

, , , , f -

```
minisync 'Anftv ] 'z n ] src dst 'paths ]
trascan replica 'paths ]
tramkdb dbfile replicaname
trasrv 'i ifile ] 'o option ] dbfile root
trafixdb -l
trafixdb 'n ] dbfile 'outdbfile ]
```

replicated , optimistically

```

Minisync      f          f      f          f ,          f ,
    trasrv          f          f          f (          f          ,

        f          f   f   src          f   f          dst,   dst

        f          f   f   dst          f   f          f   f   src,   f
src          dst          dst          f   f          f   f   src,   f
f          f          f   f          ,          f          -
f          f   f          f   f          f   f          f
f   action action,          f   action
f   src          action          f   dst Action          f update,
create, delete          ,   update/delete   f   f
src   dst          ,   f   src          f   dst          f
,          src   dst
Minisync   f          ,          f   f          src   dst
dst. f paths          f   ,          f          f          src
          f   path          f   ,

```

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-A      f      ,      f      f      ,      f
      -A f      ff
-n
-f      f      f      f      src (f
-t      f      f      f      dst (
-v      f
-z      f      , f
      src      dst      trasrv(      f
      ./, ../,      /,      f      $home/lib/tra
(      $HOME/.tra(

```

```

(
    f f $home/lib/tra/minisync.log ( $HOME/.tra/minisync.log
    ( , minisync f f

Tramkdb
    dbfile, Tramkdb f
    dbfile.redo2 .tradb ff f dbfile.redo f
    tramkdb , f f -
    , replicaname ff f

Trascan
    Trascan f f f replica ( f
    minisync' src dst , f
    f f f , f f f -
    f f Trascan f , -
    f f

Trasrv
    Trasrv minisync
    f f f -i trasrv ifile f
    f f f ifile, verb pattern, verb
    include (# exclude pattern f f
    , f f -i
    , f
    # default rule set for trasrv
    exclude *.tradb*
    exclude minisync.log
    f , /a/b, f
    , *.tradb* a/b, f
    -o f option, f
    setmode f f setmode f
    setuid f f
    setgid f f
    setmtime f f f
    mkwriteable f f f f
    f f f f
    testdblog f trasrv f
    redo2

Trafixdb
    Trafixdb f fsck f
    f , f ,
    f , ( , f
    f f f Trafixdb
    trafixdb -l f
    f trafixdb , f

```

## EXAMPLES

```

$ cd /tmp
$ mkdir r1 r2
$ cat >t1 <<!
#!/bin/sh
trasrv t1.tradb /tmp/r1
!
$ cat >t2 <<!
#!/bin/sh
trasrv -r t2.tradb /tmp/r2
!
$ chmod +x t1 t2
$ tramkdb t1.tradb repl1
$ tramkdb t2.tradb repl2
$ echo hello world >r1/a
$ minisync -v ./t1 ./t2
copy /a
$ cat r2/a
hello world
$

f f
g% cat lib/tra/emelie
#!/bin/rc
trasrv -o setmode,setgid /usr/rsc/lib/tra/emelie.tradb /usr/rsc
g%
f                                     trasrv

g% cat .tra/wally
#!/bin/sh
ssh wally trasrv $HOME/.tra/xxx.tradb $HOME
g%
f                                     ssh ff
(                                     ,
ssh -2 -q -e none -t -t
ssh -Rmp
ff f ssh f
trasrv f
stdmerge stdsplit ( tra-
aux( f
g% cat .tra/wally
#!/bin/sh
ssh -2 -q -e none -t -t wally stdmerge trasrv \
$HOME $HOME/.tra/xxx.tradb | stdsplit
g%

```

## SOURCE

```

cvs -d :pserver:anoncvs@cvs.pdos.lcs.mit.edu:/cvs co tra

```

## TRACES

```

f f f
f ( f $home/lib/tra/minisync.log
$HOME/.tra/minisync.log f (f
, f
# plan 9
g% gzip < lib/tra/minisync.log >/tmp/a
g% echo minisync logs | mail -a /tmp/a tralog@pdos.lcs.mit.edu

```

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```
g%
# unix
$ gzip < .tra/minisync.log |
  uuencode minisync.log.gz |
  mail tralog@pdos.lcs.mit.edu
$
```

```

      f      ,      f      f      -
,      f      f      ,      minisync
      f
```

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NAME

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SYNOPSIS

stdmerge *cmd* *args*] | stdsplit  
tradump *dbfile*  
trascan *replica* *path*]

DESCRIPTION

f tra(

*Stdmerge* , f *Stdsplit*  
f f ,  
ssh -t -t stdmerge command | stdsplit  
f command  
, , f f  
*Tradump* f *dbfile* -  
f f  
*Trascan* *replica* f f