


```
install.sh
```

- Web
- `grep SITE_VERSION configuration/site.config.php`
- `curl /api/v1/status`

```
cd /srv/www/pmacontrol
grep -E 'SITE_VERSION|SITE_LAST_UPDATE' configuration/site.config.php
```

1.

```
mysqldump --single-transaction --routines --triggers \
-u pmacontrol -p pmacontrol > /backup/pmacontrol_$(date +%Y%m%d_%H%M%S).sql
```

```
--single-transaction InnoDB/RocksDB
```

```
ls -lh /backup/pmacontrol_*.sql
```

2.

```
cp -r /srv/www/pmacontrol/configuration/ /backup/pmacontrol_config_$(date +%Y%m%d)/
```

```
db.config.ini.php telegram.php acl.config.ini site.config.php
```

3.

```
cd /srv/www/pmacontrol
git log --oneline -1
# fe0911d (HEAD -> commercial) Fix: replication display for MySQL 8.4
```

```
grep SITE_VERSION configuration/site.config.php
# define('SITE_VERSION', '3.2.1');
```

```
fe0911d —
```

4. Git

```
git status
```

```
git pull
```

```
#
git stash save "pre-upgrade $(date +%Y%m%d)"

#
git checkout -- .
```

5.

```
df -h /srv/www/pmacontrol/
df -h /var/lib/mysql/
```

```
20%
```

1

```
cd /srv/www/pmacontrol
git fetch origin commercial
```

```
git log --oneline HEAD..origin/commercial
```

-

- `git pull`
- `composer install`
- `composer update`

2. `git pull`

```
git pull origin commercial
```

```
fatal: 'theirs' is not a commit on the remote branch 'origin/commercial'
```

3. `composer install`

```
composer install --no-dev
```

```
composer install --update --no-dev --optimize-autoloader --classmap-authoritative
```

```
composer install
```

```
# composer
echo $?
# composer 0

# vendor
ls -la vendor/autoload.php
```

4. `diff`

```
diff -r config_sample/ configuration/ --brief
```

```
diff -r config_sample/ configuration/ --brief
```

```
diff -r config_sample/ configuration/ --brief
```

```
# diff config_sample/ configuration/
for f in config_sample/*; do
  base=$(basename "$f")
  if [ ! -f "configuration/$base" ]; then
    echo "$f: $base - not found"
  fi
done
```



```
* * * * * cd /srv/www/pmacontrol && ./monitor_mysql.sh >> /tmp/pmacontrol_monitor.log 2>&1
0 */4 * * * cd /srv/www/pmacontrol && ./glial control service >> /tmp/pmacontrol_control.log
2>&1
```

3. 检查日志

```
# PHP 检查
tail -20 /var/log/apache2/error.log

# PmaControl 检查
tail -20 /tmp/pmacontrol_agent.log
tail -20 /tmp/pmacontrol_monitor.log
tail -20 /tmp/pmacontrol_control.log
```

检查完日志后，请继续下一步。

4. 配置 Web 访问

配置 PmaControl 的 Web 访问。

- 配置 Apache 的虚拟主机
- 配置 SSL 证书
- 配置 PHP 的扩展
- 配置 MySQL 的访问
- 配置 Redis 的访问
- Dot3 配置

5. 配置数据库

配置数据库的表结构。

```
# agent 表结构
./glial agent check_daemon

# 数据库查询
mysql -u pmacontrol -p pmacontrol -e "
SELECT server_id, MAX(timestamp) as last_data
FROM ts_value_general_int
GROUP BY server_id
```



```
./glial control service
# 
tail -20 /tmp/pmacontrol_agent.log
#  Web 
curl -s -o /dev/null -w "%{http_code}" https://pmacontrol.example.com/
#  200
```

Composer

```
composer.lock
```

```
# 
git diff HEAD~1 composer.lock | grep '"name"'
```

Glial 2.x 3.x CHANGELOG

```
# 
composer show --latest --outdated
```

composer update

```
# - 
composer update

# - 
composer install --no-dev
```

```
install.sh
```

```
-- 检查
-- 检查
SET @exist := (SELECT COUNT(*) FROM information_schema.COLUMNS
                WHERE TABLE_SCHEMA = 'pmacontrol'
                AND TABLE_NAME = 'mysql_server'
                AND COLUMN_NAME = 'new_column');

SET @sql = IF(@exist = 0,
              'ALTER TABLE mysql_server ADD COLUMN new_column VARCHAR(255) DEFAULT NULL',
              'SELECT "Column already exists"');

PREPARE stmt FROM @sql;
EXECUTE stmt;
```

检查

检查

操作	支持	备注
ADD COLUMN	是	MariaDB 10.0+
ADD INDEX	是	
MODIFY COLUMN	是	
DROP COLUMN	是	MariaDB 10.4+
ADD PARTITION	是	
操作	支持	备注

设置 value_general_int 为 1GB INDEX 检查

检查

安装.sh 检查 GB 检查 ALTER TABLE 检查

检查

1. 检查

检查

5-10

```
#!/bin/bash
# upgrade_pmacontrol.sh
set -eou pipefail

BACKUP_DIR="/backup/pmacontrol/$(date +%Y%m%d_%H%M%S)"
mkdir -p "$BACKUP_DIR"

# 
mysqldump --single-transaction -u pmacontrol -p"$DB_PASS" pmacontrol > "$BACKUP_DIR/db.sql"
cp -r /srv/www/pmacontrol/configuration/ "$BACKUP_DIR/config/"
git -C /srv/www/pmacontrol log --oneline -1 > "$BACKUP_DIR/version.txt"

# 
cd /srv/www/pmacontrol
git pull origin commercial
composer install --no-dev
./install.sh

# 
./glial control service
curl -s -o /dev/null -w "%{http_code}" https://pmacontrol.example.com/ | grep -q 200

echo ""
```

"Class not found"

```
Class 'Xyz' not found
```

```
composer install
```

```
composer install --no-dev
composer dump-autoload
```

