



Collec-science Instances ZA



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Gestion multi-instances

- * RZA
- * laboratoire
- * tests

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https://github.com/zer0mode/CS-repo/blob/master/multi-instance_config.md

Collec-science multi-instance config [CS-MI]

Proc steps

- ___ Note 0
- ___ **Create multi-instance tree structure**
- ___ CS-MI tree example
- ___ Extract keys and values
- ___ ini file structure
- ___ **Enable multi-instance mode**
- ___ **Configure databases and credentials**
- ___ Start from scratch
- ___ Duplicate existing database
- ___ **Configure multi-instance.conf**
- ___ Additional instances

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<https://github.com/Irstea/collec/tree/master/install>

readme.txt

COLLEC-SCIENCE

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For install a new instance in a dedicated server:

```
wget https://github.com/Irstea/collec/raw/master/install/deploy\_new\_instance.sh
```

```
sudo -s
```

```
./deploy_new_instance.sh
```

For upgrade to release 2.2.3, see the file:

```
https://github.com/Irstea/collec/raw/master/install/upgrade\_to\_2.2.3.txt
```

GENERAL INSTALLATION AND CONFIGURATION DOCUMENTATION (in french):

```
https://github.com/Irstea/collec/raw/master/database/documentation/collec\_installation\_configuration.txt
```

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```

/
|-- var
|   |-- www
|   |   |-- collec-science
+   |   |   |-- collec ( -> /path/to/collec-lastver)
+   |   |   |-- param
+   |   |   |   |-- param.inc.php
+   |   |   |   |   |
+   |   |   |   |   +   |
+   |   |   |   |   +   +
+   |   |   |   |
+   |   |   |   |-- bin* ( -> collec)
+   |   |   |   |
+   |   |   |   |-- first-instance
+   |   |   |   |   |-- bin* ( -> ../bin)
+   |   |   |   |   \-- param.ini
+   |   |   |   |
+   |   |   |   |-- second-instance
+   |   |   |   |   |-- bin* ( -> ../bin)
+   |   |   |   |   \-- param.ini
+   |   |   |   |
+   |   |   |   +

```

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2.2.3 demo

```
$ ls -al /var/www/collec-science/demo  
  
ot  4096 févr. 22 11:10 .  
ot  4096 févr. 22 10:41 ..  
ot   14 févr. 22 11:10 bin -> ../collec-r223  
opy  323 févr. 22 11:07 param.ini
```

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```

/
|-- var
|   |-- www
|   |   |-- collec-science
+   |   |   |-- collec ( -> /path/to/collec-lastver)
      +   |   |   |-- param
          +   |   |   |-- param.inc.php
              |   |   |
              |   |   +   |
              |   |       +
              |
              |-- bin* ( -> collec)
              |
              |-- first-instance
              |   |-- bin* ( -> ../bin)
              |   \-- param.ini
              |
              |-- second-instance
              |   |-- bin* ( -> ../bin)
              |   \-- param.ini
              |
              +
  
```

Collec-science Instances ZA *actuelles*

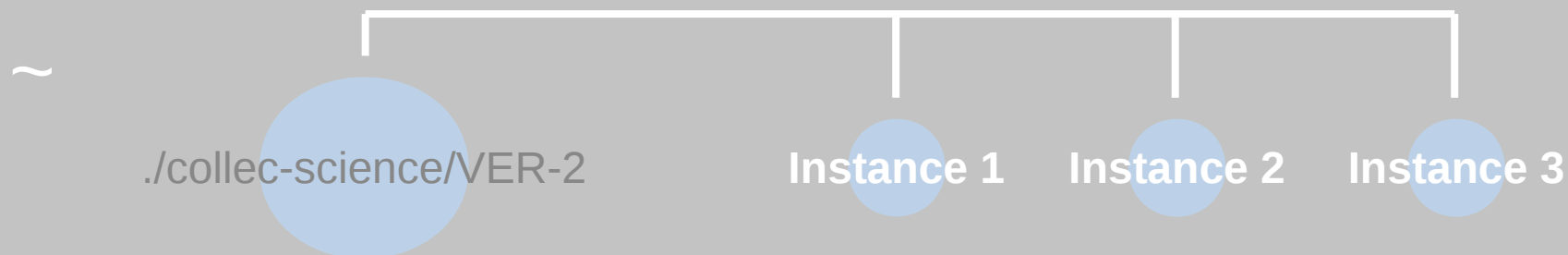
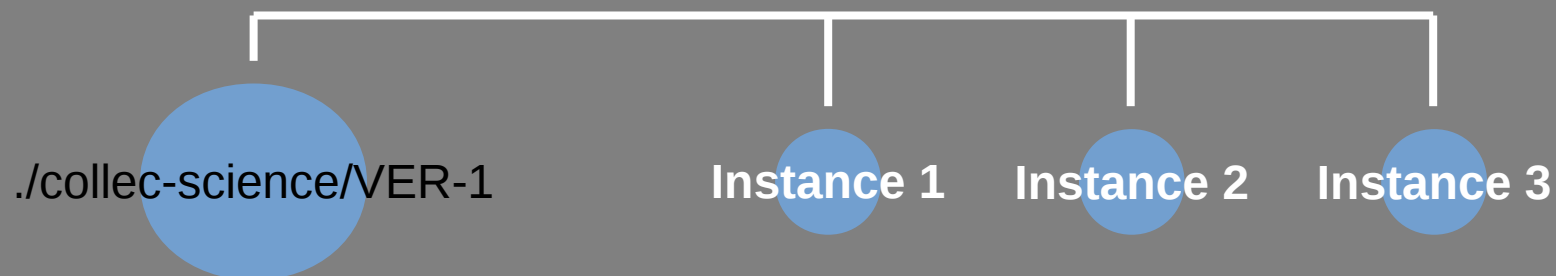


