

??

ISPConfig 3 is available for download. This release is a major update and introduces new functions like:

- Virtual server management module
- Full support for Nginx webserver
- Mailman mailinglist management
- IPv6 support
- FAQ section in Help module
- Website folder protection
- Assign IP addresses to clients
- SNI support for Apache/nginx SSL certificate
- New remote-API documentation and example scripts for all functions
- Added support for key based SSH logins

?????

- <http://www.ispconfig.org/>
- <http://www.howtoforge.com/forums/for...splay.php?f=23>
- <http://docs.ispconfig.org/> (???????????)

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- [ISPConfig3 ??](#)
- [Q & A](#)
- [?? Zend Optimizer](#)

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- [Ubuntu 13 ?? ISPConfig3](#)

### Install on CentOS 5

(<http://www.howtoforge.com/perfect-se...64-ispconfig-3>)

?????????<http://www.ispconfig.org/ispconfig-3/documentation/>

????

- CentOS 5.7
- ISPConfig 3.0.4.1

### CentOS 5 ????

?????

- Applications -> Editors, Text-based Internet
- Development -> Development Libraries, Development Tools
- Servers -> DNS Name Server, FTP Server, Mail Server, MySQL Database, Server Configuration Tools, Web Server
- Base System -> Administration Tools, Base, System Tools

?????? SELinux

???????

?? /etc/hosts

```
127.0.0.1      localhost.localdomain localhost
192.168.0.100 server1.example.com server1
```

?????? SELinux

system-config-securitylevel

?????

rpm --import /etc/pki/rpm-gpg/RPM-GPG-KEY\*

?? /etc/yum.repos.d/CentOS-Base.repo

[base]

[...]

exclude=postfix

[...]

[updates]

[...]

exclude=postfix

[...]

[centosplus]

[...]

enabled=1

includepkgs=postfix

[...]

[contrib]

[...]

enabled=1

[...]

??????

yum update

yum groupinstall 'Development Tools'



```

# requires stable
#
[atrpms-testing]
name=Red Hat Enterprise Linux 5 - $basearch - ATrpms testing
baseurl=http://dl.atrpms.net/el5-$basearch/atrpms/testing
failovermethod=priority
enabled=1
exclude=dovecot-2*
includepkgs=dovecot dovecot-sieve

#
# requires stable and testing
#
[atrpms-bleeding]
name=Red Hat Enterprise Linux 5 - $basearch - ATrpms bleeding
baseurl=http://dl.atrpms.net/el5-$basearch/atrpms/bleeding
failovermethod=priority
enabled=0

wget http://ATrpms.net/RPM-GPG-KEY.atrpms
rpm --import RPM-GPG-KEY.atrpms

?? Dovecot

yum install dovecot dovecot-sieve

??????

chkconfig --levels 235 dovecot on
/etc/init.d/dovecot start

???????
Fatal: listen(:, 143) failed: Address family not supported by protocol

?? /etc/dovecot.conf?

[...]
#listen = *, [::]
listen = * <== ???
[...]

????????

?? postfix ?? MySQL
??? postfix ??? MySQL??? CentOS Plus ??????????????????????

yum remove postfix
yum install postfix

```

?? sendmail ??? postfix, MySQL ????

```
chkconfig --levels 235 mysqld on
/etc/init.d/mysqld start
```

```
chkconfig sendmail off
chkconfig --levels 235 postfix on
/etc/init.d/sendmail stop
/etc/init.d/postfix start
```

?? **Getmail**

```
yum install getmail
```

?? **MySQL ??????????phpmyadmin**

?? mysql ????

mysql\_secure\_installation

Enter current password for root (enter for none): ? Enter

Change the root password? [Y/n] Y

New password: ????

Re-enter new password: ????

Remove anonymous users? [Y/n] ? Enter

Disallow root login remotely? [Y/n] ? Enter

Remove test database and access to it? [Y/n] ? Enter

Reload privilege tables now? [Y/n] ? Enter

?? phpmyadmin

```
?? /etc/httpd/conf.d/phpmyadmin.conf?(?? <Directory>.....</Directory>)
```

#

# Web application to manage MySQL

#

```
#<Directory "/usr/share/phpmyadmin">
```

```
# Order Deny,Allow
```

```
# Deny from all
```

```
# Allow from 127.0.0.1
```

```
#</Directory>
```

```
Alias /phpmyadmin /usr/share/phpmyadmin
```

```
Alias /phpMyAdmin /usr/share/phpmyadmin
```

Alias /mysqladmin /usr/share/phpmyadmin

?? phpmyadmin ?????

