## (Encrypt Bash Shell Script into Unreadable binary format)

If you write a shell script code then any one can read your code and your security credential passed into it. So it's better to encrypt your Shell Script into unreadable binary format.

Complete procedure to install the compiler and how to encrypt your script has been shown below.

#### 1) Check if C++ compiler has been install or not.

```
[root@localhost shc-3.8.9b]# rpm -qa | grep gcc
gcc-4.8.5-28.el7_5.1.x86_64
libgcc-4.8.5-28.el7_5.1.x86_64
gcc-c++-4.8.5-28.el7_5.1.x86_64
libgcc-4.8.5-28.el7 5.1.i686
```

#### 2) If C++ not installed then

[root@localhost shc-3.8.9b]# yum install gcc-c++

### 3) Download latest encoder (shc-3.8.9b.tgz) as per your OS and proceed further as below...

```
[root@localhost alok]# mkdir shc-3.8.9b
[root@localhost alok]# chmod -R 777 shc-3.8.9b
[root@localhost alok]# cd shc-3.8.9b
[root@localhost shc-3.8.9b] # cp /tmp/ shc-3.8.9.tgz.8.9b.tgz /alok/ shc-3.8.9b
[root@localhost shc-3.8.9b]# tar -xzvf shc-3.8.9.tgz.8.9b.tgz
[root@localhost shc-3.8.9b] # 1s
shc-3.8.9b shc-3.8.9b.tqz
[root@localhost shc-3.8.9b] # cd shc-3.8.9b
[root@localhost shc-3.8.9b]# pwd
/home/alok/shc-3.8.9b/shc-3.8.9b
[root@localhost shc-3.8.9b] # 1s
CHANGES makefile pru.sh shc-3.8.9b.c shc.html
                                                     test.bash testit
Copying match
                   shc.1
                           shc.c
                                         shc.README test.csh
                                                                 test.ksh
[root@localhost shc-3.8.9b] # make
cc -Wall shc.c -o shc
***Do you want to probe shc with a test script?
***Please try...make test
[root@localhost shc-3.8.9b] # make install
```

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```
***Installing shc and shc.1 on /usr/local
***Do you want to continue? y
install -c -s shc /usr/local/bin/
install -c -m 644 shc.1 /usr/local/man/man1/
install: target /usr/local/man/man1/ is not a directory: No such file or
directory
make: *** [install] Error 1
[root@localhost shc-3.8.9b] # mkdir /usr/local/man/man1
mkdir: cannot create directory /usr/local/man/man1: No such file or directory
[root@localhost shc-3.8.9b]# mkdir /usr/local/man
[root@localhost shc-3.8.9b]# mkdir /usr/local/man/man1
[root@localhost shc-3.8.9b]# make install
***Installing shc and shc.1 on /usr/local
***Do you want to continue? y
install -c -s shc /usr/local/bin/
install -c -m 644 shc.1 /usr/local/man/man1/
[root@localhost shc-3.8.9b]# sudo cp shc /bin/shc
[root@localhost shc-3.8.9b]# chmod +x /bin/shc
[root@localhost shc-3.8.9b]# cd /home/alok/
[root@NMNMYSQLTEST01 alok]# ls
backup.cnf xfbackup
[root@NMNMYSQLTEST01 alok]# shc -f xfbackup
[root@NMNMYSQLTEST01 alok]# ls
backup.cnf xfbackup.x xfbackup.x.c
```

Now script **xfbackup.x** is your compiled script. You can delete others one. If you like to open this one you can find some unreadable text as below...

```
[root@NMNMYSQLTEST01 alert]# ls
backup.cnf xfbackup xfbackup.x xfbackup.x.c
[root@NMNMYSQLTEST01 alert]# vi xfbackup.x
                                         ·@^@à^L@^@
```