

Prot Mgr 3.8 - name for snapshot copies

[michaelo](#) 36 posts since

Oct 14, 2008

With Prot Mgr 3.8, the name for the local snapshot copies includes a timestamp. Having a timestamp in the name for the snapshot copies is kind of unwieldy. Plus, it is kind of redundant as there is already a "date" column in the output of "snap list". Is there an alternative to the timestamp? In which case, is there a way to remove the timestamp from the snapshot name?

--Mike O

Tags: operations_manager, protection_manager, operations_manager, protection_manager

[nakshay](#) 2 posts since

Feb 4, 2009 1. **Re: Prot Mgr 3.8 - name for snapshot copies** Jul 8, 2009 8:47 AM

Hello Mike,

There is no way in which the time stamp can be removed from the snapshot name.

When you say "Is there an alternative to the timestamp? " what exactly are you looking at?

- Akshay

[michaelo](#) 36 posts since

Oct 14, 2008 2. **Re: Prot Mgr 3.8 - name for snapshot copies** Jul 8, 2009 8:53 AM

It appears that the timestamp is used to distinguish the different snapshots:

Prot Mgr 3.8 - name for snapshot copies

```
0% ( 0%) 0% ( 0%) Jul 08 10:00 2009-07-08 15:00:06 hourly_psefiler1_HR_mikeo
0% ( 0%) 0% ( 0%) Jul 08 09:00 2009-07-08 14:00:11 hourly_psefiler1_HR_mikeo
0% ( 0%) 0% ( 0%) Jul 07 16:59 2009-07-07 22:00:06 hourly_psefiler1_HR_mikeo
0% ( 0%) 0% ( 0%) Jul 07 15:59 2009-07-07 21:00:07 hourly_psefiler1_HR_mikeo
0% ( 0%) 0% ( 0%) Jul 07 14:59 2009-07-07 20:00:05 hourly_psefiler1_HR_mikeo
```

Instead of using the timestamp, use the traditional method of sequencing snapshots:

```
0% ( 0%) 0% ( 0%) Jul 08 10:00 hourly_psefiler1_HR_mikeo.0
0% ( 0%) 0% ( 0%) Jul 08 09:00 hourly_psefiler1_HR_mikeo.1
0% ( 0%) 0% ( 0%) Jul 07 16:59 hourly_psefiler1_HR_mikeo.2
0% ( 0%) 0% ( 0%) Jul 07 15:59 hourly_psefiler1_HR_mikeo.3
0% ( 0%) 0% ( 0%) Jul 07 14:59 hourly_psefiler1_HR_mikeo.4
```

--Mike O

[Adaikkappan Arumugam](#) 356 posts since

Apr 1, 2008 3. Re: Prot Mgr 3.8 - name for snapshot copies Jul 8, 2009 8:50 AM

Hi Mike,

The timestamp comes handy when the source and destination filer are across timezones and you wish to schedule

your dataset backup in a particular timezone.

For example my dataset is in GMT but my filers are in IST so my dataset backup schedules are run on

GMT.

Prot Mgr 3.8 - name for snapshot copies

C:\>dfpm dataset list -x 5221

Id: 5221
Name: Cust
Policy: Back up, then mirror
Description: Testing for burt+cust
Owner: Adaikkappan
Contact: adaikkap@netapp.com
Volume Qtree Name Prefix: Timestamp
DR Capable: No
Requires Non Disruptive Restore: No

Node details:

Node Name: Primary data
Resource Pools: Primary_RP
Provisioning Policy: pri_pol
Time Zone: GMT
DR Capable: No
vFiler:
Export Protocol: mixed
NFS Protocol Version: v3
Disable setuid: 1
Anonymous Access UID: 0
Read-only Hosts: None
Read-write Hosts: All
Root-access Hosts: None
Security Flavors: sys
CIFS Domain: BTCLAB
CIFS Share Permissions: Everyone:full_control

Prot Mgr 3.8 - name for snapshot copies

C:\>

In this case the snaphost will only have the timestamp(ie it cant be turned off)

Regards

adai

[michaelo](#) 36 posts since

Oct 14, 2008 4. **Re: Prot Mgr 3.8 - name for snapshot copies** Jul 8, 2009 9:00 AM