?? /usr/share/phpmyadmin/config.inc.php?

[...]

/\* Authentication type \*/

\$cfg['Servers'][\$i]['auth\_type'] = 'http';

[...]

?? Apache ????

chkconfig --levels 235 httpd on

/etc/init.d/httpd start

?????? http://your.ip.address/phpmyadmin/?

?? Amavisd-new, SpamAssassin, ClamAV

yum install amavisd-new spamassassin clamav clamd unzip bzip2 unrar perl-DBD-mysql

?? /etc/sysconfig/amavisd?(???? CONFIG\_FILE="/etc/amavisd.conf")

### Uncomment this if you want to use amavis with sendmail milter interface.

### See README.milter for details.

#

#MILTER\_SOCKET="local:/var/amavis/amavis-milter.sock"

#MILTER\_SOCKET="10024@127.0.0.1"

### These are other defaults.

#AMAVIS\_ACCOUNT="amavis"

CONFIG\_FILE="/etc/amavisd.conf"

#MILTER\_FLAGS=""

??????

sa-update

chkconfig --levels 235 amavisd on

chkconfig --levels 235 clamd on

/usr/bin/freshclam

/etc/init.d/amavisd start

/etc/init.d/clamd start

????????

mkdir /var/run/amavisd /var/spool/amavisd /var/spool/amavisd/tmp /var/spool/amavisd/db

chown amavis /var/run/amavisd /var/spool/amavisd /var/spool/amavisd/tmp /var/spool/amavisd/db

```
ln -s /var/run/clamav/clamd.sock /var/spool/amavisd/clamd.sock
```

```
?? Apache ?? mod_php, mod_fcgi/PHP5, suPHP
```

```
?? mod_fcgid ?????????????????????? centos.karan.org ??????
```

```
?????
```

```
cd /etc/yum.repos.d/
```

```
wget http://centos.karan.org/kbsingh-CentOS-Extras.repo
```

```
?? /etc/yum.repos.d/kbsingh-CentOS-Extras.repo?(? [kbs-CentOS-Testing] ? gpgcheck=0, enabled=1)
```

```
[...]
```

```
# pkgs in the -Testing repo are not gpg signed
```

```
[kbs-CentOS-Testing]
```

```
name=CentOS.Karan.Org-EL$releasever - Testing
```

```
gpgcheck=0
```

```
gpgkey=http://centos.karan.org/RPM-GPG-KEY-karan.org.txt
```

```
enabled=1
```

```
baseurl=http://centos.karan.org/el$releasever/extras/testing/$basearch/RPMS/
```

```
????
```

```
yum install php php-devel php-gd php-imap php-ldap php-mysql php-odbc php-pear php-xml php-xmlrpc
php-eaccelerator php-mbstring php-mcrypt php-mhash php-mssql php-snmp php-soap php-tidy curl
curl-devel perl-libwww-perl ImageMagick libxml2 libxml2-devel mod_fcgid php-cli httpd-devel
```

```
?? /etc/php.ini?(?? error_reporting ? ?????? cgi.fix_pathinfo)
```

```
[...]
```

```
;error_reporting = E_ALL
```

```
error_reporting = E_ALL & ~E_NOTICE
```

```
[...]
```

```
cgi.fix_pathinfo = 1
```

```
???? suPHP
```

```
cd /usr/src
```

```
wget http://suphp.org/download/suphp-0.7.1.tar.gz
```

```
tar xvfz suphp-0.7.1.tar.gz
```

```
cd suphp-0.7.1/
```

```
./configure --prefix=/usr --sysconfdir=/etc --with-apr=/usr/bin/apr-1-config --with-apxs=/usr/sbin/apxs
```

```
--with-apache-user=apache --with-setid-mode=owner --with-php=/usr/bin/php-cgi --with-logfile=/var/
```

```
log/httpd/suphp_log --enable-SUPHP_USE_USERGROUP=yes
```

```
make
```

```
make install
```

```
?? suPHP ????? Apache
?? /etc/httpd/conf.d/suphp.conf?
```

```
LoadModule suphp_module modules/mod_suphp.so
```

```
?? /etc/suphp.conf?
```

```
[global]
;Path to logfile
logfile=/var/log/httpd/suphp.log
;Loglevel
loglevel=info
;User Apache is running as
webserver_user=apache
;Path all scripts have to be in
docroot=/
;Path to chroot() to before executing script
chroot=/mychroot
; Security options
allow_file_group_writeable=true
allow_file_others_writeable=false
allow_directory_group_writeable=true
allow_directory_others_writeable=false
;Check wheter script is within DOCUMENT_ROOT
check_vhost_docroot=true
;Send minor error messages to browser
errors_to_browser=false
;PATH environment variable
env_path=/bin:/usr/bin
;Umask to set, specify in octal notation
umask=0077
; Minimum UID
min_uid=100
; Minimum GID
min_gid=100
```

```
[handlers]
;Handler for php-scripts
x-httpd-suphp="php:/usr/bin/php-cgi"
;Handler for CGI-scripts
x-suphp-cgi="execute:!self"
```

```
?? Apache ??
```

