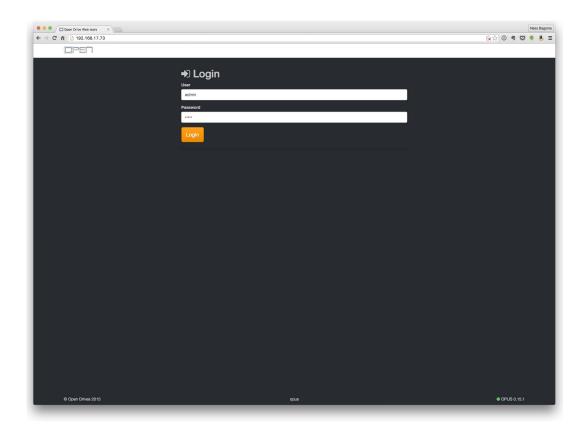


CONFIGURING MANAGED SNAPSHOTS - OPUS 0.15.X

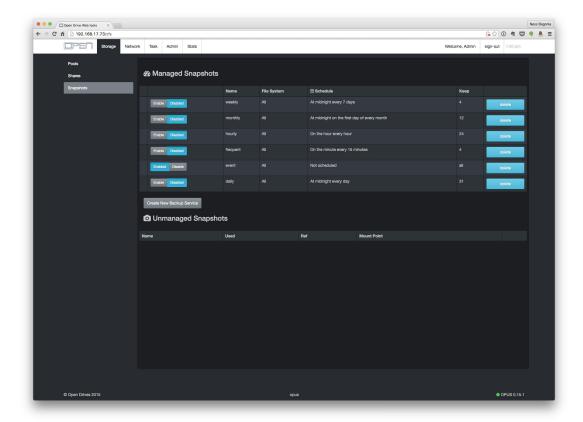
Open a web browser and type in the IP of your Open Drives System. This will take you to the OPUS UI.

Login with your username and password (the default for both is 'admin').



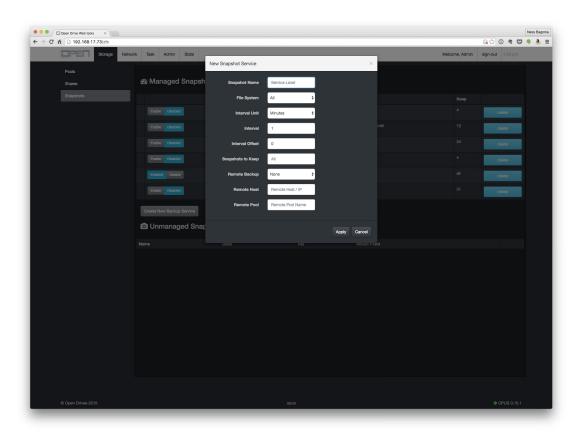
Navigate to **Storage > Snapshots**

Listed are default snapshots that can be configured. For our walkthrough we will be creating a new Managed Snapshot.



Click the 'Create New Backup Service' button at the bottom of the Managed Snapshots section.

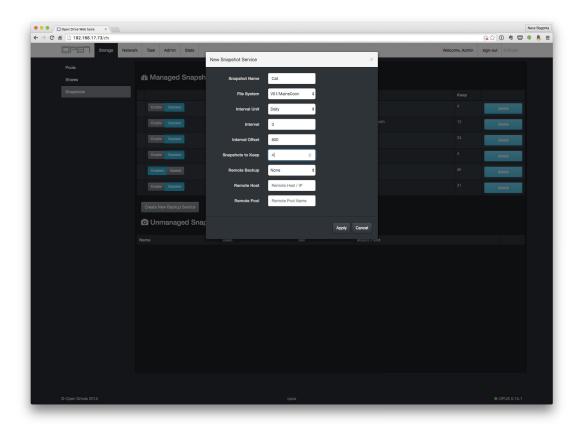
A pop-out window will appear that looks like the following:



Fill in the information to define the snapshot policy. Here are the descriptions of each item:

