

SQLGraph

A simple tool to produce an entity relationship diagram from a SQL file of table definitions. It is fairly primitive, often requiring a touch up of the input file manually, but still quite useful to see dependencies.

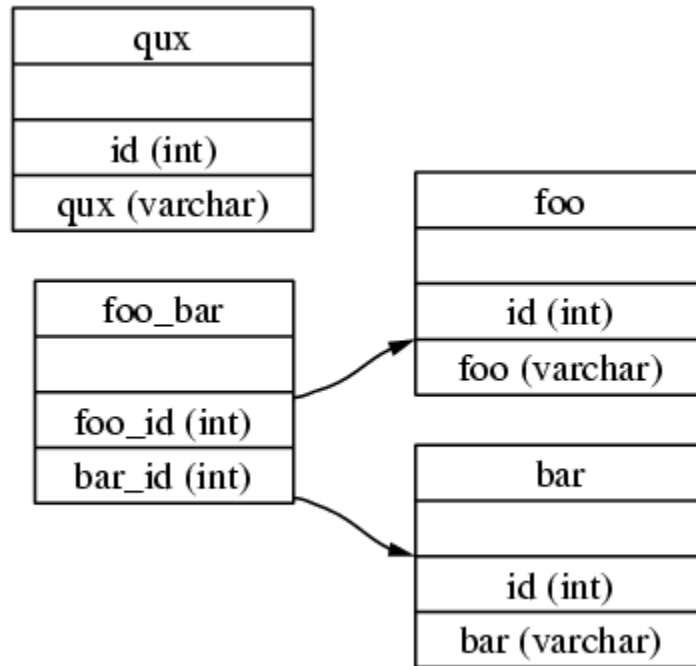
It tries to ignore anything in the input it doesn't understand, and is fairly robust for common SQL grammar objects, but may break with SQL extensions and unusual column/key definitions. If this happens, simply make a copy of the input file and strip out whatever it is complaining about until it works. The minimal input grammar is:

```
Start => CreateTable*
CreateTable => "create"/i Space "table"/i Space TableName
Space? "(" ColumnDefList? ")" ";"
ColumnDefList => ColumnDef | ColumnDef "," ColumnDefList
ColumnDef => ColName Space ColType (Space Reference)?
Reference => "references"/i TableName "(" ColName ")"
TableName => Atom
ColName => Atom
ColType => Atom
Space => [[:space:]]+
Atom => [^[:space:]]+ | '([^'|']|')+'
```

The output is in a format suitable for Graph Viz's dot tool. To make any use of the tool, you'll need [GraphViz](#).

SQL Graph is written in Java so you'll need a recent JDK to compile it from the source, and at least a recent JRE to run it from the JAR file below.

Here is a [sample input file](#) and the output graph:



A typical usage might be:

```
sqlgraph mySchema.sql | dot -Tps | gv -
```

source: <http://www.vk2zay.net/article/69>