

## RhodeCode CE/EE - Support #4252

### Backup & Recovery

29.09.2016 19:57 - Raj Thakkar

<b>Status:</b>	New	<b>Start date:</b>	29.09.2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Sorting:</b>		<b>Affected Version:</b>	
<b>Commit Number:</b>			
<b>Description</b>			
Hi,			
What is the best approach to backup Rhodecode Enterprise? How to restore a particular corrupted repository from a backup?			
We are running Enterprise version: 4.4.0 on AWS Linux			
Thanks.			
-raj			

### History

#### #1 - 07.10.2016 15:48 - Marcin Kuzminski [staff]

Hi Raj,

Here are the relevant docs on backup: <https://docs.rhodecode.com/RhodeCode-Enterprise/admin/backup-restore.html>

However if you are on AWS and you're using the image, it's possible to do a snapshot backup of the VM.

Cheers

#### #2 - 07.10.2016 16:41 - Bert Zahniser

Hi Marcin,

The link above documents how to backup the postgres db but does not provide the equivalent comment to restore. I tried simply using "psql -f postgresql-db-backup" but received the error: "psql: FATAL: role "rcdev" does not exist".

Can you provide the proper syntax for restoring?

#### #3 - 07.10.2016 16:51 - Marcin Kuzminski [staff]

Hi Bert,

Thanks for the tip, i added the commands to our docs: here's the command for restoration of postgres:

<https://code.rhodecode.com/rhodecode-enterprise-ce/annotate/eb62cf1fa2f69a529acfi41a0di26166251dadff9/docs/admin/backup-restore.rst#L-65>

#### #4 - 07.10.2016 17:43 - Bert Zahniser

I'm getting errors attempting a restore. Dump works fine and I can view the dump file show the SQL creation commands followed by the COPY commands.

Here's the commands I am using:

```
PASSWORD=; export PASSWORD
pg_dump postgresql://postgres@127.0.0.1:5432/rhocode > db_dump
```

## Restore

```
psql -d postgresql://postgres@127.0.0.1:5432/rhocode -1 -f db_dump
```

I get a ton of error messages. Here's the beginning of the output block:

```
SET
SET
SET
SET
SET
SET
SET
CREATE EXTENSION
COMMENT
SET
SET
SET
psql:db_dump:41: ERROR: relation "cache_invalidation" already exists
psql:db_dump:44: ERROR: current transaction is aborted, commands ignored until end of transaction block
psql:db_dump:55: ERROR: current transaction is aborted, commands ignored until end of transaction block
psql:db_dump:58: ERROR: current transaction is aborted, commands ignored until end of transaction block
psql:db_dump:64: ERROR: current transaction is aborted, commands ignored until end of transaction block
```

#### #5 - 07.10.2016 17:54 - Marcin Kuzminski [staff]

Hi Bert,

The restore in this case can be only done on empty database. Did you destroy and create a database again ?

Cheers

**#6 - 07.10.2016 19:24 - Bert Zahniser**

No. Can you provide the correct commands to destroy? It looks like the restore creates a new DB.

**#7 - 07.10.2016 19:47 - Marcin Kuzminski [staff]**

The general chain of commands is:

- run a backup like in the docs
- drop the OLD database (we're assuming you're doing a restore on a new machine so OLD DB wouldn't exist)
- PGPASSWORD=<password> psql -U <user> -h localhost -c 'drop database if exists 'rhodecode';
- Create a NEW empty database
- PGPASSWORD=<password> psql -U <user> -h localhost -c 'create database 'rhodecode';
- Perform a restore like in docs