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# Install IBSng A1.24 on CentOS 7
# Server OS: CentOS 7

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# Update CentOS:
yum update -y

# Install prerequisites:
yum install httpd php postgresql postgresql-server postgresql-python perl unzip wget nano bzip2
-y

# Download IBsng:
wget https://master.dl.sourceforge.net/project/ibsng/IBSng-A1.24.tar.bz2

# Extract:
tar -xvjf IBSng-A1.24.tar.bz2 -C /usr/local

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# Activate DB:
service postgresql initdb
service postgresql start

nano /var/lib/pgsql/data/pg_hba.conf

# Add this to 1st line:
local  IBSng   ibs   trust

# ----------------------------------------

# Create new DB:

su - postgres
createdb IBSng
createuser ibs
createlang plpgsql IBSng
exit
service postgresql restart

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/./usr/local/IBSng/scripts/setup.py

Select numbers in this sequence:

1 Install
2 Test DB Connection and Continue
2 Compile Configuration and Continue
1 Import Tables and Continue
Enter System password
1 Copy ibs.conf to '/etc/httpd/conf.d'
2 Chown apache directories to 'apache'
5 Continue
1 Copy logrotate Conf to /etc/logrotate.d
3 Continue
1 Copy Redhat init file to /etc/init.d
2 Set IBSng to start on reboot
b Back to main menu
x Exit

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Edit httpd config:
nano /etc/httpd/conf/httpd.conf

Add this to 1st line:

ServerName 127.0.0.1
<Directory "/usr/local/IBSng/interface/IBSng">
    AllowOverride None
    Options None
    Require all granted
</Directory>

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Edit IPy Module:
nano /usr/local/IBSng/core/lib/IPy.py

Add this to 1st line:
#coding:utf-8

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# Edit des_c Module:
nano /usr/local/IBSng/core/lib/mschap/des_c.py

## Add this to 1st line:
#coding:utf-8

# ----------------------------------------

# Edit error.php:
nano /usr/local/IBSng/interface/IBSng/inc/error.php

## Delete last 9 line and replace this code:

$timeArr="IRDT/4.0/DST";
#    $timeStr="{$timeArr["tm_year"]}/{$timeArr["tm_mon"]}/{$timeArr["tm_mday"]}
{$timeArr["tm_hour"]}:{$timeArr["tm_min"]}";
    $phperr=isset($php_errormsg)?$php_errormsg:"";
#    fwrite($fh,"{$timeStr} {$msg} {$phperr}\n");
    return;

}

?>

# ----------------------------------------

# Edit xmlrpcserver Module:
nano /usr/local/IBSng/core/server/xmlrpcserver.py

## Add this to 1st Line:

from xmlrpclib import Marshaller
from decimal import Decimal


def dump_decimal(self,value, write):
    write("<value><double>")
    write(str(value))
    write("</double></value>\n")
```

```
Marshaller.dispatch[Decimal] = dump_decimal


# -----------------------------------------

# Edit admin Module:
nano /usr/local/IBSng/core/admin/admin.py

## Press Ctrl+W and find this:
self.deposit+=deposit_change

### Change and replace with:

self.deposit+=float(deposit_change)


# -----------------------------------------

# Disable SELinux:
nano /etc/selinux/config

SELINUX=disabled


# -----------------------------------------

# Install Firewall and open required ports:

sudo yum install firewalld
sudo systemctl start firewalld
sudo systemctl enable firewalld

sudo firewall-cmd --add-port=22/tcp --permanent
sudo firewall-cmd --add-port=80/tcp --permanent
sudo firewall-cmd --add-port=1812/udp --permanent
sudo firewall-cmd --add-port=1813/udp --permanent
sudo firewall-cmd --reload

## Check firewall config:
sudo firewall-cmd --list-ports


# -----------------------------------------

# Run Services:

chkconfig httpd on
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chkconfig postgresql on
chkconfig IBSng on
service httpd restart
service postgresql restart
setenforce 0
service IBSng start
```

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Browser Access: http://ServerIP/IBSng/admin

Video Link: https://youtu.be/-JCJ97dh9ac

Best regards :)
Ramtin
youtube.com/netadminplus