

### Pull 32/64 bit

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**Sylvander** D Posted: Sun 13 Oct 2015, 06:56 Post subject:   
Joined: 15 Dec 2008  
Posts: 4439  
Location: West Lothian, Scotland, UK  
I like it, BUT...  
a. Although I understand the general idea, there are parts I don't understand, or where my understanding is imperfect, or may be faulty. I'll now explain what I THINK I understand, but may not:  
b. "...the smartload packages and the security profile are excluded..."  
b1. "packages" may be sfs, pet, deb files. They are normally held within the "/mnt/sdb1/packages" folder, but could actually be anywhere on /mnt/sdb1.  
b2. A "smartload" file (perhaps "/mnt/sdb1/profiles/Common/smartload") has lines of code within it that specify which "packages" are to be loaded during Startup.  
c1. "restore\_latest" is an important example, since that loads the latest "backup", by loading "/mnt/sdb1/packages/restore\_latest-1.5.pet" at Startup.  
c2. "security\_profile": I choose "force\_rigorous" within the "smartload" file. Is this the content of the "/mnt/sdb1/profiles/1-rigorous" folder?  
I notice there are executable files within the "/mnt/sdb1/profiles/1-rigorous/usr/local/bin" folder.  
Do these scripts auto-run during and after startup because "1-rigorous" is auto-run by smartload?

2. "...it is recommended to use the same boot environment if you need to restore this backup later..."  
a. What is "the same boot environment"? I think I understand what an OS (or software) environment is. Would a "boot environment" be the "software or OS environment" that exists immediately the boot process finishes?  
So does the above quote mean: that a user must only restore a backup from the same software/OS environment in which it was made?  
b. How would a user know exactly what the environment was when s3he made the backup?

3. "Selection and target locations are controlled by the actual content of the /smartsave folder."  
That's the content of the "/mnt/sdb1/profiles/Common/smartsave/Default/smartsave" in my Pull.  
I've looked inside that file, and I'm none the wiser, since I'm not at that level of understanding.  
I do notice it mentions the following:  
/mnt/sbootdev/patch/etc/simple\_network\_setup  
/etc/passwd  
/etc/shadow  
/root/spool/config/google-chrome/Default/Preferences  
/root/spool/config/google-chrome/Default/Bookmarks  
/root/spool/config/google-chrome/Local/State  
/root/my-documents  
/root/.config/homebank

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**gjuhasz** D Posted: Mon 12 Oct 2015, 15:22 Post subject: The variety of Pull config options  
Joined: 29 Sep 2008  
Posts: 422  
**Sylvander wrote:**  
I'll now explain what I THINK I understand, but may not:  
Your interpretations are correct. Pull works as a Lego-like system that consists of blocks as follows:  
1) the skeleton (linux.sfs; svlinux.cfg; vmlinuz; initrd.gz; puppy\_pull-6.0.3.sfs; puppy\_pull-6.0.3.zdrv);  
2) the selectable profiles in /profiles folder which contain some Common files  
3) the external packages (.pet; .sfs; .deb)  
4) the Pull-specific control files (pull.cfg; mid; rigorous; crazy; lazy); that configure the features mentioned in 2) and 3) above and set up the session-level behavior (i.e., the collection of extra packages, their session-level and shutdown-time behavior; and some nice-to-have add-ons, e.g., application selection by desktop icons. Some controls can be dynamically updated, e.g., by the restore-latest.pet package.  
5) the patch structure, which may contain user data, executables and even control files.  
6) backups (separate timestamped files) that can be restored independently or on the top of each other based on your (per-session) choice.

Notice that all "Lego blocks" listed above remain intact because the pendrive is plugged out during your session (unplugged at least) thus they are safely preserved for the next sessions. Of course, you can edit them manually or can utilize various Pull features to update some of them.  
**Quote:**  
"security\_profile": I choose "force\_rigorous" within the "smartload" file. Is this the content of the "/mnt/sdb1/profiles/1-rigorous" folder?  
I notice there are executable files within the "/mnt/sdb1/profiles/1-rigorous/usr/local/bin" folder.  
Do these scripts auto-run during and after startup because "1-rigorous" is auto-run by smartload?

