

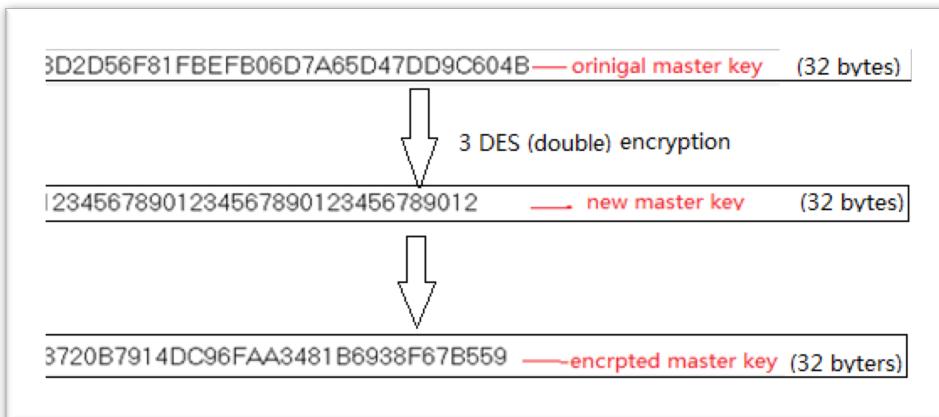
## 一、Set master key:

POS has been set master key by default(0123456789ABCDEFFEDCBA9876543210). If you want update the master key, you need use original master key to encrypted new master key by 3-DES and get the check value

1. Inject by SDK interface—pos.setMasterKey(String key, String checkValue, int keyIndex):

```
    } else if(item.getItemId()==R.id.setMasterkey) {  
        pos.setMasterKey(key: "F40379AB9E0EC533F40379AB9E0EC533", checkValue: "82E13665B4624DF5", keyIndex: 0);
```

2. Parameter key: Generate encrypted master key



3. Parameter checkValue: Calculate CheckValue for master key:



4. Parameter keyIndex: The starting point of the real key

5. Check result from bellow call back

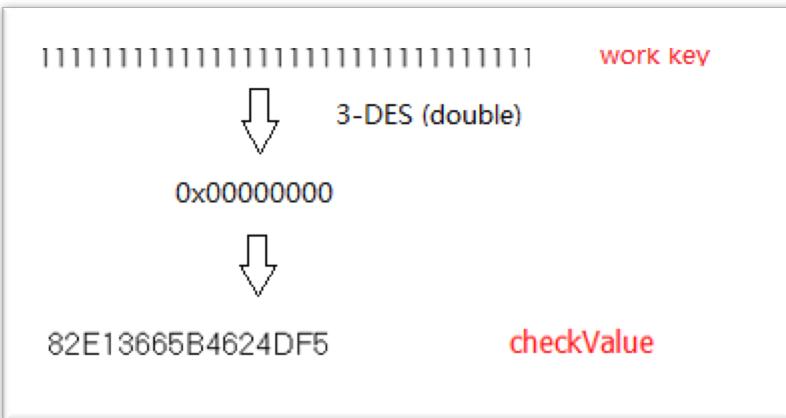
```
@Override  
public void onReturnSetMasterKeyResult(boolean isSuccess) {  
    TRACE.d(string: "onReturnSetMasterKeyResult(boolean isSuccess) : " + isSuccess);  
    statusEditText.setText("result: " + isSuccess);  
}
```

## 二、set work keys

## 1. Generate work keys



## 2. Calculate checkValue for work key



## 3. SDK interface inject work keys

```
pos.updateWorkKey( pik: "COAC58F6D8062E74E1C57B61BB75DF45", pikCheck: "E14947AF6DE6A7A1",
    trk: "COAC58F6D8062E74E1C57B61BB75DF45", trkCheck: "E14947AF6DE6A7A1",
    mak: "COAC58F6D8062E74E1C57B61BB75DF45", makCheck: "E14947AF6DE6A7A1", keyIndex: 0 );
```

## 4. Check result from below call back

```
@Override
public void onRequestUpdateWorkKeyResult(UpdateInformationResult result) {
    TRACE.d("onRequestUpdateWorkKeyResult(UpdateInformationResult result): " + result);

    if (result == UpdateInformationResult.UPDATE_SUCCESS) {
        statusEditText.setText("update work key success");
    } else if (result == UpdateInformationResult.UPDATE_FAIL) {
        statusEditText.setText("update work key fail");
    } else if (result == UpdateInformationResult.UPDATE_PACKET_VEFIRY_ERROR) {
        statusEditText.setText("update work key packet vefiry error");
    } else if (result == UpdateInformationResult.UPDATE_PACKET_LEN_ERROR) {
        statusEditText.setText("update work key packet len error");
    }
}
```