



Upgrading from PHP 7 to PHP 8



From:

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2024/03/18 21:07



Upgrading from PHP 7 to PHP 8

Prerequisites

- Open a terminal window with the root user and enter the following command:

```
php --version
```

You will get an answer similar to the following:

```
PHP 7.4.29 (cli) (built: Apr 12 2022 10:55:38) ( NTS )  
Copyright (c) The PHP Group  
Zend Engine v3.4.0, Copyright (c) Zend Technologies
```

- Perform a data backup procedure. See “[Backup and Restore Procedures](#)” for details.

Rocky Linux 8/AlmaLinux 8/RHEL 8

Updating to PHP 8.0

- Configure the repositories:

```
dnf module reset php -y  
dnf -y module enable php:remi-8.0
```

- Install PHP:

```
dnf install -y \  
php php-mcrypt php-cli php-gd \  
php-curl php-session php-mysqlnd \  
php-ldap php-zip php-zlib php-fileinfo \  
php-gettext php-snmp php-mbstring \  
php-pecl-zip php-xmldrpc \  
php-xml php-yaml
```

- Restart php-fpm `systemctl restart php-fpm`.
- Verify the version installed: `php -v`.

Updating to PHP 8.2

```
dnf module reset php -y  
dnf -y module enable php:remi-8.2
```

```
dnf install -y \  
php php-mcrypt php-cli php-gd \  
php-curl php-session php-mysqlnd \  
php-xml php-yaml
```

```
php-ldap php-zip php-zlib php-fileinfo \
php-gettext php-snmp php-mbstring \
php-pecl-zip php-xmllrpc \
php-xml php-yaml

systemctl restart php-fpm
```

Ubuntu server 22.04

```
dpkg -l | grep php | tee packages.txt
# Remove old PHP
# When upgrading from older PHP version:
a2disconf php8.1-fpm 2> /dev/null
a2disconf php8.0-fpm 2> /dev/null
dpkg -l | grep php | awk '{print $2}' | xargs apt -y purge

## Define new php
export DEBIAN_FRONTEND=noninteractive
export NEEDRESTART_SUSPEND=1
export PHPVER="8.2"
add-apt-repository ppa:ondrej/php
apt update
apt install -y php$PHPVER php$PHPVER-fpm php$PHPVER-common \
php$PHPVER-cli libapache2-mod-fcgid apache2 \
php$PHPVER-bz2 php$PHPVER-mbstring php$PHPVER-intl
php$PHPVER-mcrypt \
php$PHPVER-gd php$PHPVER-curl php$PHPVER-mysql php$PHPVER-
ldap \
php$PHPVER-fileinfo php$PHPVER-gettext php$PHPVER-snmp
php$PHPVER-mbstring \
php$PHPVER-zip php$PHPVER-xmllrpc php$PHPVER-xml php$PHPVER-
yaml

a2enmod proxy_fcgi setenvif
a2enconf php$PHPVER-fpm

## Prepare php config
rm -f /etc/php.ini
ln -s /etc/php/$PHPVER/fpm/php.ini /etc/
sed --follow-symlinks -i -e "s/^max_input_time.*/max_input_time = -1/g"
/etc/php.ini
sed --follow-symlinks -i -e "s/^max_execution_time.*/max_execution_time = 0/g"
/etc/php.ini
sed --follow-symlinks -i -e "s/^upload_max_filesize.*/upload_max_filesize =
800M/g" /etc/php.ini
sed --follow-symlinks -i -e "s/^memory_limit.*/memory_limit = 800M/g"
/etc/php.ini
sed --follow-symlinks -i -e "s/.*post_max_size =.*/post_max_size = 800M/"
/etc/php.ini
```

```
sed --follow-symlinks -i -e "s/^disable_functions/;disable_functions/"  
/etc/php.ini
```

```
systemctl enable php$PHPVER-fpm --now  
systemctl restart php$PHPVER-fpm  
systemctl restart apache2
```

CentOS 7

The end-of-life of the CentOS 7 operating system is June 2024.

Upgrading CentOS 7 to PHP 8.0

- Configure the repositories:

```
yum -y install  
https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm  
yum -y install https://rpms.remirepo.net/enterprise/remi-release-7.rpm  
yum -y install yum-utils  
yum-config-manager --disable 'remi-php*'  
yum-config-manager --enable remi-php80
```

- Install PHP 8 and its dependencies:

```
yum install -y \  
php-mcrypt php-cli php-gd php-curl php-session \  
php-mysqlnd php-ldap php-zip php-zlib php-fileinfo \  
php-gettext php-snmp php-mbstring php-pecl-zip \  
php-xmlrpc php-xml php-yaml mod_php
```

- Restart the web server: `systemctl restart httpd`.
- Verify the version installed with: `php -v`.

Upgrading CentOS 7 to PHP 8.2

- Configure the repositories:

```
yum -y install  
https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm  
yum -y install https://rpms.remirepo.net/enterprise/remi-release-7.rpm  
yum -y install yum-utils  
yum-config-manager --disable 'remi-php*'  
yum-config-manager --enable remi-php82
```

- Install PHP 8 and its dependencies:

```
yum install -y \  

```

```
php-mcrypt php-cli php-gd php-curl php-session \  
php-mysqlnd php-ldap php-zip php-zlib php-fileinfo \  
php-gettext php-snmp php-mbstring php-pecl-zip \  
php-xmlrpc php-xml php-yaml mod_php
```

- Restart the web server: `systemctl restart httpd`.
- Verify the version installed with: `php -v`.

RHEL 7

To upgrade to PHP 8 in RHEL 7 [contact Pandora FMS support department](#).

[Go back to Pandora FMS documentation index](#)