2.2.3 demo

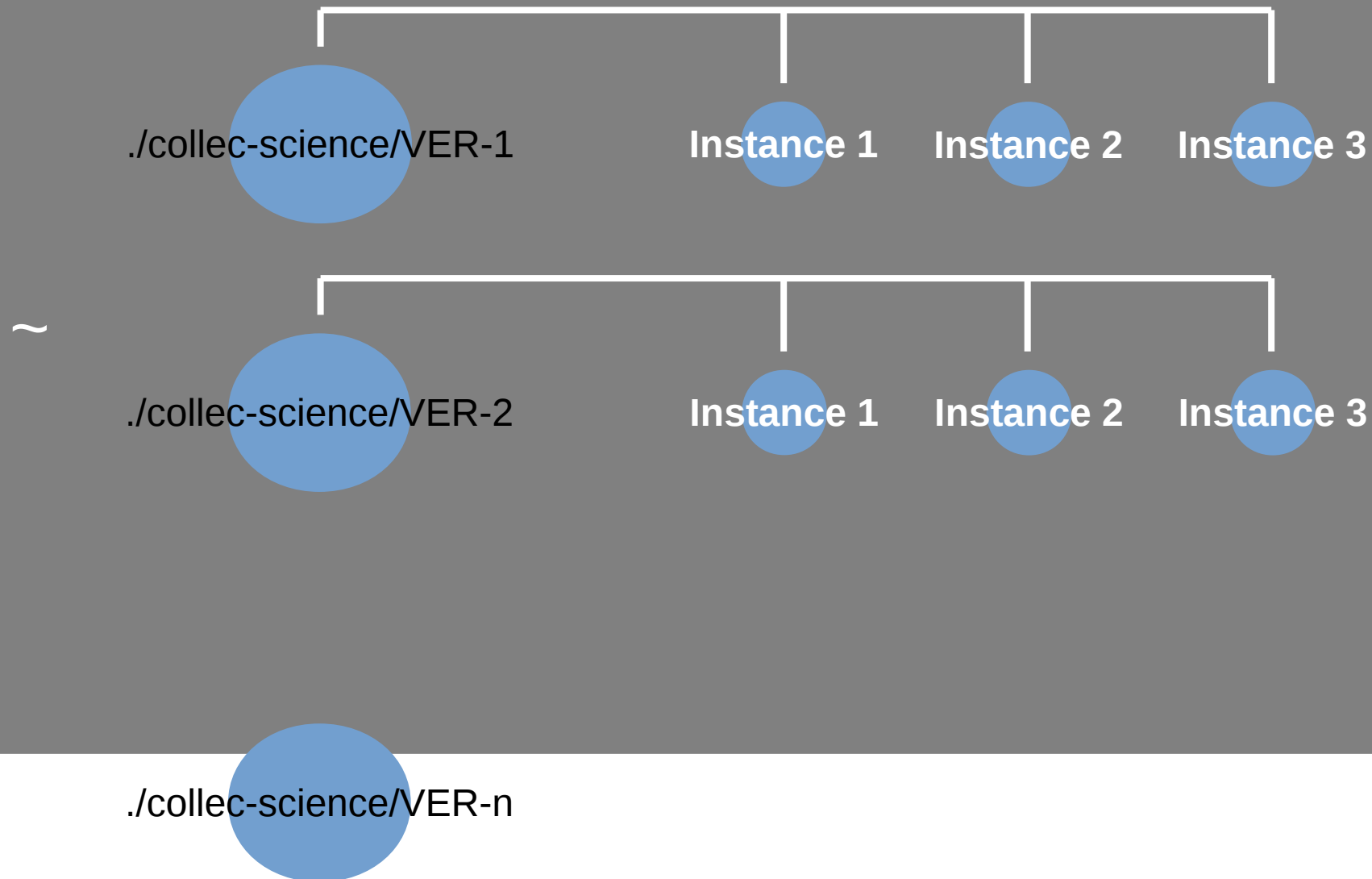
2.2.2 roza iuem zaloire zapvs zam
pygar BD distante