Yes. Correct. Yes. Remind that you can overwrite the preset security profile with a smartloaded force profile. This is why the security profile is excluded from the backup.  
**Quote:**  
Would a "boot environment" be the "software or OS environment" that exists immediately the boot process finishes?  
So does the above quote mean: that a user must only restore a backup from the same software/OS environment in which it was made?  
b. How would a user know exactly what the environment was when s3he made the backup?

This is not a "must" but only "recommended". Practically, the "same boot environment" means a compatible (selection in the chosen) smartload file.  
The boot logs, including the content of the smartload file can be found in /root/tmp folder.  
**Quote:**  
3. "Selection and target locations are controlled by the actual content of the /smartsave folder."  
That's the content of the "/mnt/sdb1/profiles/Common/smartsave/Default/smartsave" in my Pull.  
I've looked inside that file, and I'm none the wiser, since I'm not at that level of understanding.  
I do notice it mentions the following:  
/mnt/sbootdev/patch/etc/simple\_network\_setup  
/etc/passwd  
/etc/shadow  
/root/spool/config/google-chrome/Default/Preferences  
/root/spool/config/google-chrome/Default/Bookmarks  
/root/spool/config/google-chrome/Local/State  
/root/my-documents  
/root/.config/homebank

Correct. Remind that some Pull-specific packages add other /smartsave files to this folder. Also, in the meantime, I have put a preservsession.smartsave file there to fulfill your requirement. See the related screenshot attached.  
This Pull version will be uploaded in a couple of days.

Have fun!  
Regards,  
gjuhasz

Pull_options.jpg			
Description			8 Download
Filename	Pull_options.jpg		
Filesize	96.14 KB		
Downloaded	230 Time(s)		

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**Sylvander** D Posted: Tue 13 Oct 2015, 07:23 Post subject:   
Joined: 15 Dec 2008  
Posts: 4439  
Location: West Lothian, Scotland, UK  
1. Thanks for the explanations; I'll read and re-read in an attempt to increase my depth of understanding.  
2. "I have put a preservsession.smartsave file there to fulfill your requirement..."  
Wonderful!  
3. "See the related screenshot attached."  
This Pull version will be uploaded in a couple of days.  
Super! This should be particularly helpful to new users, and also to long-term users.

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**Sylvander** D Posted: Mon 19 Oct 2015, 04:51 Post subject: Re: The variety of Pull config options  
Joined: 15 Dec 2008  
Posts: 4439  
Location: West Lothian, Scotland, UK  
**gjuhasz wrote:**  
This Pull version will be uploaded in a couple of days.

Did I miss it?  
Where is it?

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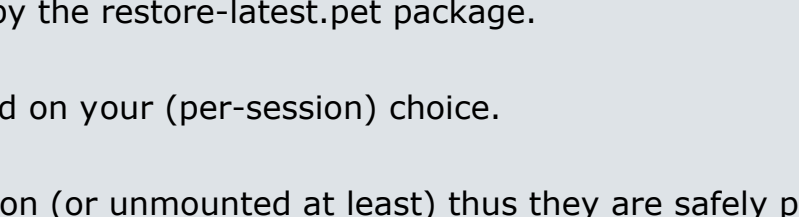
**gjuhasz** D Posted: Tue 20 Oct 2015, 12:03 Post subject: Re: The variety of Pull config options  
Joined: 29 Sep 2008  
Posts: 422  
**Sylvander wrote:**  
**gjuhasz wrote:**  
This Pull version will be uploaded in a couple of days.

Did I miss it?  
Where is it?

Dear Sylvander,  
It is ready but I cannot upload it yet because my home Internet is broken. I can write from my workplace only.  
But the good news is that I could improve some features while I was offline.  
Edit: For example, a new Firewall concept has been introduced (new Firewall menu, settings showed by icon colors, etc). See the below picture.

