
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);
```

```
...
```

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

Posted by [mirek](#) on Mon, 13 Apr 2020 11:33:28 GMT

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shutalker wrote on Thu, 02 April 2020 20:41Hi all!

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String exitMessage;
psqlClient.Finish(exitMessage);

if (psqlClient.GetExitCode() != 0)
    throw Format("failed to import 3d-data into database: %s", exitMessage);
    ...
```

I am pretty sure that "COPY ... from STDIN" is actually psql command, not SQL server command, so your hack makes sense.

If you wanted to do something like this with Sql, you would have to parse STDIN and just use Insert..
