

Custom CAS

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[test-cas.c/mk.sh/MAG-CAS-plugin.h](#)

Example custom cas(ECM):

Example test-cas.c:

```
#include "MAG-CAS-plugin.h"
#include "stdio.h"
#define DEBUG(x...) {}//printf(x)
#define DEBUG(x...) printf(x)
#define DEBUG_CALL() DEBUG("Called function %s\n",__FUNCTION__)

STB_MAG_Cas_t PluginInterface;
@@ -123,7 +123,7 @@
CAS_Flags_e CAS_GetCasFlags(void)
{
    DEBUG_CALL();
    - return CAS_Flags_DecodeAll;
    + return CAS_Flags_PMT_ECM;
};
/**
 * Get the format of ECM data expected by the plugin in
@@ -155,7 +155,7 @@
    DescramblerInterface.SetScramblingKey =
mag_interface->SetScramblingKey;
    DescramblerInterface.SetScramblingType =
mag_interface->SetScramblingType;
}
- PluginInterface.Decrypt = CAS_Decrypt;
+ PluginInterface.Decrypt = NULL;
    PluginInterface.Deinit = CAS_Deinit;
    PluginInterface.GetCasFlags = CAS_GetCasFlags;
    PluginInterface.GetEcmFormat = NULL;
@@ -165,6 +165,13 @@
    PluginInterface.OnPmtChange = NULL;
    PluginInterface.ResetStream = CAS_ResetStream;
    PluginInterface.SetAdditionalParam = CAS_SetAdditionalParam;
+
+ DescramblerInterface.SetScramblingType(CAS_SCRAMBLING_TYPE_CSA);
+ char evenKey[8]={0x11,0x11,0x11,0x33,0x11,0x11,0x11,0x33};
+ char oddKey[8]={0x11,0x11,0x11,0x33,0x11,0x11,0x11,0x33};
+ DescramblerInterface.SetScramblingKey(evenKey,0);
+ DescramblerInterface.SetScramblingKey(oddKey,1);
+
```

```
return &PluginInterface;  
};
```

Notes:

1. When compiling, set option -fPIC
2. Set GetSysID

```
/**  
 * Get CAS vendor SysID as defined in DVB. Useful only in  
 * CAS_Flags_PMT_ECM mode  
 */  
int (*GetSysID)(void);
```

According this SysID - from stream PID is determined where ECM packets are. Example was designed to decrypt totally with resources of plugin.

From:
<http://docs.infomir.com.ua/> -

Permanent link:
http://docs.infomir.com.ua/doku.php?id=stb_webkit:faq:cas_api

Last update: **2019/05/17 11:23**

