How To Install PHP 7.4 on Debian 10 / Debian 9

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How can I install PHP 7.4 on Debian 10 (Buster) / Debian 9 (Stretch)?. PHP is the most widely used server-side scripting language in creation of dynamic web pages. PHP applications usually work well with HTML and interact with relation database management systems. With each release of PHP, there are plethora of new features.

This installation of PHP 7.4 on Debian 10 / Debian 9 is available for production use. The GA release was made public on November 28, 2019. It is not recommended to run beta release in Production. It should be used for testing new features in PHP 7.4 and preparation for deprecated features.

Install PHP 7.4 on Debian 10 / Debian 9

Follow the steps covered below to install PHP 7.4 on Debian 10 & Debian 9 Linux distribution. The latest builds of PHP for Debian are available on SURY PHP PPA repository. We'll add the repository as prerequisite then install PHP 7.4 on Debian 10 / Debian 9 from it.

Step 1: Update system
Ensure your system is updated:

```
apt update
apt upgrade -y
```

Step 2: Add SURY PHP PPA repository
Download and store PPA repository in a file on your Debian Server/ Desktop. But first, download GPG key.

```
apt -y install lsb-release apt-transport-https ca-certificates
wget -O /etc/apt/trusted.gpg.d/php.gpg https://packages.sury.org/php/apt.gpg
```

Then add repository.

```
echo "deb https://packages.sury.org/php/ $(lsb_release -sc) main"
| sudo tee /etc/apt/sources.list.d/php.list
```

Step 3: Install PHP 7.4 on Debian 10 / Debian 9

The last step is to Install PHP 7.4 on Debian 10 / Debian 9. Before installation, update system package list on added repositories.

```
apt update && apt upgrade -y
```

Then install PHP 7.4 on Debian 10 / Debian 9:

```
apt -y install php7.4
```

Use the next command to install additional packages:

```
sudo apt-get install php7.4-xxx
```

Example:

```
sudo apt-get install php7.4-
{bcmath,bz2,intl,gd,mbstring,mysql,zip}
```

PHP configurations related to Apache is stored in **/etc/php/7.4/ apache2/php.ini**