

Managetool 使用说明

managetool 用于配置 se 设备 sdf 接口，执行终端输出下面选择项。（使用前将库文件拷贝到/usr/local/lib/目录，或者系统默认库目录）

```
root@loongson-pc:/home/lxc/5000se/api_std_test/bin# ./managetool-5000
.....
          5000 management tool version:2.0.211122
.....

.....
0.init
1.set privatekey access pin
2.generate user kek
3.destroy all user key and kek
4.backup user key and kek
5.restore user key and kek
6.close all session

other. exit
input :0
```

Init:设备初次使用时初始化设备，**初始化过后的设备不再需要初始化。**

Set privatekey access pin:设置私钥访问权限码（生成密钥对），根据提示输入总数最多支持 8 个，然后输入对应的权限码。如下:索引号 1 的私钥权限码为 11111111

```
.....
0.init
1.set privatekey access pin
2.generate user kek
3.destroy all user key and kek
4.backup user key and kek
5.restore user key and kek
6.close all session

other. exit
input :1
user login.....success
please input the number of PIN
2
the 1 pin:11111111
the 2 pin:22222222
set prikey right pin : OK
user logout.....success
```

Generate user kek key:生成 64 个密钥保护密钥。

```

.....
0.init
1.set privatekey access pin
2.generate user kek
3.destroy all user key and kek
4.backup user key and kek
5.restore user key and kek
6.close all session

other. exit
input :2
user login.....success
generate user sm4 key No.1...
generate user sm4 key No.2...
generate user sm4 key No.3...
generate user sm4 key No.4...
generate user sm4 key No.5...

```

Destroy all user key and kek:销毁用户非对称密钥和密钥保护密钥。

```

.....
0.init
1.set privatekey access pin
2.generate user kek
3.destroy all user key and kek
4.backup user key and kek
5.restore user key and kek
6.close all session

other. exit
input :3
user login.....success
destroy key success!
user logout.....success

```

Backup user key and kek:备份用户非对称密钥和密钥保护密钥，密文存放于当前目录下 KeyData.dat 和 KeyData2.dat。（需输入对应私钥访问权限码）

```

.....
0.init
1.set privatekey access pin
2.generate user kek
3.destroy all user key and kek
4.backup user key and kek
5.restore user key and kek
6.close all session

other. exit
input :4
user login.....success
backup kek key: OK, saved in KeyData.dat
user logout.....success
user login.....success
start backup user keypair...
please input the number of PIN
2
input the 1 pin:11111111
input the 2 pin:22222222
backup keypair: OK, saved in KeyData2.dat
user logout.....success

```

Restore user key and kek:恢复用户非对称密钥和密钥保护密钥。（需输入对应私钥访问权限码）

```

.....
0.init
1.set privatekey access pin
2.generate user kek
3.destroy all user key and kek
4.backup user key and kek
5.restore user key and kek
6.close all session

other. exit
input :5
user login.....success
restore user key ok
user logout.....success
user login.....success
start restore user keypair...
please input the number of PIN
2
input the 1 pin:11111111
input the 2 pin:22222222
restore user keypair ok
user logout.....success

```

Close all session: 关闭当前设备中所有 session。（需要当前存在未关闭的 session）。

```

.....
0.init
1.set privatekey access pin
2.generate user kek
3.destroy all user key and kek
4.backup user key and kek
5.restore user key and kek
6.close all session

other. exit
input :6
do you want close all session ?!
1. yes
2. no
1
WARNNING !! all session will close!
1. continue
2. exit
1
success!

```