

SD.Next btrfs deduplication example

in case SD.Next linux server got btrfs partition we might enjoy deduplication of the files and when we use a large number of models that deduplication may save some space

```
btrfs filesystem du --summarize --human-readable /docker/sdnext/  
compsize -x /docker/sdnext/  
jdupes --one-file-system --dedupe --recurse --size /docker/sdnext/
```

Execution example

```
root@server6:~ # btrfs filesystem du --summarize --human-readable /docker/sdnext/huggingface-  
volume
```

Total	Exclusive	Set shared	Filename
399.51GiB	399.51GiB	0.00B	/docker/sdnext/huggingface-volume

```
root@server6:~ # compsize -x /docker/sdnext/huggingface-volume
```

Processed 526 files, 1860252 regular extents (1860252 refs), 48 inline.

Type	Perc	Disk Usage	Uncompressed	Referenced
TOTAL	89%	357G	399G	399G
none	100%	175G	175G	175G
zlib	81%	181G	223G	223G

```
root@server6:~ # jdupes --one-file-system --dedupe --recurse --size  
/docker/sdnext/huggingface-volume
```

```
root@server6:~ # btrfs filesystem du --summarize --human-readable /docker/sdnext/huggingface-  
volume
```

Total	Exclusive	Set shared	Filename
399.51GiB	294.70GiB	36.56GiB	/docker/sdnext/huggingface-volume

```
root@server6:~ # compsize -x /docker/sdnext/huggingface-volume
```

Processed 526 files, 1516941 regular extents (1861709 refs), 48 inline.

Type	Perc	Disk Usage	Uncompressed	Referenced
TOTAL	89%	297G	333G	399G

none	100%	151G	151G	175G
zlib	80%	146G	182G	223G

Example run on only one folder. Result might be better on FS level. But just as an example

```

root@server6:~ # jdupes --one-file-system --dedupe --recurse --size
/docker/sdnext/huggingface-volume
Scanning: 353 files, 527 items (in 2 specified)
  [SRC] /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-E1-
Full/blobs/f1ecf4952c2076dc9ef09f54814a2d4b3f14bfa9
  =====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Dev/blobs/f1ecf4952c2076dc9ef09f54814a2d4b3f14bfa9
  =====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Fast/blobs/f1ecf4952c2076dc9ef09f54814a2d4b3f14bfa9
  =====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Full/blobs/f1ecf4952c2076dc9ef09f54814a2d4b3f14bfa9

  [SRC] /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Dev/blobs/cf6c4d78b3b4f575a8b296ee5fccf6ab4e14c686
  =====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Fast/blobs/cf6c4d78b3b4f575a8b296ee5fccf6ab4e14c686
  =====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Full/blobs/cf6c4d78b3b4f575a8b296ee5fccf6ab4e14c686

  [SRC] /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Dev/blobs/f99e44fb320546035ca153638f1f2276e0cd2e04
  =====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Fast/blobs/f99e44fb320546035ca153638f1f2276e0cd2e04
  =====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Full/blobs/f99e44fb320546035ca153638f1f2276e0cd2e04

  [SRC] /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-1.3B-
Diffusers/blobs/481c7b2b39771c44df6dd8d13ee12ed072d731b4a650bd092885d4d52db229ad
  =====> /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-14B-
Diffusers/blobs/481c7b2b39771c44df6dd8d13ee12ed072d731b4a650bd092885d4d52db229ad

  [SRC] /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-1.3B-
Diffusers/blobs/c0ef3a140898e228a3520c9adec60743d2e8e5b3d229651bb37f1a3921919f99
  =====> /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-14B-

```

Diffusers/blobs/c0ef3a140898e228a3520c9adec60743d2e8e5b3d229651bb37f1a3921919f99

[SRC] /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-1.3B-Diffusers/blobs/a451792c739c05bca4606190cc2dd16731411bac03b4cf6aacc5767321f857c9
====> /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-14B-Diffusers/blobs/a451792c739c05bca4606190cc2dd16731411bac03b4cf6aacc5767321f857c9

[SRC] /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-1.3B-Diffusers/blobs/f93148bcc04052a169e1e49bfcf6125df6cf9bf243cb9c627da75266cf8e35c3
====> /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-14B-Diffusers/blobs/f93148bcc04052a169e1e49bfcf6125df6cf9bf243cb9c627da75266cf8e35c3

[SRC] /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-1.3B-Diffusers/blobs/7e76e18d224531b8197a46231cb53daf7f2f6ca707130252becf933026ac4eea
====> /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-14B-Diffusers/blobs/7e76e18d224531b8197a46231cb53daf7f2f6ca707130252becf933026ac4eea

[SRC] /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-1.3B-Diffusers/blobs/60ece61b46ecb3e6a5b705ea304bc97535317c2a
====> /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-14B-Diffusers/blobs/60ece61b46ecb3e6a5b705ea304bc97535317c2a

[SRC] /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-1.3B-Diffusers/blobs/2fd01c57ddd8ae386d518c69c087c8ba8c73804
====> /docker/sdnext/huggingface-volume/hub/models--Wan-AI--Wan2.1-T2V-14B-Diffusers/blobs/2fd01c57ddd8ae386d518c69c087c8ba8c73804