Have fun!  
Regards,  
gjuhasz

New_Firewal_concept.jpg		
Description	New Firewall concept in Pull.	
Filesize	11.29 KB	
Viewed	449 Time(s)	



Last edited by gjuhasz on Wed 21 Oct 2015, 04:40; edited 3 times in total  
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**Sylvander** D Posted: Tue 20 Oct 2015, 16:56 Post subject: Re: The variety of Pull config options  
Joined: 15 Dec 2008  
Posts: 4439  
Location: West Lothian, Scotland, UK  
**gjuhasz wrote:**  
I cannot upload it yet because my home Internet is broken.  
OK, I'll try and be patient.

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**gjuhasz** D Posted: Fri 23 Oct 2015, 18:53 Post subject: Uploading Pull 6.0.4  
Joined: 29 Sep 2008  
Posts: 422  
**Sylvander wrote:**  
**gjuhasz wrote:**  
I cannot upload it yet because my home Internet is broken.  
OK, I'll try and be patient.

Uploading Pull 6.0.4  
Have fun!  
Regards,  
gjuhasz

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**Sylvander** D Posted: Sat 24 Oct 2015, 07:20 Post subject:   
Joined: 15 Dec 2008  
Posts: 4439  
Location: West Lothian, Scotland, UK  
1. Posting this from Pull-6.0.4  
1. Bringing it into use was easy, now that I know how to edit the content of certain files as listed by me in an earlier post. Although, with the new tick-box I see in the "Session Setup" dialog window, I guess all of that is now un-necessary. Aught I to leave that ticked, even though all of the defaults are already as I want them, and need no alteration?  
2. There is apparently no md5sum supplied for Pull-6.0.4  
3. Pull-6.0.4 appears to be functioning well.  
Seems to be doing all I want it to do.  
If I see any mis-behavior I'll report back.

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**gjuhasz** D Posted: Sat 24 Oct 2015, 16:22 Post subject: MDS  
Joined: 29 Sep 2008  
Posts: 422  
Dear Sylvander,  
Thanks (again) for testing the new Pull release before its announcement.

**Sylvander wrote:**  
Although, with the new tick-box I see in the "Session Setup" dialog window, I guess all of that is now un-necessary. Aught I to leave that ticked, even though all of the defaults are already as I want them, and need no alteration?  
You requested it and I was happy to implement it because I am sure it is advantageous. The user has to log in the system anyway to confirm / change the settings - and why not in the Session Setup (aka QuickSetup) dialog?  
During the first appearance of the dialog, if the "Also in future sessions" box is ticked, the changes are saved immediately on the boot device (which is plugged in yet but the system is offline at this phase). In contrast, if you invoke the same dialog later (while the pendrive is removed and the network is connected), saving is delayed (until you select Save: backup or Save: smart somewhere within / at the end of the session).  
This way you can play with different settings within the same session and preserve the best one for the future but you don't need the pendrive plugged in while you are online.  
**Sylvander wrote:**  
There is apparently no md5sum supplied for Pull-6.0.4

I uploaded the Pull\_install.zip.sha file together with the release. It contains MDS, SHA1 and SHA256 control sums as follows:  
**Code:**  
# MD5  
2072f1913fcae4ce9272e3ab681b2bc Pull\_install.zip  
# SHA1  
80939fd0c024ae4f8f8887825c2937580b96a6b Pull\_install.zip  
# SHA256  
5c648b7858cfad514a8a76e0ac7cb27fd334b5ae054c9ad2cd31f058958f5 Pull\_install.zip

I announce Pull 6.0.4 here and edit the first page soon.  
Have fun!  
Regards,  
gjuhasz

