

1.2.8 to 1.3.0 - Upgrade

Upgrading the Server

Introduction

Upgrade Video link : <https://www.youtube.com/watch?v=NZE2pi6WxWM>

There are 3 main changes between version 1.2.X and 1.3.x:

1. **Go-based Agent Binary:** The introduction of a binary based on Go for the agent, replacing the previous bash scripts. This binary executes much faster and is compatible across different architectures when compiled.
2. **Redis and BullMQ Integration:** The introduction of Redis as a back-end database server and BullMQ as the queue manager for tasks and automation management.
3. **Nginx Configuration:** The addition of an nginx block for the presentation of the /bullboard URL.

Let's go through the two types of upgrades:

Docker Upgrade

This is quite simple as we just need to add the following in the container configuration for Redis:

1. Add the Redis service
2. Add the Redis configuration in the backend environment
3. Add a new redis_data volume

Important: Ensure you change the Redis password and update it in all three areas where "**your-redis-password-here**" is specified. This password should be secure but some **alphanumeric** characters can cause issues.

Docker Compose Ammendments

```
name: patchmon
```

```
services:
```

```
redis:
  image: redis:7-alpine
  restart: unless-stopped
  command: redis-server --requirepass your-redis-password-here # CHANGE THIS TO YOUR REDIS
PASSWORD
  volumes:
    - redis_data:/data
  healthcheck:
    test: ["CMD", "redis-cli", "--no-auth-warning", "-a", "your-redis-password-here",
"ping"] # CHANGE THIS TO YOUR REDIS PASSWORD
    interval: 3s
    timeout: 5s
    retries: 7

backend:
  environment:
    # Redis Configuration
    REDIS_HOST: redis
    REDIS_PORT: 6379
    REDIS_PASSWORD: your-redis-password-here # CHANGE THIS TO YOUR REDIS PASSWORD
    REDIS_DB: 0
    # ... other environment variables

volumes:
  redis_data:
```

Migration issues

If you get a migration issue like this:

```
backend-1 | Error: P3009
backend-1 |
backend-1 | migrate found failed migrations in the target database, new migrations will not
be applied. Read more about how to resolve migration issues in a production database:
https://pris.ly/d/migrate-resolve
backend-1 | The 20251005000000_add_user_sessions migration started at 2025-10-21
22:50:32.244874 UTC failed
backend-1 |
backend-1 |
dependency failed to start: container patchmon-backend-1 is unhealthy
```

Then you need to apply the following commands from the directory where the docker-compose.yml file is:

Depending on your docker environment and version it may be as `docker compose run`

```
docker-compose run --rm backend npx prisma migrate resolve --rolled-back  
20251005000000_add_user_sessions
```

```
docker-compose run --rm backend npx prisma migrate resolve --applied  
20251005000000_add_user_sessions
```

Bare Metal / VM Upgrade

Instructions for bare metal and VM upgrades will be detailed in the following sections... soon... Still building the script to handle the update ...

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