

# The Self-certifying File System

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# Introduction

NFS is too Trusting in the Wilds

- Who are you connecting to?
- Who is listening?
- NFS v.4 is in the future.

# SFS

## Enter SFS

- Easy to set up
- Maps uid/gid
- Transparent
- Config who can see what

## AFS-like features

Globally unique name space

- /sfs/Location:HostID/
- Auto-mounts based on path name
- Can symlink to hide from users

# SFS is Good

## More features

- Works under MacOS X also
- Works behind NAT
- Active mailing list and development
- Quick-start guide

# Setting up SFS

- `/var/sfs/root/` has user mount points
- `/etc/sfs/sfsrwsd_config`
- Export localhost

## Testing your client

```
\% cd /sfs/@sfs.fs.net,uzwadtctbjb3dg596waiyru8cx5kb4an  
\% cat CONGRATULATIONS  
You have set up a working SFS client.  
\%
```

## Using SFS

- On server, sfskey register
- sfskey talks to sfs key agent

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# Availability

Further resources:

- <http://www.purple.com/talks/>
- <http://www.fs.net/sfswww/>
- google