

NAME

zpool-list - list information about ZFS storage pools

SYNOPSIS

zpool list [-H**g**L**P**v] [-o *property*[,*property*]<?>] [-T **u**|**d**] [*pool*]<?> [*interval* [*count*]]

DESCRIPTION

Lists the given pools along with a health status and space usage. If no *pools* are specified, all pools in the system are listed. When given an *interval*, the information is printed every *interval* seconds until killed. If *count* is specified, the command exits after *count* reports are printed.

-g Display vdev GUIDs instead of the normal device names. These GUIDs can be used in place of device names for the `zpool detach/offline/remove/replace` commands.

-H Scripted mode. Do not display headers, and separate fields by a single tab instead of arbitrary space.

-o *property*

Comma-separated list of properties to display. See the `zpoolprops(7)` manual page for a list of valid properties. The default list is **name, size, allocated, free, checkpoint, expandsize, fragmentation, capacity, dedupratio, health, altroot**.

-L Display real paths for vdevs resolving all symbolic links. This can be used to look up the current block device name regardless of the `/dev/disk` path used to open it.

-p Display numbers in parsable (exact) values.

-P Display full paths for vdevs instead of only the last component of the path. This can be used in conjunction with the **-L** flag.

-T u|d Display a time stamp. Specify **u** for a printed representation of the internal representation of time. See `time(2)`. Specify **d** for standard date format. See `date(1)`.

-v Verbose statistics. Reports usage statistics for individual vdevs within the pool, in addition to the pool-wide statistics.

EXAMPLES**Example 1:** Listing Available ZFS Storage Pools

The following command lists all available pools on the system. In this case, the pool `zion` is faulted due to a missing device. The results from this command are similar to the following:

zpool list

```

NAME  SIZE ALLOC  FREE EXPANDSZ  FRAG  CAP DEDUP HEALTH ALTROOT
rpool 19.9G 8.43G 11.4G   - 33% 42% 1.00x ONLINE -
tank  61.5G 20.0G 41.5G   - 48% 32% 1.00x ONLINE -
zion  - - - - - - - - FAULTED -

```

Example 2: Displaying expanded space on a device

The following command displays the detailed information for the pool *data*. This pool is comprised of a single raidz vdev where one of its devices increased its capacity by 10 GiB. In this example, the pool will not be able to utilize this extra capacity until all the devices under the raidz vdev have been expanded.

zpool list -v data

```

NAME      SIZE ALLOC  FREE EXPANDSZ  FRAG  CAP DEDUP HEALTH ALTROOT
data      23.9G 14.6G 9.30G   - 48% 61% 1.00x ONLINE -
raidz1    23.9G 14.6G 9.30G   - 48%
sda       - - - - -
sdb       - - - 10G -
sdc       - - - - -

```

SEE ALSO

zpool-import(8), zpool-status(8)