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**Sylvander** D Posted: Sun 25 Oct 2015, 05:09 Post subject:   
Joined: 15 Dec 2008  
Posts: 4439  
Location: West Lothian, Scotland, UK  
1. "You requested it and I was happy to implement it because I am sure it is advantageous. The user has to log in the system anyway to confirm / change the settings - and why not in the Session Setup (aka QuickSetup) dialog?"  
It's a really nice feature, and I'm very glad you've added it, but I'm trying to understand how best to use it, as I explain below.  
2. "During the first appearance of the dialog, if the "Also in future sessions" box is ticked, the changes are saved immediately on the boot device..."  
a. I have no problem understanding that; what follows in 2b below is what I'm trying to get my mind around.  
b. When the "Also in future sessions" box is ticked in the 1st session, and that results in the config settings being recorded inside the appropriate files...  
And then a backup is made that includes those settings...  
And that backup is auto-restored during startup, in 2nd and later sessions...  
So that the settings are already applied when the user arrives at the desktop...  
c. Surely it's redundant to now have the "Also in future sessions" box checked/ticked, since that would result in config settings being written that are already written/recorded.  
It would do no harm, but is un-necessary, methinks.  
i.e. Since the settings are already recorded and applied, the "Also in future sessions" box could be unticked [and the existing backup replaced by a new backup], and the desired settings would still be applied.  
The box would only need to be ticked if there was a configuration change [new setting] that the user wanted to be saved for future sessions (using a new backup).

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**gjuhasz** D Posted: Mon 26 Oct 2015, 19:04 Post subject: Pull 6.0.4 - announcement  
Joined: 29 Sep 2008  
Posts: 422  
Let me proudly announce the new **Pull 6.0.4**  
Available at <http://smokey01.com/gjuhasz>  
See details in the first post.  
What's new in Pull 6.0.4 compared to 6.0.3:  
\* Install package in .zip format  
\* Simplified "one-finger-one-minute" installation  
\* Auto-restore a couple of backups (a selected backup and the latest one) on top of each other  
\* Restore backups created in any security profile  
\* Forced security profiles available as pet packages  
\* Involve some internal apps to SmartSave (e.g., HomeBank)  
\* Multiple firewalls prepared  
\* Firewall menu rewritten  
\* The color of Firewall icon shows the configured firewall  
\* Both session-level and long term settings in Session Setup dialog (aka QuickSetup).  
\* Help restructured  
\* Minor bugs fixed

Have fun!  
Regards,  
gjuhasz

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**gjuhasz** D Posted: Tue 27 Oct 2015, 21:34 Post subject: Session setup vs backups  
Joined: 29 Sep 2008  
Posts: 422  
**Sylvander wrote:**  
Since the settings are already recorded and applied, the "Also in future sessions" box could be unticked [and the existing backup replaced by a new backup], and the desired settings would still be applied.  
I don't really understand your preference. I would appreciate if you could choose from the feasible solutions below. None of them is (intentionally) implemented yet.  
A. The settings in the actual pull.cfg should always be applied even if a backup with different settings is restored.  
Options for this case  
a) exclude the session settings from backup at all  
b) include them in backup but exclude at restore\_latest and restore\_fixed  
c) as in b) but also exclude at manual restore  
d) as in b) or c) but they appear somewhere in /tmp folder  
e) as in d) but they are displayed if you open the SessionSetup dialog and become active if you click OK there  
B. The settings that come from backups should always overwrite the settings that come from pull.cfg?  
C. As in B but the settings are overwritten only if enabled in pull.cfg by "nextsession=yes"  
D. As in B but the settings are overwritten only if enabled in pull.cfg by a new control, e.g., "restorable=yes"  
Please advise.  
Regardless of the above, I changed the behavior of the "Also in future sessions" checkbox in the Session Setup dialog. This is not a bugfix, but a different flavor  
Updated to [www.smokey01.com/gjuhasz/Pull-6.0.4\\_Oct2015/patch-optional](http://www.smokey01.com/gjuhasz/Pull-6.0.4_Oct2015/patch-optional)  
You can download its content to /mnt/sdbx/patch.  
Have fun!  
Regards,  
gjuhasz

