

## 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>	

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**Description**

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 [CTO]

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 [CTO]

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/eb62cf1fa2f69a529acf41a0df26166251dadff9/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/rhodecode > db_dump
```

## Restore

```
psql -d postgresql://postgres@127.0.0.1:5432/rhodecode -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 [CTO]**

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 [CTO]**

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 'rhocode';
- Create a NEW empty database
- PGPASSWORD=<password> psql -U <user> -h localhost -c 'create database 'rhocode';
- Perform a restore like in docs