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- CentOS5.5+Elastix 2.x on Amazon EC2
- CentOS5.5+Elastix 1.6.2 on Amazon EC2

SRPM - http://repo.elastix.org/elastix/1.6/base/SRPMS/
Part 2: Asterisk in a Cloud - http://voxilla.com/2009/02/13/asteri...mazon-ec2-1178
gcc-4.0.2 - http://ftp.gnu.org/gnu/gcc/gcc-4.0.2/

All we need to do is

1. Install an fresh CentOS 5.4 operation system
2. Install all packages(rpm) of Elastix
3. Compile and install dahdi_dummy module

Install an fresh CentOS 5.4 operation system
Please follow this link to complete it
http://zoetrope.speakermouth.com/200...install-script

???2011-7-24

?????? CentOS 5.5 AMI (ami-eb807682: CentOS5.5 i386 10G)

Install all packages(rpm) of Elastix
Download Elastix ISO
http://www.elastix.org/en/downloads/main-distro.html

Prerequisties before intallation starting

cd /mnt
wget http://sourceforge.net/projects/elastix/files/Tools/
Cent2Elastix%20%28CentOS%205.4%20to%20Elastix%201.6%20stable%29/
ElastiXCorE-1.6-i386-22dec2009.iso/download
mkdir ISO/
mount -o loop ElastiXCorE-1.6-i386-22dec2009.iso ISO/

I modified the official install script to be able to complete the installation of all rpms on EC2.

Turn off firewall

service iptables stop
setenforce 0

Install kernel package
?????? ISO ?? kernel-2.6.18-164 ? kernel-xen-2.6.18-164??????????

yum remove kernel

```
yum remove kernel-xen
cd /mnt/ISO
rpm -ivh CentOS/kernel-2.6.18-164.el5.i686.rpm
rpm -ivh CentOS/kernel-xen-2.6.18-164.el5.i686.rpm
vi /etc/yum.repos.d/ElastixCore.repo
```

ElastixCore.repo:

```
[elastix-core]
name=Elastix RPM Repository for CentOS
baseurl=file:///mnt/ISO/Elastix
gpgcheck=0
enabled=1

[epel-elastix]
name=EPEL RPM dependencies for Elastix
baseurl=file:///mnt/ISO/epel
gpgcheck=0
enabled=1
```

Install Elastix Core

```
service yum-updatesd stop
yum clean all
yum groupupdate "Epel Elastix"
yum groupupdate "Elastix Core"
rm -f /etc/yum.repos.d/ElastixCore.repo
```

Clean up and reboot

```
rm -f /etc/yum.repos.d/ElastixCore.repo
umount /mnt/ISO
reboot
```

Compile and install dahdi_dummy module

// Install gcc-4.0.2

```
cd /usr/src
wget http://ftp.gnu.org/gnu/gcc/gcc-4.0.2/gcc-4.0.2.tar.bz2
tar -xjf gcc-4.0.2.tar.bz2
cd gcc-4.0.2
mkdir tmp
cd tmp
../configure --program-suffix=-4.0.2
make
make install
```

The above will take 20+ minutes, so take a break let's enjoy a coffee.

// Install kernel source (xen-3.1.0-src-ec2-v1.0)

```
yum install ncurses-devel
cd /usr/src
wget http://ec2-downloads.s3.amazonaws.com/xen-3.1.0-src-ec2-v1.0.tgz
tar xzvf xen-3.1.0-src-ec2-v1.0.tgz
cd xen-3.1.0-src-ec2-v1.0
make linux-2.6-xenU-config

rm -f /lib/modules/`uname -r`/build
ln -s /usr/src/xen-3.1.0-src-ec2-v1.0/build-linux-2.6.18-xenU_x86_32 \
    /lib/modules/`uname -r`/build
rm -f /lib/modules/`uname -r`/source
ln -s /usr/src/xen-3.1.0-src-ec2-v1.0/linux-2.6.18-xen \
    /lib/modules/`uname -r`/source

cd /usr/src/xen-3.1.0-src-ec2-v1.0
mv linux-2.6.18-xen/Makefile linux-2.6.18-xen/Makefile.orig
sed -e 's_^\(HOSTCC.*=\).*_\1 /usr/local/bin/gcc-4.0.2_' \
  -e 's_^\(CC.*=\).*_\1 /usr/local/bin/gcc-4.0.2_' \
  <linux-2.6.18-xen/Makefile.orig >linux-2.6.18-xen/Makefile

make linux-2.6-xenU-build
make linux-2.6-xenU-install
```

// Install dahdi

```
cd /usr/src/digium
wget http://downloads.digium.com/pub/telephony/dahdi-linux/dahdi-linux-current.tar.gz
tar xzvf dahdi-linux-current.tar.gz
cd dahdi-linux*
make clean
make all
make install
```

// Install dahdi-tools

```
cd /usr/src/digium
wget http://downloads.asterisk.org/pub/telephony/dahdi-tools/dahdi-tools-current.tar.gz
tar xzf dahdi-tools-current.tar.gz
cd dahdi-tools*
./configure
make
make install
make config
```

// ????? dahdi_dummy ??

mv /etc/dahdi/modules /etc/dahdi/modules.orig
echo '# only launch dahdi_dummy' > /etc/dahdi/modules

// ?? dahdi_dummy ??

#> service dahdi restart
#> dahdi_test -v

Opened pseudo dahdi interface, measuring accuracy...

8192 samples in 8198.648 system clock sample intervals (100.081%)
8192 samples in 8205.841 system clock sample intervals (100.169%)
8192 samples in 8182.408 system clock sample intervals (99.883%)
8192 samples in 8190.424 system clock sample intervals (99.981%)
8192 samples in 8190.352 system clock sample intervals (99.980%)

Notes: ??????? 100%

// ? EC2 ? Linux ?????? Public IP

curl -s -S --user-agent "Mozilla/4.0" http://myip.pbxinaflash.com | awk 'NR==2'

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- http://www.scottalanmiller.com/linux...3-on-centos-5/
- http://www.elastix.org/dokuwiki/doku...x_from_centos5