
Subject: Copy from stdin (PostgreSQL) support in U++ SQL

Posted by [shutalker](#) on Thu, 02 Apr 2020 18:41:31 GMT

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Hi all!

Is it possible to execute COPY table_name FROM STDIN via Sql interface?

I'm trying to do something like this

```
PostgreSQLSession pgSession;
```

```
if (!pgSession.Open("dbname=postgres user=postgres")) {  
    RLOG("failed to setup postgresql session");  
    return;  
}
```

```
Sql sql(pgSession);
```

```
// Is there a way to setup any IO stream for data transfer?
```

```
if (!sql.Execute("COPY my_test_table FROM STDIN")) {  
    RLOG("failed to copy data from client: " << sql.GetLastError());  
    return;  
}
```

But I don't know how to transfer data I want to import into database.

UPD: I've made a temporary dirty hack that works. This hack requires psql client to be installed

```
...  
    LocalProcess psqlClient;  
    String psqlCopyCmd = Format("\\COPY \"%s\" FROM STDIN", tableName);  
  
    if (!psqlClient.Start("psql", {config["database"]["init"], "-c", psqlCopyCmd}))  
        throw String("failed to run psql client in child process");  
  
    ...  
  
    String copyLine;  
    ...  
    psqlClient.Write(copyLine);  
    ...  
  
    psqlClient.CloseWrite();  
    String exitMessage;  
    psqlClient.Finish(exitMessage);  
  
    if (psqlClient.GetExitCode() != 0)
```

```
throw Format("failed to import 3d-data into database: %s", exitMessage);
```

```
...
```
