

backup

how phpbu can help

about me

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PHP since <2000

@movetodevnull



making backup easy

backup tasks

- copy data
- check copied data
- sync/archive data
- cleanup local backup location
- notification if something goes wrong

phpbu does

- copy data
- check copied data
- sync/archive data
- cleanup local backup location
- notification if something goes wrong

installation

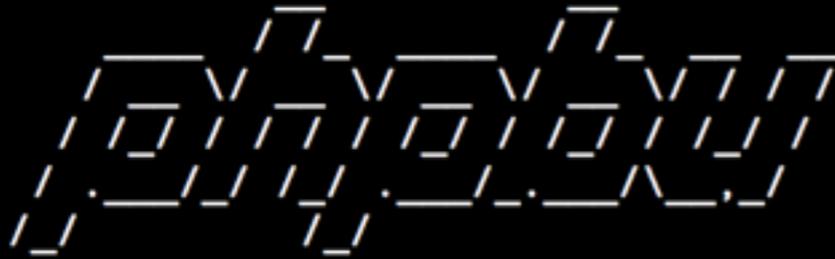
- composer require „phpbu/phpbu“
- git clone, composer install
- download the PHAR phar.phpbu.de/phpbu.phar

```
zaphod:~/php/phpbu/phpbu sf$ wget phar.phpbu.de/phpbu.phar  
zaphod:~/php/phpbu/phpbu sf$ sudo mv phbu.phar /usr/local/bin/phpbu
```

install the phar

move to a location in your path

```
zaphod:/tmp sf$ phpbu
```



```
phpbu 2.1.2
```

```
Usage: phpbu [option]
```

<code>--bootstrap=<file></code>	A "bootstrap" PHP file that is included before the backup.
<code>--configuration=<file></code>	A phpbu xml config file.
<code>--colors</code>	Use colors in output.
<code>--debug</code>	Display debugging information during backup generation.
<code>-h, --help</code>	Prints this usage information.
<code>-v, --verbose</code>	Output more verbose information.
<code>-V, --version</code>	Output version information and exit.
<code>--self-update</code>	Update phpbu to the latest version.

verify install

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <phpbu>
3   <backup>
4     <source type="mysqldump" />
5     <target dirname="backup/mysql" filename="mysql-%Y%m%d-%H%i.sql"/>
6   </backup>
7 </phpbu>
8
```

configure backup

save as phpbu.xml

```
zaphod:~/php/phpbu/phpbu sf$ phpbu  
phpbu 2.1.2
```

```
Configuration read from /Users/sf/php/phpbu/phpbu/phpbu.xml
```

```
Time: 62 ms, Memory: 2.50Mb
```

```
OK (1 backup, 0 checks, 0 crypts, 0 syncs, 0 cleanups)
```

execute phpbu

```
zaphod:~/php/phpbu/phpbu sf$ phpbu --debug
phpbu 2.1.2

Configuration read from /Users/sf/php/phpbu/phpbu/phpbu.xml

create backup (mysqldump): /usr/bin/mysqldump --all-databases 2>
/dev/null > /Users/sf/php/phpbu/phpbu/backup/mysql/mysql-20150521-1758.sql
done
Time: 53 ms, Memory: 2.50Mb

OK (1 backup, 0 checks, 0 crypts, 0 syncs, 0 cleanups)
```

get some debug output

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <phpbu>
3   <backup>
4     <source type="mysqldump"/>
5     <target dirname="backup/mysql" filename="mysql-%Y%m%d-%H%i.sql"/>
6
7     <check type="sizemin" value="10M"/>
8
9   </backup>
10 </phpbu>
11
```

check the backup

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <phpbu>
3 <backup>
4   <source type="mysqldump"/>
5   <target dirname="backup/mysql" filename="mysql-%Y%m%d-%H%i.sql"/>
6   <check type="sizemin" value="10M"/>
7
8   <sync type="dropbox">
9     <option name="token" value="ljhjkajkHLJHGL9u8z3123123uHJKbla123knSRqQFw" />
10    <option name="path" value="/phpbu-backup/%Y" />
11  </sync>
12
13 </backup>
14 </phpbu>
15
```

sync backup

Amazon S3, copy.com, dropbox, rsync, SFTP, Softlayer

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <phpbu>
3   <backup>
4     <source type="mysqldump"/>
5     <target dirname="backup/mysql" filename="mysql-%Y%m%d-%H%i.sql"/>
6     <check type="sizemin" value="10M"/>
7     <sync type="dropbox">
8       <option name="token" value="ljhjkajkHLJHGL9u8z3123123uHJKbla123knSRqQFw" />
9       <option name="path" value="/phpbu-backup/%Y" />
10    </sync>
11
12    <cleanup type="quantity">
13      <option name="amount" value="10"/>
14    </cleanup>
15
16  </backup>
17 </phpbu>
18
```

cleanup backup

Quantity, Capacity or Outdated

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <phpbu>
3   <backup>
4     <source type="mysqldump"/>
5     <target dirname="backup/mysql" filename="mysql-%Y%m%d-%H%i.sql"/>
6     <check type="sizemin" value="10M"/>
7
8     <crypt type="mcrypt">
9       <option name="algorithm" value="blowfish"/>
10      <option name="key" value="mySuperSecretKey"/>
11    </crypt>
12
13    <sync type="dropbox">
14      <option name="token" value="ljhjkajkHLJHGL9u8z3123123uHJKbla123knSRqQFw" />
15      <option name="path" value="/phpbu-backup/%Y" />
16    </sync>
17    <cleanup type="quantity">
18      <option name="amount" value="10"/>
19    </cleanup>
20  </backup>
21 </phpbu>
22
```

encrypting backup

```
zaphod:~/php/phpbu/phpbu sf$ phpbu  
phpbu 2.1.2
```

```
Configuration read from /Users/sf/php/phpbu/phpbu/phpbu.xml
```

```
Time: 1.78 seconds, Memory: 3.00Mb
```

```
OK (1 backup, 1 check, 1 crypt, 1 sync, 1 cleanup)
```

execute phpbu

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <phpbu>
3   <logging>
4     <log type="mail">
5       <option name="recipients" value="sebastian@phpbu.de"/>
6     </log>
7   </logging>
8   <backup>
9     <source type="mysqldump"/>
10    <target dirname="backup/mysql" filename="mysql-%Y%m%d-%H%i.sql"/>
11    <check type="sizemin" value="10M"/>
12    <crypt type="mcrypt">
13      <option name="algorithm" value="blowfish"/>
14      <option name="key" value="mySuperSecretKey"/>
15    </crypt>
16    <sync type="dropbox">
17      <option name="token" value="ljhjkajkHLJHGL9u8z3123123uHJKbla123knSRqQFw" />
18      <option name="path" value="/phpbu-backup/%Y" />
19    </sync>
20    <cleanup type="quantity">
21      <option name="amount" value="10"/>
22    </cleanup>
23  </backup>
24 </phpbu>
```

receive a backup report

receiving only failure reports is also possible

phpbu

sources

- directories
- arangodb
- mysql
- mongodb

syncs

- amazon S3
- dropbox
- copy.com
- softlayer
- SFTP
- rsync

phpbu.de

@phpBUde

<https://joind.in/talk/view/14598>