

# Amazon EC2 AMI Creation and Upload

Cloud computing is the future and Amazon's AWS system is leading the charge. Here is a script we've written to help new comers learn how to start a linux instance, modify it for their needs, and save the instance for later use in S3.

```
#!/bin/sh

#
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#

#
# What is this AMI's named?
#
IMAGE_NAME="VTech.General"

#
# Just a little clean up
#
if [ -f /root/.bash_history ]; then rm /root/.bash_history; fi

#
# What S3 bucket do you want to put the AMI image in?
#
s3Bucket="default"

#
# What is your S3 Access Key ID?
# http://aws-portal.amazon.com/gp/aws/developer/account/index.html?action=access-key
#
s3AccessID=""

#
# What is your S3 Secret Access Key?
# http://aws-portal.amazon.com/gp/aws/developer/account/index.html?action=access-key
#
s3SecretKey=""

#
# Full path to the Amazon issued private key file - like pk-ZXE2357889KXXNEXX23454677XX.pem
# You should have already downloaded this and saved it when it was created. See thread:
# http://developer.amazonwebservices.com/connect/thread.jspa?threadID=27081
#
pk_file="/root/pk.pem"

#
# Full path to the Amazon issued certificate file - like cert-ZXE23456XXXJKXXN788654X4XXBXX.pem
# http://aws-portal.amazon.com/gp/aws/developer/account/index.html?action=access-key
#
cert_file="/root/cert.pem"

#
# Amazon Account - find on the Account Activity page - all numeric
# https://aws-portal.amazon.com/gp/aws/developer/account/index.html?ie=UTF8&action=access-key
# EXAMPLE: 9375-0289-1234 , keep the dashes
#
ec2_account=""

#
# OPTIONAL: Comma seperated path of dir's to ignore when we create the image, comment out to disable
#
ign_dir="-e /mnt/vhome"

#
```

```
#####  
#####  
#####  
#####  
#  
  
# clean up the old stuff  
if [ -f /mnt/${IMAGE_NAME}.manifest.xml ]  
then  
    rm -rf /mnt/${IMAGE_NAME}*  
fi  
  
# create an image of this system  
ec2-bundle-vol -k $pk_file -c $cert_file -u $ec2_account --arch i386 -d /mnt/ $sign_dir -p $IMAGE_NAME  
  
# upload to S3, ignore the SSL error  
ec2-upload-bundle --url http://s3.amazonaws.com -b $s3Bucket -m /mnt/${IMAGE_NAME}.manifest.xml -a $s3AccessID -s  
$s3SecretKey  
  
# register your AMI so it's available to you under 'AMI's Owned By Me'  
ec2-register -K $pk_file -C $cert_file ${s3Bucket}/${IMAGE_NAME}.manifest.xml
```