### Ruby

```
? ISPConfig 3 ?????? ruby ?????? CGI/FastCGI?? CentOS 5.7 ?? mod_ruby ??????????????
```

```
yum install httpd-devel ruby ruby-devel
```



???? mod\_ruby

```
cd /usr/src
wget http://modruby.net/archive/mod_ruby-1.3.0.tar.gz
tar zxvf mod_ruby-1.3.0.tar.gz
cd mod_ruby-1.3.0/
./configure.rb --with-apr-includes=/usr/include/apr-1
make
make install
```

???? mod\_ruby ???? Apache  
?? /etc/httpd/conf.d/ruby.conf?

LoadModule ruby\_module modules/mod\_ruby.so

?? Apache ??

### WebDAV

WebDAV ?????????? /etc/httpd/conf/httpd.conf ??????????

```
[...]
LoadModule auth_digest_module modules/mod_auth_digest.so
[...]
LoadModule dav_module modules/mod_dav.so
[...]
LoadModule dav_fs_module modules/mod_dav_fs.so
[...]
```

### ?? PureFTPd

yum install pure-ftpd

??????

```
chkconfig --levels 235 pure-ftpd on
/etc/init.d/pure-ftpd start
```

?? PureFTPd ??? FTP ? TLS ???OpenSSL ? TLS ????

yum install openssl

?? /etc/pure-ftpd/pure-ftpd.conf?(?? TLS ? 1)

```
[...]
# This option can accept three values :
# 0 : disable SSL/TLS encryption layer (default).
```

```
# 1 : accept both traditional and encrypted sessions.
# 2 : refuse connections that don't use SSL/TLS security mechanisms,
#   including anonymous sessions.
# Do _not_ uncomment this blindly. Be sure that :
# 1) Your server has been compiled with SSL/TLS support (--with-tls),
# 2) A valid certificate is in place,
# 3) Only compatible clients will log in.
```

```
TLS          1
[...]
```

?? SSL ??

```
mkdir -p /etc/ssl/private/
openssl req -x509 -nodes -days 7300 -newkey rsa:2048 -keyout /etc/ssl/private/pure-ftpd.pem -out /etc/ssl/private/pure-ftpd.pem
```

Country Name (2 letter code) [GB]: TW

State or Province Name (full name) [Berkshire] ??

Locality Name (eg, city) [Newbury]: ??

Organization Name (eg, company) [My Company Ltd]: ??

Organizational Unit Name (eg, section) []: ??

Common Name (eg, your name or your server's hostname) []: ??????

Email Address []: ? Enter

```
chmod 600 /etc/ssl/private/pure-ftpd.pem
```

?? pure-ftpd ??