[SRC] /docker/sdnext/huggingface-volume/hub/models--Freepik--F-Lite/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-Dev/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-Fast/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-Full/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/huggingface-volume/hub/models--ostris--Flex.2-preview/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e

[SRC] /docker/sdnext/huggingface-volume/hub/models--Freepik--F-Lite/blobs/a5640855b301fcdcbceddfa90ae8066cd9414aff020552a201a255ecf2059da00

```
=====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Dev/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
=====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Fast/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
=====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Full/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
=====> /docker/sdnext/huggingface-volume/hub/models--ostris--Flex.2-
preview/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
```

```
[SRC] /docker/sdnext/huggingface-volume/hub/models--Freepik--F-
Lite/blobs/c8728bc3dca59d2616a2a594cbac3ddb9eb77d5b
=====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Dev/blobs/c8728bc3dca59d2616a2a594cbac3ddb9eb77d5b
=====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Fast/blobs/c8728bc3dca59d2616a2a594cbac3ddb9eb77d5b
=====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Full/blobs/c8728bc3dca59d2616a2a594cbac3ddb9eb77d5b
=====> /docker/sdnext/huggingface-volume/hub/models--ostris--Flex.2-
preview/blobs/c8728bc3dca59d2616a2a594cbac3ddb9eb77d5b
```

```
[SRC] /docker/sdnext/huggingface-volume/hub/models--nvidia--Cosmos-Predict2-2B-
Text2Image/blobs/30dea2006604226b944972536b9fc1ae40e3ef39b844140641cc450af5490158
=====> /docker/sdnext/huggingface-volume/hub/models--nvidia--Cosmos-Predict2-14B-
Text2Image/blobs/30dea2006604226b944972536b9fc1ae40e3ef39b844140641cc450af5490158
```

```
[SRC] /docker/sdnext/huggingface-volume/hub/models--nvidia--Cosmos-Predict2-2B-
Text2Image/blobs/d90c625c136567ef62dc13d7fde0d54393a2b08e7400b3594d38c6a9ba12f897
=====> /docker/sdnext/huggingface-volume/hub/models--nvidia--Cosmos-Predict2-14B-
Text2Image/blobs/d90c625c136567ef62dc13d7fde0d54393a2b08e7400b3594d38c6a9ba12f897
```

```
[SRC] /docker/sdnext/huggingface-volume/hub/models--nvidia--Cosmos-Predict2-2B-
Text2Image/blobs/371ddccda7716967086fd98ef7e2f8e14f96f6ae
=====> /docker/sdnext/huggingface-volume/hub/models--nvidia--Cosmos-Predict2-14B-
Text2Image/blobs/371ddccda7716967086fd98ef7e2f8e14f96f6ae
```

```
[SRC] /docker/sdnext/huggingface-volume/hub/models--nvidia--Cosmos-Predict2-2B-
Text2Image/blobs/6c85dc465ff1a4392f21aeefb7ab6ea7b9b990a9
=====> /docker/sdnext/huggingface-volume/hub/models--nvidia--Cosmos-Predict2-14B-
Text2Image/blobs/6c85dc465ff1a4392f21aeefb7ab6ea7b9b990a9
```

on /docker/sdnext level it looks like

```
[SRC] /docker/sdnext/huggingface-volume/hub/models--Freepik--F-
Lite/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Dev/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Fast/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Full/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/huggingface-volume/hub/models--ostris--Flex.2-
preview/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/mnt-volume/models/Diffusers/models--black-forest-labs--FLUX.1-
dev/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/mnt-volume/models/Diffusers/models--black-forest-labs--FLUX.1-Kontext-
dev/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/mnt-volume/models/Diffusers/models--black-forest-labs--FLUX.1-
schnell/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/mnt-volume/models/Diffusers/models--lodestones--
Chroma/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/mnt-volume/models/Diffusers/models--ostris--Flex.2-
preview/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
====> /docker/sdnext/mnt-volume/models/Diffusers/models--shuttleai--shuttle-3.1-
aesthetic/blobs/ec87bffd1923e8b2774a6d240c922a41f6143081d52cf83b8fe39e9d838c893e
```

```
[SRC] /docker/sdnext/huggingface-volume/hub/models--Freepik--F-
Lite/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Dev/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Fast/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
====> /docker/sdnext/huggingface-volume/hub/models--HiDream-ai--HiDream-I1-
Full/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
====> /docker/sdnext/huggingface-volume/hub/models--ostris--Flex.2-
preview/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
====> /docker/sdnext/mnt-volume/models/Diffusers/models--black-forest-labs--FLUX.1-
dev/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
====> /docker/sdnext/mnt-volume/models/Diffusers/models--black-forest-labs--FLUX.1-Kontext-
dev/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
====> /docker/sdnext/mnt-volume/models/Diffusers/models--black-forest-labs--FLUX.1-
```

```
schnell/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
====> /docker/sdnext/mnt-volume/models/Diffusers/models--lodestones--
Chroma/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
====> /docker/sdnext/mnt-volume/models/Diffusers/models--ostris--Flex.2-
preview/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
====> /docker/sdnext/mnt-volume/models/Diffusers/models--shuttleai--shuttle-3.1-
aesthetic/blobs/a5640855b301fcdbceddfa90ae8066cd9414aff020552a201a255ecf2059da00
...
Deduplication done (6565 files processed)
```

Revision #2

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