



**EPAM Systems, RD Dep., RD Dep.**

# **INSTALLATION INSTRUCTIONS**

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# 1 INSTALL SALES HISTORY SCHEMA

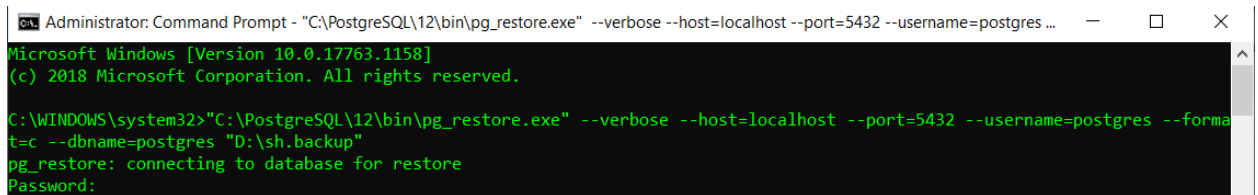
Deployment steps:

1. Save **sh.backup** file locally.
2. Run the following command in command line (change file path to **pg\_restore.exe** and **sh.backup** if necessary):

```
"C:\PostgreSQL\12\bin\pg_restore.exe" --verbose --host=localhost --port=5432 --username=postgres --format=c --dbname=postgres "D:\sh.backup"
```

NOTE:

- *make sure the above path you copied is a solid line without breaks (check it in notepad)*
- *command line must be run under the administrator*
- *"C:\PostgreSQL\12\bin\pg\_restore.exe" - file path to **pg\_restore.exe** client application*
- *"D:\sh.backup" - path to **sh.backup** file*



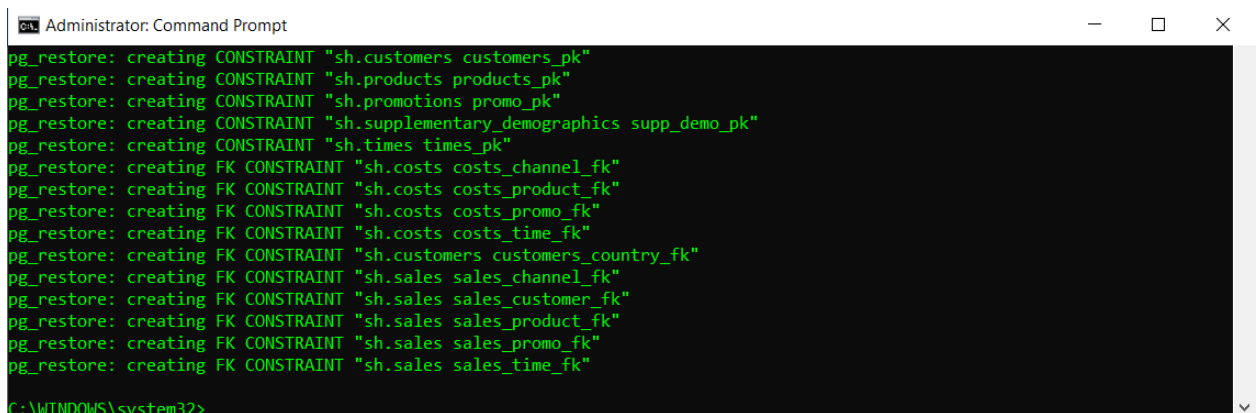
```
Administrator: Command Prompt - "C:\PostgreSQL\12\bin\pg_restore.exe" --verbose --host=localhost --port=5432 --username=postgres ...
Microsoft Windows [Version 10.0.17763.1158]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>"C:\PostgreSQL\12\bin\pg_restore.exe" --verbose --host=localhost --port=5432 --username=postgres --format=c --dbname=postgres "D:\sh.backup"
pg_restore: connecting to database for restore
Password:
```

Enter **password** for postgres user.

NOTE: *you will not see that you entered the password*

Waiting time is about 1 minute.



```
Administrator: Command Prompt

pg_restore: creating CONSTRAINT "sh.customers customers_pk"
pg_restore: creating CONSTRAINT "sh.products products_pk"
pg_restore: creating CONSTRAINT "sh.promotions promo_pk"
pg_restore: creating CONSTRAINT "sh.supplementary_demographics supp_demo_pk"
pg_restore: creating CONSTRAINT "sh.times times_pk"
pg_restore: creating FK CONSTRAINT "sh.costs costs_channel_fk"
pg_restore: creating FK CONSTRAINT "sh.costs costs_product_fk"
pg_restore: creating FK CONSTRAINT "sh.costs costs_promo_fk"
pg_restore: creating FK CONSTRAINT "sh.costs costs_time_fk"
pg_restore: creating FK CONSTRAINT "sh.customers customers_country_fk"
pg_restore: creating FK CONSTRAINT "sh.sales sales_channel_fk"
pg_restore: creating FK CONSTRAINT "sh.sales sales_customer_fk"
pg_restore: creating FK CONSTRAINT "sh.sales sales_product_fk"
pg_restore: creating FK CONSTRAINT "sh.sales sales_promo_fk"
pg_restore: creating FK CONSTRAINT "sh.sales sales_time_fk"

C:\WINDOWS\system32>
```

Establish connection with database, run the following script and compare results:

```
SELECT 'countries' AS table_name, COUNT(1) FROM sh.countries UNION ALL
SELECT 'customers', COUNT(1) FROM sh.customers UNION ALL
SELECT 'channels', COUNT(1) FROM sh.channels UNION ALL
SELECT 'times', COUNT(1) FROM sh.times UNION ALL
SELECT 'products', COUNT(1) FROM sh.products UNION ALL
SELECT 'promotions', COUNT(1) FROM sh.promotions UNION ALL
SELECT 'costs', COUNT(1) FROM sh.costs UNION ALL
SELECT 'sales', COUNT(1) FROM sh.sales UNION ALL
SELECT 'supplementary_demographics', COUNT(1) FROM sh.supplementary_demographics
UNION ALL
SELECT 'profits', COUNT(1) FROM sh.profits;
```

```
/*results:
countries                23
customers                55500
channels                  5
times                   1826
products                 72
promotions               503
costs                   82112
sales                   918843
supplementary_demographics 4500
profits                 916039
*/
```

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