?? DNS ??

```
yum install bind-chroot
```

```
chmod 755 /var/named/
```

```
chmod 775 /var/named/chroot/
```

```
chmod 775 /var/named/chroot/var/
```

```
chmod 775 /var/named/chroot/var/named/
```

```
chmod 775 /var/named/chroot/var/run/
```

```
chmod 777 /var/named/chroot/var/run/named/
```

```
cd /var/named/chroot/var/named/
```

```
ln -s ../ ../ chroot
```

```
touch /var/named/chroot/var/named/named.local
```

```
cp /usr/share/doc/bind-9.3.6/sample/var/named/named.root /var/named/chroot/var/named/named.root
```

```
touch /var/named/chroot/etc/named.conf.local
```

?? /var/named/chroot/etc/named.conf?

```
//
// named.conf
//
// Provided by Red Hat bind package to configure the ISC BIND named(8) DNS
// server as a caching only nameserver (as a localhost DNS resolver only).
//
// See /usr/share/doc/bind*/sample/ for example named configuration files.
//
options {
    listen-on port 53 { any; };
    listen-on-v6 port 53 { any; };
    directory "/var/named/chroot/var/named";
    dump-file "/var/named/chroot/var/named/data/cache_dump.db";
    statistics-file "/var/named/chroot/var/named/data/named_stats.txt";
    memstatistics-file "/var/named/chroot/var/named/data/named_mem_stats.txt";
    allow-query { any; };
    recursion yes;
};
logging {
    channel default_debug {
        file "data/named.run";
        severity dynamic;
    };
};
zone "." IN {
    type hint;
    file "named.root";
};
include "/var/named/chroot/var/named/named.local";
```

??????

```
chkconfig --levels 235 named on
/etc/init.d/named start
```

?? **Vlogger, Webalizer, AWstats**

```
yum install webalizer awstats perl-DateTime-Format-HTTP perl-DateTime-Format-Builder
```

```
cd /usr/src
wget http://n0rp.chemlab.org/vlogger/vlogger-1.3.tar.gz
tar xvfz vlogger-1.3.tar.gz
mv vlogger-1.3/vlogger /usr/sbin/
rm -rf vlogger*
```

**?? Jailkit**

Jailkit ?? chroot SSH users (????? ISPConfig ??????)?

```
cd /usr/src
wget http://olivier.sessink.nl/jailkit/jailkit-2.14.tar.gz
tar xvfz jailkit-2.14.tar.gz
cd jailkit-2.14
./configure
make
make install
```

**?? fail2ban**

```
yum install fail2ban
```

```
?? fail2ban
```

```
?? /etc/fail2ban/jail.conf?(?????????)
```

```
...
```

```
ignoreip = 127.0.0.1 192.168.0.0/16
```

```
...
```

```
chkconfig --levels 235 fail2ban on
/etc/init.d/fail2ban start
```

**?? rkhunter**

```
yum install rkhunter
```

**?? SquirrelMail**

```
yum install squirrelmail
```

```
?? Apache ??
```

```
?? SquirrelMail
```

```
/usr/share/squirrelmail/config/conf.pl
```

```
SquirrelMail Configuration : Read: config.php (1.4.0)
```

```
-----
```

```
Main Menu --
```

1. Organization Preferences
2. Server Settings
3. Folder Defaults
4. General Options
5. Themes

- 6. Address Books
- 7. Message of the Day (MOTD)
- 8. Plugins
- 9. Database
- 10. Languages

D. Set pre-defined settings for specific IMAP servers

- C Turn color off
- S Save data
- Q Quit

Command >> ?? D

Please select your IMAP server:

- bincimap = Binc IMAP server
- courier = Courier IMAP server
- cyrus = Cyrus IMAP server
- dovecot = Dovecot Secure IMAP server
- exchange = Microsoft Exchange IMAP server
- hmailserver = hMailServer
- macosx = Mac OS X Mailserver
- mercury32 = Mercury/32
- uw = University of Washington's IMAP server

quit = Do not change anything

Command >> ?? dovecot

```
imap_server_type = dovecot
default_folder_prefix = <none>
trash_folder = Trash
sent_folder = Sent
draft_folder = Drafts
show_prefix_option = false
default_sub_of_inbox = false
show_contain_subfolders_option = false
optional_delimiter = detect
delete_folder = false
```

