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Red Hat / CentOS Linux Install Suhosin PHP 5 Protection Security Patch

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Q. Wordpress and many other open source application developers asks users to protect PHP apps using Suhosin patch to get protection from the full exploit. Suhosin is an advanced protection system for PHP installations. It was designed to protect your servers from various attacks. How do I install Suhosin under RHEL / CentOS / Fedora Linux?



[1]

A. Suhosin was designed to protect your servers against a number of well known problems in PHP applications and on the other hand against potential unknown vulnerabilities within these applications or the PHP core itself including wordpress and many other open source php based apps.



[2]

Install Suhosin as extension

Download latest version of Suhosin, enter:

```
# cd /opt
# wget http://download.suhosin.org/suhosin-0.9.27.tgz
```

Make sure you have php-devel installed:

```
# yum install php-devel
```

Compile Suhosin under PHP 5 and RHEL / CentOS Linux

Type the following commands:

```
# cd suhosin-0.9.27
# phpize
# ./configure
# make
# make install
```

Configure Suhosin

Type the following command to create Suhosin configuration file:

```
# echo 'extension=suhosin.so' > /etc/php.d/suhosin.ini
```

Restart web server

Type the following command to restart httpd:

```
# service httpd restart
```

If you are using lighttpd, enter:

```
# service lighttpd restart
```

Verify Suhosin installation

Type the following command:

```
$ php -v
```

Sample output:

```
PHP 5.1.6 (cli) (built: Jun 12 2008 05:02:36)
```

Copyright (c) 1997-2006 The PHP Group
 Zend Engine v2.1.0, Copyright (c) 1998-2006 Zend Technologies
 with XCache v1.2.2, Copyright (c) 2005-2007, by mOo
 with **Suhosin v0.9.27**, Copyright (c) 2007, by SektionEins GmbH

You can find more information by running `phpinfo()`:

```
<?php
phpinfo [3] ();
?>
```

Sample output:

suhosin		
This server is protected with the Suhosin Extension 0.9.27		
Copyright (c) 2006-2007 Hardened-PHP Project Copyright (c) 2007-2008 SektionEins GmbH		
Directive	Local Value	Master Value
suhosin.apc_bug_workaround	Off	Off
suhosin.cookie.checkraddr	0	0
suhosin.cookie.cryptdocroot	On	On
suhosin.cookie.cryptkey	[protected]	[protected]
suhosin.cookie.cryptlist	no value	no value
suhosin.cookie.cryptraddr	0	0
suhosin.cookie.cryptua	On	On
suhosin.cookie.disallow_nul	1	1
suhosin.cookie.disallow_ws	1	1
suhosin.cookie.encrypt	Off	Off
suhosin.cookie.max_array_depth	50	50
suhosin.cookie.max_array_index_length	64	64
suhosin.cookie.max_name_length	64	64
suhosin.cookie.max_totalname_length	256	256
suhosin.cookie.max_value_length	10000	10000
suhosin.cookie.max_vars	100	100
suhosin.cookie.plainlist	no value	no value
suhosin.coredump	Off	Off
suhosin.disable.display_errors	Off	Off
suhosin.executor.allow_symlink	Off	Off
suhosin.executor.disable_emodifier	Off	Off
suhosin.executor.disable_eval	Off	Off
suhosin.executor.eval.blacklist	no value	no value

[4]

Fig.01: Suhosin information and settings displayed by `phpinfo()`.

Further readings:

- [Suhosin project](#) ^[5] home page.
- [Php project](#) ^[6] home page.

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[1] Image: <http://www.cyberciti.biz/faq/category/php/>

[2] Image: <http://www.cyberciti.biz/faq/category/redhat-and-friends/>

[3] [phpinfo](http://www.php.net/phpinfo): <http://www.php.net/phpinfo>

[4] Image: <http://www.cyberciti.biz/faq/wp-content/uploads/2008/09/suhosin-php-security.png>

[5] Suhosin project: <http://www.hardened-php.net/>

[6] Php project: <http://php.net/>

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