

How to install ioncube on jump server?

7 admin January 31, 2024 [Installation](#) 43542

How to install ioncube on jumpserver or bastion host?

You would need root access to the server

1. Download the latest ioncube version from the site

<https://www.ioncube.com/loaders.php>

You would need to identify your system architecture whether its 32 or 64 bit.

The following command would help you with it.

```
[root@gateway~]# file /bin/ping

/bin/ping:  setuid  ELF 64-bit LSB shared object, AMD x86-64,
version 1 (SYSV), for GNU/Linux 2.6.9, stripped
```

As you can see, its 64 bit architecture.

Download the ioncube package for 64 bit and untar it /usr/local/ioncube

```
wget https://downloads.ioncube.com/loader_downloads/ioncube_loaders_lin_x86-64.tar.gz

tar -zxf ioncube_loaders_lin_x86-64.tar.gz && mv ioncube /usr/local
```

2. Identify the php version you are running

```
[ root@gateway ~]# php -v  
  
PHP 5.3.3 (cli) (built: Aug 6 2014 11:41:05)
```

3. Edit the php configuration file & Add corresponding ioncube loader

Load the Iocube version corresponding to your PHP version only.

For example, If you have **PHP Version 5.5** , The ioncube loader should be *ioncube_loader_lin_5.5.so*

For Centos 7

```
php.ini
```

```
/usr/local/ioncube/
```

Centos 7 Nginx

```
[root@centos7]# vi /etc/php.ini
```

```
zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.3.so
```

```
[root@centos7]# systemctl restart nginx
```

For Centos 8

```
[root@centos8]# vi /etc/php.ini
```

```
zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.2.so
```

```
[root@centos8]# systemctl restart httpd
```

For RHEL 8

```
[root@centos8]# vi /etc/php.ini
```

```
zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.2.so
```

```
[root@centos8]# systemctl restart httpd
```

For Ubuntu 16

```
root@gateway
```

For Ubuntu 18

```
root@gateway :~# vi /etc/php/7.2/cli/php.ini
```

```
zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.2.so
```

```
root@gateway:~# vi /etc/php/7.2/apache2/php.ini
```

```
zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.2.so
```

```
root@gateway:~# apachectl restart
```

For Ubuntu 20

```
root@gateway:~# vi /etc/php/7.4/cli/php.ini
```

```
zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.4.so
```

```
root@gateway:~# vi /etc/php/7.4/apache2/php.ini
```

```
zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.4.so
```

```
root@gateway:~# apachectl restart
```

For Ubuntu 22

```
root@gateway :~# vi /etc/php/8.1/cli/php.ini

zend_extension = /usr/local/ioncube/ioncube_loader_lin_8.1.so

root@gateway:~# vi /etc/php/8.1/apache2/php.ini

zend_extension = /usr/local/ioncube/ioncube_loader_lin_8.1.so

root@gateway:~# apachectl restart
```

For Debian 9

```
root@gateway :~# vi /etc/php/7.0/cli/php.ini

zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.0.so
```

```
root@gateway:~# vi /etc/php/7.0/apache2/php.ini

zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.0.so

root@gateway:~# apachectl restart
```

For Debian 10/12

For SUSE LINUX 15

```
root@gateway :~# vi /etc/php7/cli/php.ini

zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.4.so


root@gateway:~# vi /etc/php7/apache2/php.ini

zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.4.so


root@gateway:~# apachectl restart
```

For Nginx on Debain9

```
root@gateway :~# vi /etc/php/7.0/cli/php.ini

zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.0.so


root@gateway:~# vi /etc/php/7.0/fpm/php.ini

zend_extension = /usr/local/ioncube/ioncube_loader_lin_7.0.so


root@gateway:~#

root@gateway:~#
```


Check the PHP version again to see whether ioncube has been loaded properly.

```
[ root@gateway ~]# php -v

PHP 5.3.3 (cli) (built: Aug 6 2014 11:41:05)

Copyright (c) 1997-2010 The PHP Group

Zend Engine v2.3.0, Copyright (c) 1998-2010 Zend
Technologies

with the ionCube PHP Loader v4.4.0, Copyright (c)
2002-2013, by ionCube Ltd.
```

4. Ensure that ioncube decoders are loaded by viewing the php configuration page.

Open the phpinfo page and it would show the ioncube version that has been loaded. As you can see ionCube version 10.2.0 has been loaded.

Registered Stream Filters	zlib.*, bzip2.*, convert.iconv.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechunk, mcrypt.*, mdecrypt.*
----------------------------------	---

This program makes use of the Zend Scripting Language Engine:
Zend Engine v2.4.0, Copyright (c) 1998-2013 Zend Technologies

Powered By



with the ionCube PHP Loader (enabled) + Intrusion Protection from ioncube24.com (unconfigured) v10.2.0, Copyright (c) 2002-2018, by ionCube Ltd.



Setup your SSH jump server in 30 minutes

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Online URL: <https://www.ezeelogin.com/kb/article/how-to-install-ioncube-on-jump-server-7.html>