



Comparison between Time Slider and Time Machine

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Agenda

- Something about HFS+
- Something about ZFS
- Time Slider vs. Time Machine GUI
- Backup on external HDD
- Backup before shutdown
- Q&A
- Resources

Something about HFS+

- January 19, 1998
- 32 bit, 8 EiB, 255 UTF-16 chars
- November 11, 2002, OS X 10.2.2 – journaling
- April 29, 2005, OS X 10.4 Server – Attribute Data records
- Volume header, Allocation File, Catalog File, Extents Overflow File, Attributes File, Startup File

Something about ZFS

- September 14, 2004
- 128 bit, 16 EiB, 255 bytes
- November 16, 2005 – part of b27 of OpenSolaris
- Storage Pools, Capacity, Copy-on-write, Snapshots & Clones, Dynamic striping, Variable block sizes, LW FS creation, Cache management, Adaptive endianness, Deduplication



Time Slider vs. Time Machine GUI

- Where to find Time Slider?

Time Slider vs. Time Machine GUI

- How to enable and manage Time Slider?

Time Slider vs. Time Machine GUI

- How to use Time Slider?

Time Slider vs. Time Machine GUI

- How to enable and manage Time Machine?

Time Slider vs. Time Machine GUI

- How to use Time Machine?

Backup on external HDD

- OpenSolaris: `zfs send /fspath > /zfs`
- Mac OS X: it's by default ;)

Backup before shutdown

- OpenSolaris: add

```
zfs snapshot /rpool/fspath@name  
to /etc/sbin/shutdown
```

Effectively a one-liner :)

- Mac OS X:

```
property querylist : { "backupd" }
```

.... one click away and 32 lines later:

```
end tid
```

Resources

- <http://superapple.cz/2009/07/jak-spustit-time-machine-zalohu-pred-vypnutim-pocitace/>

Backup on external HDD

- OpenSolaris: `zfs send /fspath > /zfs`
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Q&A

Any questions?



Thank you

Jiri Prajzner

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