My point was if you want to know when the snapshot was created you can simply look at the "date" column in the output from "snap list":

%/used	%/total	date	name
0% (0%)	0% (0%)	Jul 08 10:00	2009-07-08 15:00:06 hourly_psefiler1_HR_mikeo
0% (0%)	0% (0%)	Jul 08 09:00	2009-07-08 14:00:11 hourly_psefiler1_HR_mikeo
0% (0%)	0% (0%)	Jul 07 16:59	2009-07-07 22:00:06 hourly_psefiler1_HR_mikeo
0% (0%)	0% (0%)	Jul 07 15:59	2009-07-07 21:00:07 hourly_psefiler1_HR_mikeo
0% (0%)	0% (0%)	Jul 07 14:59	2009-07-07 20:00:05 hourly_psefiler1_HR_mikeo

--Mike O

[smoot](#) 63 posts since

Mar 19, 2008 5. **Re: Prot Mgr 3.8 - name for snapshot copies** Jul 8, 2009 3:18 PM

Hi Mike --

Yes, you could, but in your example, none of the timestamps actually match. And, depending on your situation, you might not be able to run "snap list", you might only have the snapshot names (e.g. if you just navigate into the .snapshot directory). We get many customers who want to sort out what a given volume, qtree or snapshot represents based on nothing but the name, so embedding a timestamp is useful.

We could consider adding an option to use an index instead of a timestamp, but there are uniqueness issues. We could code around those if we needed to.

-- Pete

[michaelo](#) 36 posts since

Oct 14, 2008 6. Re: Prot Mgr 3.8 - name for snapshot copies Jul 8, 2009 4:04 PM

Pete,

With regards to the timestamps not matching, my client wondered the same thing. As it turns out, the timestamp on the snapshot names are GMT, even though all of my filers AND all of my datasets are on Central time. As you can see from my earlier post, the date of the snapshot and the timestamp on the snapshot names differs by 5 hours. Perhaps, there is an option that I am missing. But that's another thing that's going to confuse the heck out of the client.

I understand your use case for using the timestamp to sort out the snapshots. However, a common use case is to simply direct the users to the hourly.0 or daily.0 snapshot directory. That is the use case that my particular client is acustom to. And they will have volumes that are backed up outside of protection manager and with the filers' builtin scheduler.

--Mike O

Prot Mgr 3.8 - name for snapshot copies

[michaelo](#) 36 posts since

Oct 14, 2008 7. **Re: Prot Mgr 3.8 - name for snapshot copies** Jul 10, 2009 8:33 AM

The client pointed out the following issue with the new snapshot names. If you access the CIFS shares in Windows Explorer and go to the ~snapshot directory to perform a user-directed restore, the snapshot names/directories all get truncated:

2009-0~1

2009-0~2

2009-0~3

2009-0~4

Hence, the client cannot determine which snapshot to use. Is 2009-0~1 the latest? At least with hourly.0, hourly.1, etc, they know hourly.0 is the latest.

--Mike O

[Adaikkappan Arumugam](#) 356 posts since

Apr 1, 2008 8. **Re: Prot Mgr 3.8 - name for snapshot copies** Jul 12, 2009 8:10 PM

Hi Mike,

Even i am facing the same problem when i access the ~snapshot directory.

But there is an options to change the "colon" in the snapshots names to "hyphen"

after which the snaphost names in the ~ snapshot directory appears fine.

Please find attached the screenshot of my snapshot directory with old and new name.

By default the options value is no change it to yes.

Prot Mgr 3.8 - name for snapshot copies

C:\>dfm options set pmUseSDUCompatibleSnapshotNames=yes

Changed use snapshot name compatible with SnapDrive for unix for snapshot created by the protection manager to Yes.

C:\>

Regards

adai

Attachments:

- [snaphot.JPG](#) (180.3 K)

[smoot](#) 63 posts since

Mar 19, 2008 9. **Re: Prot Mgr 3.8 - name for snapshot copies** Aug 19, 2009 11:30 AM

I'm finally getting back to this one.

When I browse a CIFS share from Windows XP, I see the full snapshot names. This happens both from Windows Explorer and a DOS prompt. Did you do anything special to make your systems show only the 8.3 names?