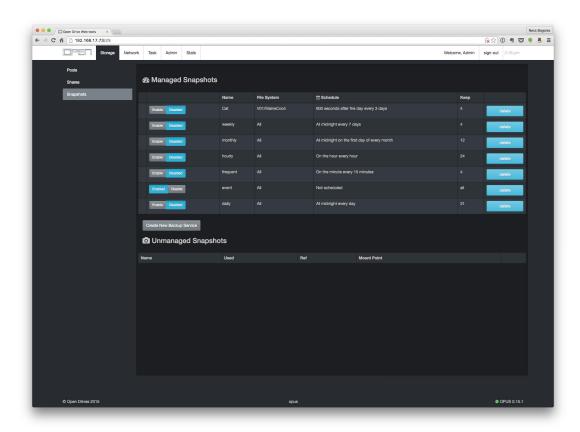
Field	Description
Snapshot Name	What the snapshot series will be called. Valid characters are a-zA-z0-9, hyphen ('-') and underscore ('_').
File System	Which file system (share) you want to snapshot. We recommend creating a snapshot for each file system individually instead of 'All'.
Interval Unit	How often to perform the snapshot, e.g., hourly, daily, weekly, etc. The default snapshot time is at the 0th second on the interval unit, e.g., at 12:00:00 every day for "daily".
Interval	How often the snapshot should run per interval. For daily, '1' is every day, 2 is every other day, etc.
Interval Offset	The number of seconds after the 0th second of the interval for which to take the snapshot. '300' would be 5 minutes after midnight every day for the 'Daily' interval unit.
Snapshots to Keep	How many snapshots to keep before deleting the old ones. When a file is deleted from the filesystem but was present was a snapshot was made, the space for the file does not get freed until all the snapshots that reference that file are deleted. For daily snapshots, this is usually 7 (1 week).
Remote Backup	This allows the snapshot to be sent to another Open Drives server. Set to 'none' for local snapshots, 'Incremental' for remote backup of snapshots.
Remote Host	IP address of the remote Open Drives server, if applicable.
Remote Pool	Name of the remote pool where the snapshots should be stored when sent to the remote server.

The below settings are an example configuration. Click apply when you have finished.

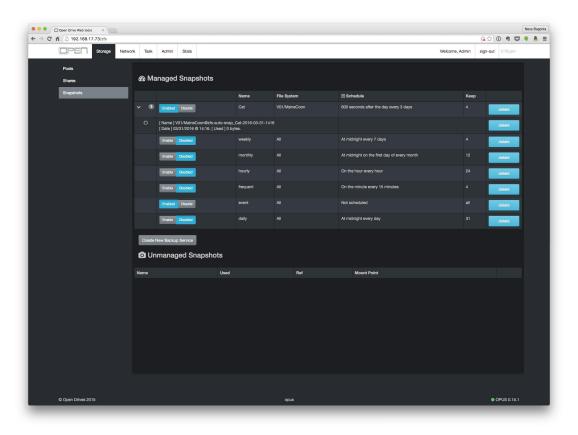


In this example, our snapshot will be Named Cat, It will trigger every 3 days at 12:10am and retain a maximum of 4 snapshots. This snapshot is only defined on the V01/MaineCoon Share of the filesystem.

After this you will se that your new Managed Snapshot has been created in the overview page.



Enable the snapshot policy you just created. A number will appear next to the enable/disable button. This number refers to how many snapshots are currently being kept for that Managed Snapshot.



The current snapshot count of our example is 1 snapshot. Per this specific configuration the most you will see is 4 snapshots. That number is tied to the number we assigned for the 'Snapshots to Keep' setting. There will also be a pinwheel next to the snapshot we just created if you expand it. This means the snapshot is currently running. It will turn solid when it has finished.

[Name] V01/MaineCoon@zfs-auto-snap_Cat-2016-03-31-1416 [Date] 03/31/2016 @ 14:16. [Used] 0 bytes.

delete

At this point, the snapshot configuration is complete. Future snapshots will be taken per the schedule we configured.

A few items to note about snapshots:

- If you have any service running that records/encodes/transcodes to the Open Drives Filesystem, be aware that the snapshot starting causes a momentary disconnect that might cause these services to fail. The disconnect is too fast to be noticed on a workstation however.
- Try to set the snapshots to go off when people are not working
- Snapshots do take up space and can easily fill up a system if not monitored
- Deleting a snapshot is as easy as clicking the 'delete' button to the right of the snapshot name

COMMAND LINE ACCESS

You can also access filesystem snapshots via the command line.

They are stored in <poolname>/<volname>/.zfs/snapshots, e.g., /V01/V01/.zfs/snapshots/

This directory contains directories of snapshots if snapshots are enabled. From here you can copy files as needed back to workstations or to the current filesystem.

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