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**Sylvander** D Posted: Wed 28 Oct 2015, 11:44 Post subject:   
Joined: 15 Dec 2008  
Posts: 4439  
Location: West Lothian, Scotland, UK  
1. "I changed the behavior of the "Also in future sessions" checkbox in the Session Setup dialog. This is not a bugfix, but a different flavor"  
Updated to [www.smokey01.com/gjuhasz/Pull-6.0.4\\_Oct2015/patch-optional](http://www.smokey01.com/gjuhasz/Pull-6.0.4_Oct2015/patch-optional).  
You can download its content to /mnt/sdbx/patch.  
a. There are 2 sub-directories inside that directory; am I to download both of them plus their content to my Pull's /mnt/sdbx/patch folder?  
I do it.  
I think I misunderstand what you say.  
2. "The settings in the actual pull.cfg should always be applied even if a backup with different settings is restored."  
a. OK! Looks like yet again I fail to understand how Pull works "under the hood".  
b. Is that because pull.cfg overrides the settings copied from "Session Setup" to some other config file?  
OR...  
c. Does the backup exclude such settings?  
d. Is your "Options for this case" intended to explain in more detail?  
I'm attempting (and so far failing) to understand these.  
3. "Please advise."  
Are you asking me to state which of options a,b,c,d,e,B,C,D I prefer?  
I'd be delighted to if only I understood them.  
b. e.g. I clicked on your [http://www.smokey01.com/gjuhasz/Pull-6.0.4\\_Oct2015/](http://www.smokey01.com/gjuhasz/Pull-6.0.4_Oct2015/) link and was taken to that folder...  
Clicked on the patch-optional folder, and was taken to [http://www.smokey01.com/gjuhasz/Pull-6.0.4\\_Oct2015/patch-optional/](http://www.smokey01.com/gjuhasz/Pull-6.0.4_Oct2015/patch-optional/).  
Clicked on the smartsave/ folder [to download it?], and instead of being given a download dialog window, 2 sub-folders were displayed that had red exclamation symbols against them.  
I didn't see any right-click context menu items that seemed suitable either.  
c. So how should I download the necessary?

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**gjuhasz** D Posted: Thu 29 Oct 2015, 09:56 Post subject: Pull support features  
Joined: 29 Sep 2008  
Posts: 422  
**Sylvander wrote:**  
There are 2 sub-directories inside that directory; am I to download both of them plus their content to my Pull's /mnt/sdbx/patch folder?  
I decided to support Pull by populating a couple of patch folders next to the install package at [www.smokey01.com/gjuhasz/Pull-6.0.4\\_Oct2015/](http://www.smokey01.com/gjuhasz/Pull-6.0.4_Oct2015/). One is patch-bugfix, another one is patch-optional. Both of them may contain a patch structure. I propose to merge their content with the actual content of your patch folder on the USB boot device. As of today, the (populated) sub-folders within patch-optional are smartsave and usr (the latter has the sbin subfolder with a modified quicksetup file). So, this tree should be moved to/merged with your patch folder resulting that, e.g., the /patch-optional/usr/sbin/quicksetup file replaces your existing /usr/sbin/quicksetup file (you can check it after Pull boots up).  
There is nothing yet in the patch-bugfix folder.

**Quote:**  
Are you asking me to state which of options a,b,c,d,e,B,C,D I prefer?  
Yes... I recognized that what I introduced as a kind request seems to be a statement. So, I clarified it in my above post (see the green color text).  
Have fun!  
Regards,  
gjuhasz

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**Sylvander** D Posted: Fri 30 Oct 2015, 06:33 Post subject:   
Joined: 15 Dec 2008  
Posts: 4439  
Location: West Lothian, Scotland, UK  
1. "A smartsave and usr (the latter has the sbin subfolder with a modified quicksetup file). So, this tree should be moved to/merged with your patch folder."  
a. I tried to download these 2 folders [complete with all sub-folder/file tree content] to my /mnt/sdb1/patch folder on my Pull Flash Drive, BUT...  
b. e.g. I clicked on your [http://www.smokey01.com/gjuhasz/Pull-6.0.4\\_Oct2015/](http://www.smokey01.com/gjuhasz/Pull-6.0.4_Oct2015/) link and was taken to that folder...  
Clicked on the patch-optional folder, and was taken to [http://www.smokey01.com/gjuhasz/Pull-6.0.4\\_Oct2015/patch-optional/](http://www.smokey01.com/gjuhasz/Pull-6.0.4_Oct2015/patch-optional/).  
Clicked on the smartsave/ folder [to download it?], and instead of being given a download dialog window, 2 sub-folders were displayed that had red exclamation symbols against them.  
I didn't see any right-click context menu items that seemed suitable either.  
c. So how should I download the necessary?

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