

mysql8 xtrabackup (Docker) /

Container Mysql8 xtrabackup Full Backup / Restore

, Docker DB DB (Full Backup)
Host machine , OOM 가
"xtrabackup"

mysqldump / ,

xtrabackup ?

- Mysql / Mariadb

- xtrabackup /

- mysqldump xtrabackup

- :
Backup Server

xtrabackup

xtrabackup Host Mysql Container ,

(OS / Host OS)

가 docker / docker-compose / mysql container



* mysql docker-compose.yml

xtrabackup mysql 가 가
, logrotate .

docker-compose up -d

- mysql8 container (-d :)

docker ps

- Container ID

docker exec -it [Container ID] /bin/bash

- Container



apt update -y && apt upgrade -y

-



apt install -y wget lsb-release

-
- wget : xtrabackup (.deb) 가
- lsb-release : OS



lsb_release -a

- OS



- xtrabackup

URL : <https://www.percona.com/downloads/Percona-XtraBackup-LATEST/>



- mysql8 , xtrabackup 8 .

wget

https://downloads.percona.com/downloads/Percona-XtraBackup-LATEST/Percona-XtraBackup-8.0.28-21/binary/debian/buster/x86_64/percona-xtrabackup-80_8.0.28-21-1.buster_amd64.deb

가



```
# dpkg -i percona-xtrabackup-80_8.0.28-21-1.buster_amd64.deb
```

```
# apt install -f -y //
```

```
# dpkg -i percona-xtrabackup-80_8.0.28-21-1.buster_amd64.deb
```



```
# xtrabackup //
```



xtrabackup

가 *Full backup*

```
# xtrabackup -backup -target-dir=/home/bak/xtra/
```

가



completed OK!

xtrabackup

Host Machine

```
# exit //
```

```
# docker-compose down // docker compose
```

```
# du -sh /home/data/var/lib/mysql //
```

```
183G /home/data/var/lib/mysql
```

```
# rm -rf /home/data/var/lib/mysql/ //
```



```
# xtrabackup -prepare -target-dir=/home/data/bak/xtra
```

```
▪ (-prepare )
```



```
[Xtrabackup] completed OK!
```

```
# xtrabackup -copy-back -target-dir=/home/data/bak/xtra/  
-datadir=/home/data/var/lib/mysql/
```

```
▪  
▪ -copy-back , -move-back  
.(-move-back  
.)
```



```
[Xtrabackup] completed OK! //
```

```
▪
```

```
# docker-compose up -d //
```

```
# docker exec -it [Container ID] /bin/bash //
```

```
# du -sh /var/lib/mysql //
```

```
183G /var/lib/mysql //
```



```
# mysql -u root -p // mysql
```

```
# show databases; // test db
```

use zabbix;

select * from users; //



가

MariaDB 10.1 Xtrabackup Mariabackup

MariaDB 10.3 Xtrabackup 가 ,

Mariabackup

- Mariabackup , MariaDB

Xtrabackup

- URL :

<https://mariadb.com/kb/en/percona-xtrabackup-overview/#compatibility-with-mariadb-103-and-later>

[Linux]

Ubuntu 20.04 LTS Ubuntu 22.04 LTS

2022 4 21 Ubuntu 22.04 LTS(Jelly Fish)

5.15

5 2027 4 21 , ESM(Extended Security
Maintenance) 2032 4 21 . ESM
3 가 .



Ubuntu 22.04 LTS PHP

8.1.2

PHP

가

PHP

가 **PHP 8.1**

.(

)



Ubuntu 20.04 LTS가 VM .(
20.04 LTS 21.10 .)



1. apt update && apt full-upgrade -y && apt dist-upgrade



2. apt -y autoremove



3. init 6



4. apt install -y update-manager-core



5. do-release-upgrade -d OS



OS **do-release-upgrade**

가 -d

6. SSH 가 Y 가 ssh

1022

```
Continue running under SSH?
```

```
This session appears to be running under ssh. It is not recommended to perform a upgrade over ssh currently because in case of failure it is harder to recover.
```

```
If you continue, an additional ssh daemon will be started at port '1022'.
```

```
Do you want to continue?
```

```
Continue [yN] y
```

7. 가 sshd 가 1022

1022 Port가 Open Enter

```
Starting additional sshd
```

```
To make recovery in case of failure easier, an additional sshd will be started on port '1022'. If anything goes wrong with the running ssh you can still connect to the additional one.
```

```
If you run a firewall, you may need to temporarily open this port. As this is potentially dangerous it's not done automatically. You can open the port with e.g.:
```

```
'iptables -I INPUT -p tcp --dport 1022 -j ACCEPT'
```

```
To continue please press [ENTER]
```

8. sources.list

Enter

```
Third party sources disabled
```

```
Some third party entries in your sources.list were disabled. You can re-enable them after the upgrade with the 'software-properties' tool or your package manager.
```

```
To continue please press [ENTER]
```

9.

.y

```
Do you want to start the upgrade?

49 packages are going to be removed. 189 new packages are going to be
installed. 720 packages are going to be upgraded.

You have to download a total of 745 M. This download will take about
3 minutes with your connection.

Installing the upgrade can take several hours. Once the download has
finished, the process cannot be canceled.

Continue [yN] Details [d]y
```

10.

. Yes



11. /etc/systemd/resolved.conf

Y I

N O

D

Z

```
Configuration file '/etc/systemd/resolved.conf'
==> Modified (by you or by a script) since installation.
==> Package distributor has shipped an updated version.
What would you like to do about it? Your options are:
  Y or I : install the package maintainer's version
  N or O : keep your currently-installed version
  D      : show the differences between the versions
  Z      : start a shell to examine the situation
The default action is to keep your current version.
*** resolved.conf (Y/I/N/O/D/Z) [default=N] ? Y
```


12. /etc/sysctl.conf

11

```
Configuration file '/etc/sysctl.conf'
==> Modified (by you or by a script) since installation.
==> Package distributor has shipped an updated version.
What would you like to do about it? Your options are:
  Y or I : install the package maintainer's version
  N or O : keep your currently-installed version
  D      : show the differences between the versions
  Z      : start a shell to examine the situation
The default action is to keep your current version.
*** sysctl.conf (Y/I/N/O/D/Z) [default=N] ? Y
```

13. openssh-server



14.

```
Remove obsolete packages?

114 packages are going to be removed.

Removing the packages can take several hours.

Continue [yN] Details [d]y
```

15.

.y

```
System upgrade is complete.  
  
Restart required  
  
To finish the upgrade, a restart is required.  
If you select 'y' the system will be restarted.  
  
Continue [yN] █
```

16. OS가 Ubuntu 22.04 LTS



Ubuntu 20.04 LTS

Ubuntu 22.04 LTS

pem

SSH Tunneling

SSH Tunneling ?

-SSH Tunneling

-Putty SSH Tunneling
가

SSH Tunneling



Pem key -> ppk

Putty generator (putty)



Conversions -> import key
Pem



Save private key

SSH

ex) AWS

VPC

EC2

SSH

RDS(mssql)

1. **SSH**

IP



2. **ppk**

Connection -> SSH -> Auth -> Authentication parameters
Private Key file for authentication ppk



3. **Connection -> SSH -> Auth -> Tunnels**

Source port =

ex 1433

Destination : ip:port Add

ex) AWS mysql
yds001.cq7iavl3dsuu.ap-
northeast-2.rds.amazonaws.com:1433



4. **PC cmd** **netstat**
netstat -ano | findstr " "

5. **PC**
ex) 127.0.0.1,1433