2.1 zaeu zabr

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Collec-science Instances ZA



Collec-science Instances ZA

```
~  
$ ls /var/www/collec-science/  
bin          demo.orig          zabri  
collec-hotfix-2.2.1 hotfix221          zaeu  
collec-r21   iuem              zaloire  
collec-r222  pygar             zam  
collec-r223  release2.1        zapvs  
collec-release-2.2.2 release_2.2.3.zip zata  
collec-release_2.2.3 roza  
demo        zabr
```

```
.  
..  
bin -> collec-r222  
collec-hotfix-2.2.1  
collec-r21 -> release2.1/  
collec-r222 -> collec-release-2.2.2/  
collec-r223 -> collec-release_2.2.3  
collec-release-2.2.2  
collec-release_2.2.3  
demo  
demo.orig
```

Collec-science Instances ZA



2.2.3 demo

```
$ ls -al /var/www/collec-science/demo
```

```
ot  4096 févr. 22 11:10 .  
ot  4096 févr. 22 10:41 ..  
ot   14 févr. 22 11:10 bin -> ../collec-r223  
opy  323 févr. 22 11:07 param.ini
```

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<https://github.com/Irstea/collec/blob/master/param/param.inc.php.dist>
[./collec-science/collec-release_2.2.3/param/param.inc.php.dist](https://github.com/Irstea/collec/blob/master/param/param.inc.php.dist)

A typical minimal CS-MI param.ini file should contain

```
; First instance param
; Database management
BDD_login = username
BDD_passwd = password
BDD_dsn = "pgsql:host=localhost;dbname=dbname"

; Rights management, logins and log records
GACL_dblogin = username
GACL_dbpasswd = password
GACL_dsn = "pgsql:host=localhost;dbname=dbname"
```

You can create the first-instance/param.ini file using the above example and skip to the next chapter. However, verify that keys correspond with those in the param.inc.php.dist of the deployed application.

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~
<https://github.com/Irstea/collec/blob/master/param/param.inc.php>
[./collec-science/collec-release_2.2.3/param/param.inc.php](https://github.com/Irstea/collec/blob/master/param/param.inc.php)

Enable multi-instance mode

1. Change the login credentials in the new `first-instance/param.ini` .
2. To enable the multi-instance *'mode'* uncomment the lines 144 and 145 in `/var/www/collec-science/param.inc.php` .

```
//$schemin = substr($_SERVER["DOCUMENT_ROOT"],0, strpos($_SERVER["DOCUMENT_ROOT"]  
//$paramIniFile = "$schemin/param.ini";
```

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Configure databases and credentials

Modify the connection details in the created `param.ini` file to match the configuration in `pg_hba.conf` and enable the DB access. You might need to change the access rights.

```
sudo chgrp www-data first-instance/param.ini
sudo chmod 750 first-instance/param.ini
```

Start from scratch

To start a fresh instance create a new database using the collec-science [init script^{\(1\)}](#). Don't forget to chose a database name suiting the new instance and to configure its access in the postgresql `pg_hba.conf`

(1) https://github.com/lrstea/collec/blob/03dc3942bb46ddf5c37f114210dbffc641ff22e1/install/deploy_new_instance.sh#L40

Duplicate existing database

If the database contains data which can be used in the new instance :

```
sudo -u postgres pg_dump myhotdb > path/to/hotDBexport.sql export the existing DB
sudo -u postgres psql -c "CREATE DATABASE newinstancedb OWNER collec;" create a new empty DB
```

make sure the *OWNER* has been previously created

```
sudo -u postgres psql newinstancedb < path/to/hotDBimport.sql and reimport the exported DB
```

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Configure multi-instance.conf

Create a new `first-instance.conf` in `/etc/apache2/sites-available/`

```
sudo cp -a /etc/apache2/sites-available/collec-science.conf /etc/apache2/sites-available/first-in
```

Replace current domain name with the *first-instance* domain.

```
# you must change lines 9, 10, 12 and 15, 16 (replace collec.mysociety.com by your fqdn)  
https://github.com/lrstea/collec/blob/8ecbf85f555f13fbcc61d8bd07d0d4b3c1692a23/install/apache2/collec-science.conf#L1
```

`<Document root>` and `<Directory>` have to be redefined as well. Modify paths on lines 37, 39 and 45 to `/var/www/collec-science/first-instance/bin`.

Enable the new site and reload apache2

```
sudo a2ensite first-instance  
sudo service apache2 reload
```


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Merci !