

Apache, LINUX, WINDOWS .

:http://xok.la/2009/02/linux_apache_php_set.html

ISP, apache php .
 ,
 Apache Virtualhost PHP . Virtualhost
 php_value,php_admin_value php_admin_flag ,
 .

Apache :

php_admin_value name 1|0|string (value)
php_admin_flag name on|off (flag on off, Apache2.20)

: , ,
 .

, ernest register_globals , upload_max_filesize
5M, safe_mode , VirtualHost :

php_value upload_max_filesize 5M
php_value register_globals 1

php_value safe_mode 0
php_flag safe_mode Off

php_admin_value safe_mode 0 #(for Apache2.20)
php_admin_flag safe_mode Off #(for Apache2.20)

php.ini, , apache,
phpinfo Local Value Master Value.

: php.ini,
"register_globals 1", php.ini "register_globals On".

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(1) safe_mode: PHP;

php.ini ():

safe_mode = On ()
safe_mode = Off ()

PHP (shared-server) .
 , PHP , WEB
 , , ISP ,
 PHP,
 , .

: <http://hk2.php.net/features.safe-mode>

Apache httpd.conf VirtualHost ():

php_admin_flag safe_mode On ()
php_admin_flag safe_mode Off ()
php_admin_value safe_mode 1 ()
php_admin_value safe_mode 0 ()

: safe_mode,
 safe_mode, safe_mode
 safe_mode,
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(3) open_basedir: ;

php.ini :

; open_basedir, if set, limits all file operations to the defined directory
; and below. This directive makes most sense if used in a per-directory or
; per-virtualhost web server configuration file. This directive is
; *NOT* affected by whether Safe Mode is turned On or Off.
open_basedir = .

open_basedir
".". open_basedir, .
: "open_basedir = /dir/user", "dir/user" "dir/user1"
. . :
"open_basedir = /dir/user/"

open_basedir, Windows, .
. Apache open_basedir .

Apache :

(a) Apache httpd.conf Directory :

```
php_admin_value open_basedir /usr/local/apache/htdocs/  
# :  
php_admin_value open_basedir /usr/local/apache/htdocs:/tmp/
```

(b) Apache httpd.conf VirtualHost :

```
php_admin_value open_basedir /usr/local/apache/htdocs/  
# :
```

php_admin_value open_basedir /var/www/html/:/var/tmp/

(c) VirtualHost open_basedir, php.ini
open_basedir, VirtualHost
. php.ini open_basedir = ./tmp/,
(PHP) /tmp/.

: php.ini /tmp/, open_basedir
/tmp/, php "open_basedir restriction in effect"
, move_uploaded_file() /tmp/,
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(4) disable_functions: ();

(), :
disable_functions = shell_exec,system,exec,passthru,show_source,get_cfg_var

disable_functions, ,
php.ini, httpd.conf.

php-4.0.1 php.ini, ,
, : passthru,exec,system,popen . php.ini
disable_functions = passthru,exec,system,popen , PHP
: Warning: system() has been disabled for security reasons

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PHP perl, shell_exec
, ("") script, .

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, `cat /etc/passwd`
ISP, PHP (PHP
,)
Linux PHP “script
PHP.INI: disable_functions = shell_exec,system,exec
PHP.

:

disable_functions = shell_exec,system,exec,passthru,show_source,get_cfg_var

:

disable_functions = shell_exec,system,exec,passthru

PHP:

unlink,mkdir,touch,fgets,popen,proc_open,link,symlink,phpinfo
: .

: disable_functions php.ini, httpd.conf
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5) register_globals: ;

register_globals = On ()
register_globals = Off ()

, HTML HTTP, GET, POST COOKIE (GPC)
. PHP php.ini

register_globals

register_globals, On, PHP Off, PHP

PHP4.3.0, register_globals Off, register_globals

register_globals = Off, PHP

URL

PHP session cookie, register_globals, PHP session cookie(\$_SESSION[\$_COOKIE]). session_register(), PHP Session handling functions).

register_globals, \$_GET, \$_POST, \$_COOKIE, GET, POST, COOKIE, PHP, PHP, COOKIE, URL.

PHP, : , register_globals

PHP4.2.0, PHP register_globals off, PHP superglobals.

Apache httpd.conf VirtualHost :

php_admin_flag register_globals on

php_admin_value register_globals 1

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6) magic_quotes_gpc:

magic_quotes_gpc = On

magic_quotes_gpc = Off

magic_quotes_gpc php , ON, ,
GET,POST,COOKIE (), NULL
SQL, XSS
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php.ini magic_quotes_gpc (On) ,
GET,POST,COOKIE addslashes(). magic_quotes_gpc
, PHP (), ,
(') , SQL.
SQL, ,
, , ,
LINUX.

: PHP , addslashes()
, stripslashes(). ,
. PHP MySQL ,
: mysql_real_escape_string();
。

Apache httpd.conf VirtualHost :

php_admin_flag magic_quotes_gpc on

php_admin_value magic_quotes_gpc 1

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7) allow_url_fopen allow_url_include:

allow_url_fopen = On (URL,)
allow_url_fopen = Off (URL)
allow_url_include = Off (URL, ,)
allow_url_include = On (URL,)

allow_url_fopen URL fopen, PHP URL
(). ftp http,
zlib. allow_url_include PHP,
fopen include, PHP5.20.

, PHP, ,
(Include)URL, PHP,
(Remote URL Include vulnerabilities),
php.ini.

PHP PHP6 allow_url_include, PHP5.20
. allow_url_include (Include),
fopen, include.
PHP allow_url_fopen, allow_url_include.

, PHP allow_url_fopen allow_url_include,
, URL,
http(s) ftp(s), PHP5.2.0
php data, :

LINUX, IPTABLES


```
error_log = /var/log/php_error.log
filename="/var/log/php_error.log", PHP
?。
```

Apache httpd.conf VirtualHost :

```
php_admin_flag display_errors Off
php_admin_value display_errors 0
```

```
, VirtualHost :
ErrorLog logs/mydomain.com-error_log
```

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PHP :
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```

php.ini :

```
safe_mode = On
allow_url_fopen = Off
allow_url_include = Off
register_globals = Off
magic_quotes_gpc = On
display_errors = Off
```

```
disable_functions = shell_exec,system,exec,passthru,show_source,get_cfg_var
# , :
disable_functions = shell_exec,system,exec,passthru
```

open_basedir = .

VirtualHost:

```
ServerAdmin [email]webmaster@mydomain[/email]
DocumentRoot /home/hosting/mydomain/public_html
ServerName mydomain.com
ServerAlias www.mydomain.com
php_admin_value safe_mode 1
php_admin_value allow_url_fopen 0
php_admin_value allow_url_include 0
php_admin_value register_globals 1
php_admin_value magic_quotes_gpc 1
php_admin_value display_errors 0
php_admin_value open_basedir /home/hosting/mydomain/
ErrorLog logs/mydomain.com-error_log
CustomLog logs/mydomain.com-access_log common
```

#:

```
ServerAdmin [email]webmaster@mydomain[/email]
DocumentRoot /home/hosting/hung25ucom/public_html
ServerName mydomain.com
ServerAlias www.mydomain.com
php_admin_flag safe_mode On
php_admin_flag allow_url_fopen Off
php_admin_flag allow_url_include Off
php_admin_flag register_globals On
php_admin_flag magic_quotes_gpc On
php_admin_flag display_errors Off
php_admin_value open_basedir /home/hosting/mydomain/
ErrorLog logs/mydomain.com-error_log
CustomLog logs/mydomain.com-access_log common
```

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