

PmaControl Commercial

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- PMACONTROL
- UPGRADE
- MAINTENANCE
- GIT
- PRODUCTION

PMACONTROL MAINTENANCE — COMMERCIAL BRANCH

Upgrade, rollback, and production best practices



VERSION TRACKING

```
SITE_VERSION = '3.2.1'
SITE_LAST_UPDATE = '2026-04-01 14:30:00'
```

site.config.php

ROLLBACK PROCEDURE

```
git checkout <previous-hash>
mysql < backup.sql + cp backup/config/
```

MIGRATION RISK ASSESSMENT



BEST PRACTICES



PmaControl — Commercial Branch Maintenance

PmaControl Git

PmaControl .deb .rpm Git Composer

```
git clone -b commercial https://github.com/pmacontrol/pmacontrol.git /srv/www/pmacontrol
cd /srv/www/pmacontrol
composer install --no-dev
./install.sh
```

PmaControl

```
// configuration/site.config.php
define('SITE_VERSION', '3.2.1');
define('SITE_LAST_UPDATE', '2026-04-01 14:30:00');
```

```
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. 更新代码

```
git pull origin commercial
```

```
git pull origin commercial --rebase
```

3. 安装依赖

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

```
composer install --update composer.lock --no-dev
```

```
ls -la
```

```
# 检查 composer.lock 文件
echo $?

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

4. 比较配置

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

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

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

```
# 检查 config_sample 目录
for f in config_sample/*; do
    base=$(basename "$f")
    if [ ! -f "configuration/$base" ]; then
        echo "$f: $base - 不存在"
    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. 配置

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

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

配置完成

4. Web 访问

配置 PmaControl 访问

- 配置
- 配置
- 配置
- 配置
- 配置
- 配置
- Dot3 配置

5. 测试

配置 5 测试

```
# agent 配置
./glial agent check_daemon

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



```
-- 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	从 MariaDB 10.0+ 开始
ADD INDEX	是	检查
MODIFY COLUMN	否	检查
DROP COLUMN	否	从 MariaDB 10.4+ 开始
ADD PARTITION	否	检查
检查	否	检查

检查 value_general_int 检查 GB INDEX 检查

检查

安装.sh 检查 GB 检查 ALTER TABLE 检查

检查

1. 检查

检查

1. `git pull -> composer install -> install.sh ->`
2. `24 -`
3. `:`

5-10 MariaDB / MySQL

2.

5

-
-
-

3.

`PmaControl - 4 09:00-10:00`

`PmaControl 3.2.1 3.3.0`

`30`

-
-
- Telegram

`dba@company.com`

4. Dot3 +

5.

```
2026-04-13 09:15 | 3.2.1 -> 3.3.0 | fe0911d -> a1b2c3d | 
2026-03-15 10:00 | 3.1.0 -> 3.2.1 | 1234abc -> fe0911d | - ts_value 45
2026-02-01 08:30 | 3.0.5 -> 3.1.0 | 9876def -> 1234abc | - Listener bug #342
```

6.

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"

```
PHP Fatal error: Class 'Xyz' not found
```

```
composer install
```

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

