POSTGRESQL 8.3 PG_DUMP, PG_DUMPALL, PG_RESTORE CHEAT SHEET

pg_dump, pg_dump_all, pg_restore are all located in the bin folder of the PostgreSQL install and PgAdmin III install.

pg_dump dumps a database as a text file or to other formats.

Usage: pg_dump [OPTION]... [DBNAME]

pg_dumpall extracts a PostgreSQL database cluster into an SQL script file.

Usage: pg_dumpall [OPTION]...

pg_restore restores a PostgreSQL database from an archive created by pg_dump.

Usage: pg_restore [OPTION]... [FILE]

General options: (D - pg_dump, R - pg_restore , A - pg_dumpall)

	R		-d, --dbname=NAME	connect to database name (pg_dump uses this to mean inserts)
D	R	A	-f, --file=FILENAME	output file name
D	R		-F, --format=c|t|p (p only for pg_dump, psql to restore p)	specify backup file format (c = compressed, t = tar, p = plain text)
D	R	A	-i, --ignore-version	proceed even when server version mismatches
	R		-l, --list	print summarized TOC of the archive
D	R		-v, --verbose	verbose mode
D	R	A	--help	show this help, then exit
D	R	A	--version	output version information, then exit
D			-Z, --compress=0-9	compression level for compressed formats

Options controlling the dump / restore: (D - pg_dump, R - pg_restore, A - pg_dumpall)

D	R	A	-a, --data-only	restore only the data, no schema
D			-b, --blobs	include large objects in dump
D	R	A	-c, --clean	clean (drop) schema prior to create (for pg_dumpall drop databases prior to create)
D			-C, --create	(D) include commands to create database, (R) create the target database
D		A	-d, --inserts	dump data as INSERT commands, rather than COPY
D		A	-D, --column-inserts	dump data as INSERT commands with column names
D			-E, --encoding=ENCODING	dump the data in encoding ENCODING
		A	-g, --globals-only	dump only global objects, no databases
	R		-I, --index=NAME	restore named index
	R		-L, --use-list=FILENAME	use specified table of contents for ordering output from this file
D	R		-n, --schema=NAME	dump/restore only objects in this schema
D			-N, --exclude-schema=SCHEMA	do NOT dump the named schema(s)
D		A	-o, --oids	include OIDs in dump
	R		-O, --no-owner	skip restoration of object ownership
	R		-P, --function=NAME(args)	restore named function
		A	-r, --roles-only	dump only roles, no databases or tablespaces
D	R		-s, --schema-only	dump/restore only the schema, no data
D	R	A	-S, --superuser=NAME	specify the superuser user name to use for disabling triggers/and dumping in plain text
D	R		-t, --table=NAME	(D) dump the named table(s), (R) restore named table
		A	-t, --tablespaces-only	dump only tablespaces, no databases or roles
	R		-T, --trigger=NAME	(R) restore named trigger
D			-T, --exclude-table=TABLE	(D) do NOT dump the named table(s)
D	R	A	-x, --no-privileges	(D) do not dump privileges (R) skip restoration of access privileges (grant/revoke)
D	R	A	--disable-triggers	disable triggers during data-only restore
D	R	A	--use-set-session-authorization	use SESSION AUTHORIZATION commands instead of OWNER TO commands
	R		--no-data-for-failed-tables	do not restore data of tables that could not be created
	R		-1, --single-transaction	restore as a single transaction
D		A	--disable-dollar-quoting	disable dollar quoting, use SQL standard quoting

Connection options:

```
  -h, --host=HOSTNAME      database server host or socket directory
  -p, --port=PORT          database server port number
  -U, --username=NAME      connect as specified database user
  -W, --password           force password prompt (should happen automatically)
  -e, --exit-on-error      exit on error, default is to continue

If no input file name is supplied, then standard input is used.
```

pg_restore Example Use

restore whole database

```
pg_restore --host=localhost --dbname=db_to_restore_to --username=someuser /path/to/somedb.backup
```

restore only the schema (no objects)

```
pg_restore --schema-only=someschema --dbname=db_to_restore_to --username=someuser /path/to/somedb.backup
```

restore only a specifically named schema's data: note the schema has to exist before hand

```
pg_restore --schema=someschema --dbname=db_to_restore_to --username=someuser /path/to/somedb.backup
```

Get a listing of items in backup file and pipe to text file (only works for tar and compressed formats)

```
pg_restore --list backupfilepath --file=C:/somedb_list.txt
```

pg_dump, pg_dumpall Example Use

dump database in compressed include blobs show progress

```
pg_dump -i -h someserver -p 5432 -U someuser -F c -b -v -f "/somepath/somedb.backup" somedb
```

dump database in sql_ascii encoding

```
pg_dump -i -h someserver -p 5432 -U someuser -E sql_ascii -F c -b -v -f "/somepath/somedb.backup" somedb
```

backup pgagent schema of postgres db in plain text copy format, maintain oids

```
pg_dump -i -h someserver -p 5432 -U postgres -F p -o -v -n pgagent -f "C:/pgagent.sql" postgres
```

dump all databases - note pg_dumpall can only output to plain text

```
pg_dumpall -i -h someserver -p 5432 -U someuser -c -o -f "/somepath/alldbs.sql"
```

http://www.postgresonline.com