

Robin's Sybase tips

Set up a data server

run sybsetup (X-windows installer) or srvbuild (X-win tool) and follow the GUI

Start data server

```
/opt/sybase/install/startserver -f install/RUN_mysybserver
```

connect to it :

```
isql -Usa -P -S mysybserver
```

Set up data device

```
1> disk init
2> name = "bvdata_dev" ,
3> physname = "/dev/md/rdisk/d60" ,
4> vdevno = 4 ,
5> size = 250000 <--- this is for a 500MB data device
```

Set up log device on a different disk

```
1> disk init
2> name = "bvlog_dev" ,
3> physname = "/dev/md/rdisk/d70" ,
4> vdevno = 5 ,
5> size = 250000
```

Give sa user a password !

```
sybase:bva $ isql -Smysybserver -Usa -c -w132
Password:
1> sp_password null,qwerty11
2> go
Password correctly set.
(return status = 0)
```

Create a db :

```
1> create database bvdb
2> on bvdata_dev = 250000 <--- this is for a 500MB data device
3> log on bvlog_dev = 250000
4>
CREATE DATABASE: allocating 249856 pages on disk 'bvdata_dev'
CREATE DATABASE: allocating 249856 pages on disk 'bvlog_dev'
```

Make a user bvision with bvdb his default db

```
1> sp_addlogin bvision,qwerty11,bvdb
```

Change owner of database:

```
1> use bvdb
2>
1> sp_changedbowner bvision
2>
DBCC execution completed. If DBCC printed error messages, contact a user with System Administrator (SA) role.
Database owner changed.
(return status = 0)
```

If you ever need to change the default db :

```
1> sp_modifylogin bvision,defdb,bvdb
2>
Default database changed.
(return status = 0)
```

To edit interfaces file (/opt/sybase/interfaces is like oracle's tnsnames.ora)

dsedit : X-windows tool to modify interfaces file
dscp: command line tool for modifying interfaces file

Dump database:

(needs a backup server called SYB_BACKUP running and with an entry in interfaces file)

```
3> dump database bv_ltol_db
4> to "/tmp/syb.dump"
5> go
```

Load database:

```
1> load database bv_ltol_db
2> from "/tmp/syb.dump"
3> go
Backup Server session id is: 12. Use this value when executing the
'sp_volchanged' system stored procedure after fulfilling any volume change
request from the Backup Server.
Backup Server: 6.28.1.1: Dumpfile name 'ltol_db992490FCDC' section number 0001
mounted on disk file '/tmp/syb.dump'
Backup Server: 4.58.1.1: Database bv_ltol_db: 3834 kilobytes LOAded.
Backup Server: 4.58.1.1: Database bv_ltol_db: 8990 kilobytes LOAded.
Backup Server: 4.58.1.1: Database bv_ltol_db: 43022 kilobytes LOAded.
Backup Server: 4.58.1.1: Database bv_ltol_db: 86542 kilobytes LOAded.
Backup Server: 4.58.1.1: Database bv_ltol_db: 129554 kilobytes LOAded.
Backup Server: 4.58.1.1: Database bv_ltol_db: 173074 kilobytes LOAded.
Backup Server: 4.58.1.1: Database bv_ltol_db: 216086 kilobytes LOAded.
Backup Server: 4.58.1.1: Database bv_ltol_db: 259606 kilobytes LOAded.
Backup Server: 4.58.1.1: Database bv_ltol_db: 302618 kilobytes LOAded.
Backup Server: 4.58.1.1: Database bv_ltol_db: 307226 kilobytes LOAded.
Backup Server: 4.58.1.1: Database bv_ltol_db: 307234 kilobytes LOAded.
Backup Server: 3.42.1.1: LOAD is complete (database bv_ltol_db).
Msg 692, Level 20, State 1:
Line 1:
Uninitialized logical page '4931' was read while accessing object '8' in
database '5'. Please contact Sybase Technical Support.
The SQL Server is terminating this process.
```

Database repair:

```
dbcc dbcheck bvdb
dbcc dbrepair bvdb
```

Drop a damaged/suspect database :

```
dbcc dbrepair (bvdb, dropdb)
```

(this db had errors from startserver :

```
00:00000:00001:2000/03/17 10:17:26.67 server Database 'sybtempprocs' is now online.
00:00000:00001:2000/03/17 10:17:26.72 server Error: 926, Severity: 14, State: 1
00:00000:00001:2000/03/17 10:17:26.72 server Database 'bvdb' cannot be opened. An earlier attempt at
recovery marked it 'suspect'. Check the SQL Server errorlog for information as to the cause.
00:00000:00001:2000/03/17 10:17:26.76 server Unable to proceed with the recovery of dbid <5> because
of previous errors. Continuing with the next database.
00:00000:00001:2000/03/17 10:17:26.86 server Recovering database 'robin1'.
```

Handy SQL commands:

```
select * from BV_STORE

update BV_STORE set STORE_NAME = "MyBank" where STORE_ID = 90

select CREATION_TIME from BV_EDITORIAL where ED_NAME like "%Key%"

1> insert into TDW_PASSWD_GEN
2> values(100,1,"frog")

1> select * from TDW_PASSWD_GEN
2> where ONE_WORD like "frog"

1> select NAME from BV_USER_PROFILE where USER_ID=1082
2>
NAME
-----
MR D C AND MRS P BOLTON (N)
```

How to do like an Oracle 'desc table' command:

```
sp_help BV_USER_PROFILE
```

how to list all tables in current db:

```
sp_help
```

Find a BV member:

```
select * from BV_USER where USER_ALIAS='MARTIN_TDW@HOTMAIL.COM'
```

Sybase's bcp command is a bit like Oracle's exp:

```
bcp master..syslogins out file.out -c -Usa -Pqwerty -Srobin1
```

```
bcp BV_EDITORIAL out bv.txt -c -t '#' -r '\n' -Ubvuser -Srobin1
```

```
CONTENT_TYPE = EDITORIAL
```

```
bv_load_content -s "MyBank" -f input.dat -u -d -o outfile.txt
```