

Magento 2 – PostDeploy Permissions & Cache Checklist

MageSpark • Quick, reliable steps to normalize permissions, clear caches, and verify your deployment.

1) Prechecks

- 1 SSH into the application server and cd to your Magento root.
- 2 Confirm the web user & group (e.g., www-data:www-data, nginx:nginx, apache:apache).
- 3 Enable maintenance mode during deploy on production.

Commands

```
cd /var/www/html/magento
bin/magento maintenance:enable
id
ps aux | egrep 'nginx|apache'
```

2) Ownership & Permissions

Set correct ownership and normalize directory/file permissions. Avoid 777; use group write (775/664) only for writable directories/files.

```
sudo chown -R : .
find . -type d -exec chmod 755 {} \;
find . -type f -exec chmod 644 {} \;
chmod u+x bin/magento
# Writable paths (if group write is required)
sudo find var generated pub/static pub/media -type d -exec chmod 775 {} \;
sudo find var generated pub/static pub/media -type f -exec chmod 664 {} \;
```

3) Web Server Settings (Nginx/Apache)

- 1 Production best practice: set document root to pub/.
- 2 Include index.php in index directive (Nginx) or DirectoryIndex (Apache).
- 3 Test and reload the web server configuration.

```
# Nginx
sudo nginx -t && sudo systemctl reload nginx
# Apache
sudo apachectl configtest && sudo systemctl reload apache2
```

4) Postdeploy tasks

- 1 Compile DI and deploy static content (as needed).
- 2 Flush caches and warm critical pages.

3 Disable maintenance mode.

```
bin/magento setup:di:compile
bin/magento setup:static-content:deploy -f
bin/magento cache:flush
bin/magento maintenance:disable
```

5) Verify & Logs

- 1 Open storefront and admin to confirm no 403/404 errors.
- 2 Tail web server logs to confirm there are no permission denials.

```
# Nginx
sudo tail -n 200 /var/log/nginx/error.log
# Apache
sudo tail -n 200 /var/log/apache2/error.log
```

Tip: Automate these steps in your CI/CD pipeline after each deploy.

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