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MySQL 8

- /app/mysql zip
- DATA /app/mysql_data 가

my.cnf

/etc/my.cnf

```
[mysqld]

###
default-authentication-plugin=mysql_native_password

datadir=/app/mysql_data
socket=/tmp/mysql.sock

log-error=/var/log/mysqld.log
pid-file=/app/mysql/mysqld.pid

###
lower_case_table_names=1

### Password validation ( )
#validate_password.length=8
#validate_password.mixed_case_count=0
#validate_password.number_count=0
#validate_password.policy=LOW
#validate_password.special_char_count=0

### slow query
slow_query_log = 1
slow_query_log_file = /var/log/mysql/mysql-slow.log
long_query_time = 2
log_slow_rate_limit = 1
log_slow_verbosity = query_plan
log_slow_admin_statements
# slow_query_log = 1( ), /var/log/mysql/mysql-slow.log
# long_query_time = 2 ( 2 )

### tuning
max_connections = 250
#max_connect_errors=10000
#wait_timeout = 28800
#group_concat_max_len=4M
#skip_name_resolve
#performance_schema_hosts_size=0
```

```
#host_cache_size=0
```

```
# EOF
```

systemd

```
systemd /usr/lib/systemd/system/mysqld.service .
```

```
[Unit]
Description=MySQL Server
Documentation=man:mysqld(8)
Documentation=http://dev.mysql.com/doc/refman/en/using-systemd.html
After=network.target
After=syslog.target

[Install]
WantedBy=multi-user.target

[Service]
User=mysql
Group=mysql

# Have mysqld write its state to the systemd notify socket
Type=notify

# Disable service start and stop timeout logic of systemd for mysqld
service.
TimeoutSec=0

# Start main service
ExecStart=/app/mysql/bin/mysqld --defaults-file=/etc/my.cnf $MYSQLD_OPTS

# Use this to switch malloc implementation
EnvironmentFile=-/etc/sysconfig/mysql

# Sets open_files_limit
LimitNOFILE = 10000

Restart=on-failure

RestartPreventExitStatus=1

# Set environment variable MYSQLD_PARENT_PID. This is required for restart.
Environment=MYSQLD_PARENT_PID=1
```

```
PrivateTmp=false
```

```
chmod 644 /usr/lib/systemd/system/mysqld.service  
systemctl enable mysqld.service
```

```
가 PATH /etc/profile.d/mysql.sh
```

```
export PATH="/app/mysql/bin:$PATH"
```

Database Initialize

```
user$ sudo ./mysqld \  
--defaults-file=/etc/my.cnf \  
--initialize \  
--user=mysql \  
--lower_case_table_names=1 \  
--basedir=/app/mysql \  
--datadir=/app/mysql_data
```

- <https://dev.mysql.com/doc/mysql-secure-deployment-guide/8.0/en/secure-deployment-post-install.html#secure-deployment-systemd-startup>

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