Press any key to continue... ? Enter

Main Menu --

- 1. Organization Preferences
- 2. Server Settings
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- 5. Themes
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- 8. Plugins
- 9. Database
- 10. Languages

D. Set pre-defined settings for specific IMAP servers

- C Turn color off
- S Save data
- Q Quit

Command >> ?? S

Data saved in config.php  
Press enter to continue... ? Enter

Main Menu --

- 1. Organization Preferences
- 2. Server Settings
- 3. Folder Defaults
- 4. General Options
- 5. Themes
- 6. Address Books
- 7. Message of the Day (MOTD)
- 8. Plugins
- 9. Database
- 10. Languages

D. Set pre-defined settings for specific IMAP servers

- C Turn color off
- S Save data
- Q Quit

Command >> ?? Q

```
?? /etc/squirrelmail/config_local.php?(?? $default_folder_prefix????????????????????Query: CREATE "Sent"
Reason Given: Invalid mailbox name)
```

```
//$default_folder_prefix      = "";
```

```
???? http://your.ip.address/webmail/?
```

## ?? ISPConfig 3

```
cd /usr/src
wget http://prdownloads.sourceforge.net/ispconfig/ISPConfig-3.0.4.1.tar.gz
tar xzf ISPConfig-3-stable.tar.gz
cd ispconfig3_install/install/
php -q install.php
```

Select language (en,de) [en]: ? Enter

Installation mode (standard,expert) [standard]: ? Enter

Full qualified hostname (FQDN) of the server, eg server1.domain.tld [this.is.your.FQDN]: ????????  
FQDN??? Enter????????? FQDN?

MySQL server hostname [localhost]: ? Enter

MySQL root username [root]: ? Enter

MySQL root password []: ?? DB ????

MySQL database to create [dbispconfig]: ? Enter

MySQL charset [utf8]: ? Enter

Generating a 2048 bit RSA private key

.....+++

....+++

writing new private key to 'smtpd.key'

-----

You are about to be asked to enter information that will be incorporated into your certificate request.

What you are about to enter is what is called a Distinguished Name or a DN.

There are quite a few fields but you can leave some blank

For some fields there will be a default value,

If you enter '.', the field will be left blank.

-----

Country Name (2 letter code) [GB]: ?? TW

State or Province Name (full name) [Berkshire]: ?? Planet

Locality Name (eg, city) [Newbury]: ?? Earth

Organization Name (eg, company) [My Company Ltd]: ?? OSSLab

Organizational Unit Name (eg, section) []: ?? ADMIN

Common Name (eg, your name or your server's hostname) []: ?????? FQDN

Email Address []: ? Enter

ISPConfig Port [8080]: ? Enter

Do you want a secure (SSL) connection to the ISPConfig web interface (y,n) [y]: ? Enter

Country Name (2 letter code) [GB]: ??TW

State or Province Name (full name) [Berkshire]: ?? Planet  
 Locality Name (eg, city) [Newbury]: ?? Earth  
 Organization Name (eg, company) [My Company Ltd]: ??OSSLab VPS  
 Organizational Unit Name (eg, section) []:ADMIN  
 Common Name (eg, your name or your server's hostname) []: ?????? FQDN  
 Email Address []: ? Enter

Please enter the following 'extra' attributes  
 to be sent with your certificate request

A challenge password []: ? Enter

An optional company name []: ? Enter

Stopping Dovecot Imap: [ OK ]

If you have trouble with authentication failures,  
 enable auth\_debug setting. See <http://wiki.dovecot.org/WhyDoesItNotWork>  
 This message goes away after the first successful login.

Error: socket() failed: Address family not supported by protocol

Fatal: listen(:, 143) failed: Address family not supported by protocol

Starting Dovecot Imap: [FAILED]

Stopping httpd: [ OK ]

[Sun Nov 27 03:03:54 2011] [warn] NameVirtualHost \*:80 has no VirtualHosts

Starting httpd: [ OK ]

Stopping pure-ftpd: [ OK ]

Starting pure-ftpd: [ OK ]

Installation completed.

???? Dovecot ?????????????? /etc/dovecot.conf?

```
[...]
#listen = *, [::]
listen = *
[...]
```

?? Dovecot ??

???? <https://this.is.your.ip:8080/>??? admin : admin?