #7469

local_sync_accounts() slowness can trigger GUI/XMLRPC failures with many accounts

04/12/2017 11:17 AM - Jim Pingle

Status:	Resolved	Start date:	04/12/2017
Priority:	High	Due date:	
Assignee:	Renato Botelho	% Done:	100%
Category:	User Manager / Privileges	Estimated time:	0.00 hour
Target version:	2.4.3	Affected Version:	All
Plus Target Version:		Affected Architecture:	
Release Notes:			
Description			
<p>When a firewall has many local accounts, the time it takes for local_sync_accounts() to finish grows large enough to trigger timeouts and other problems for XMLRPC.</p> <p>Notably, in an HA cluster this becomes a burden because that function is called for each filter sync.</p> <p>On stand-alone firewalls the function is only called during bootup, so it does not have quite the same impact in that scenario, though it still delays the boot process.</p> <p>To illustrate the issue I made a playback script that calls local_sync_accounts() and nothing else:</p> <pre>: grep -c '<user>' /conf/config.xml 44 : time pfSsh.php playback localsyncusers 1.379u 5.649s 1:17.53 9.0% 633+216k 0+16190io 0pf+0w</pre> <p>For 44 accounts this particular test firewall needed 1 min 17 seconds to complete the sync process. This could easily overrun PHP/XMLRPC timeouts depending on the speed of the firewall cpu/disks/etc.</p> <p>We have at least one customer hitting the issue (16693), plus at least one user report (https://forum.pfsense.org/index.php?topic=127546.0)</p>			

Associated revisions

Revision 79f7bc7f - 02/14/2018 04:28 PM - Renato Botelho

Fix #7469

- Rename local_sync_accounts() to local_reset_accounts() and keep it only being used /etc/rc.bootup
- Reimplement local_sync_accounts() receiving a list of users and groups to be added and/or deleted
- Remove call to filter_configure xmlrpc method from rc.filter_synchronize since it's now called internally from restore_config_section.
- On restore_config_section implementation stop copying all content from user/group sections. Instead check for new/modified/deleted items and create necessary arrays to be passed to local_syng_accounts
- Add a parameter to filter_configure xmlrpc method to decide when to call a full reset of users/groups using local_reset_accounts()

Revision dc3bc1f8 - 02/16/2018 04:42 PM - Renato Botelho

Fix #7469

Sort users / groups alphabetically on config.xml

History

#1 - 04/21/2017 01:37 PM - Renato Botelho

- Target version changed from 2.4.0 to 2.4.1

Pushing to 2.4.1 because the whole function should be changed to be optimized

#2 - 10/12/2017 09:48 AM - Jim Pingle

- *Target version changed from 2.4.1 to 2.4.2*

Moving target to 2.4.2 as we need 2.4.1 sooner than anticipated.

#3 - 11/16/2017 08:39 AM - Renato Botelho

- *Target version changed from 2.4.2 to 2.4.3*

#4 - 02/14/2018 10:50 AM - Renato Botelho

- *Status changed from Confirmed to Feedback*

- *% Done changed from 0 to 100*

Applied in changeset [79f7bc7f61a9026cca8770d60d27cde15dd6f26a](#).

#5 - 02/15/2018 01:36 PM - Jim Pingle

- *Status changed from Feedback to Assigned*

Current code is better but is not putting the users back into matching order on both units. Renato is working on an improvement to preserve the order on all nodes.

#6 - 02/16/2018 10:50 AM - Renato Botelho

- *Status changed from Assigned to Feedback*

Applied in changeset [dc3bc1f8c9f5040762953b38df499ea5f86d13d5](#).

#7 - 02/16/2018 10:10 PM - Paighton Bisconer

Tested on Current Base System 2.4.3.a.20180216.1415

Syncing 106 users and adding a 107th took maybe two seconds, new user was there when secondary users page was reloaded immediately after saving new user.

#8 - 02/19/2018 01:26 PM - Renato Botelho

- *Status changed from Feedback to Resolved*