

## Tvheadend - Bug #5099

### cccam protocol 2.3.0 - Ignore ECM request

2018-05-02 23:21 - Alpay Yildiray

|   |                   |                           |            |
|---|-------------------|---------------------------|------------|
| <b>Status:</b>  | New               | <b>Start date:</b>        | 2018-05-02 |
| <b>Priority:</b>  | Normal            | <b>Due date:</b>          |            |
| <b>Assignee:</b>  |                   | <b>% Done:</b>            | 0%         |
| <b>Category:</b>  | Descrambling      | <b>Estimated time:</b>    | 0.00 hour  |
| <b>Target version:</b>  |                   | <b>Affected Versions:</b> |            |
| <b>Found in version:</b>  | 4.3-1252~g595fd17 |                           |            |
| <b>Description</b>  |                   |                           |            |
| This happens with multiple cccam providers. I am testing with their free 24 hour test lines, using the newest protocol. Same line works with dreambox receiver. No config setting changes the behavior. |                   |                           |            |

#### History

##### #1 - 2018-05-04 15:15 - Alpay Yildiray

After a lot of fiddling with settings and the like I am still experiencing the same errors. Can anybody point me in the right direction please?

##### #2 - 2018-11-25 14:55 - Pim Zandbergen

<https://tvheadend.org/boards/13/topics/35089>

##### #3 - 2018-11-25 16:07 - Pablo R.

'--trace cccam,descrambler' ?

##### #4 - 2018-11-25 16:41 - Jaroslav Kysela

Yes, show above traces. <https://tvheadend.org/projects/tvheadend/wiki/Traces>

##### #5 - 2018-11-30 16:16 - Ricardo Rocha

- File tvh.log added

here's a log!

##### #6 - 2018-11-30 21:01 - Jaroslav Kysela

- File a.patch added

Add this patch (also attached) and show the logs again. It seems that tvh does not understand the reply from the server.

```
diff --git a/src/descrambler/cccam.c b/src/descrambler/cccam.c
index cfb3b1fe8..27a550d68 100644
--- a/src/descrambler/cccam.c
+++ b/src/descrambler/cccam.c
@@ -513,9 +513,12 @@ cccam_read_message0(cccam_t *cccam, const char *state, sbuf_t *rbuf, int timeout
     if (rbuf->sb_ptr >= msglen + 4) {
         memcpy(rbuf->sb_data, hdr, 4);
         cccam_decrypt(&cccam->recvblock, rbuf->sb_data + 4, msglen);
+        tvhtrace(LS_CCCAM, "decrypt: msglen %d", msglen + 4);
+        tvhlog_hexdump(LS_CCCAM, rbuf->sb_data, msglen + 4);
         return msglen + 4;
     } else {
         cccam->recvblock = block;
+        tvhtrace(LS_CCCAM, "decrypt failed: msglen %d sbptr %d", msglen + 4, rbuf->sb_ptr);
         return 0;
     }
 }
```

##### #7 - 2018-11-30 21:07 - Ricardo Rocha

Small doubt... does the constant cw that I use on modified descramble file on data/conf is used also on cccam and newcamd or that only apply to capmt?

**#8 - 2018-11-30 21:10 - Jaroslav Kysela**

It applies to the descrambling not for the client code. Anyway, this looks like a specific cccam bug - I've tested the cccam code only against the oscam so the support for other servers might be bad.

**#9 - 2018-11-30 21:27 - Ricardo Rocha**

The traces weren't done against oscam but when I first noticed it I was testing against oscam and the cccam also doesn't work at least for me.

**#10 - 2018-12-01 09:05 - Ricardo Rocha**

@Jaroslav Kysela still doesn't work! want me to test against oscam, or to make new traces?

**#11 - 2018-12-01 09:15 - Ricardo Rocha**

- File trace2.log added

**#12 - 2018-12-04 12:39 - Jaroslav Kysela**

I probably need more complete log (with requests before the things fail). It seems that something is left in the receive buffer and the cccam packet decoding is malformed.

**#13 - 2018-12-04 20:17 - Pim Zandbergen**

Do I understand correctly that current cccam client code was designed to use against a local oscam server talking cccam protocol, working as an intermediate between tvh and remote cccam servers? Why would one use cccam to talk to an oscam server, instead of the more obvious dvbapi?

Currently tvh->dvbapi->oscam->multiplecccamsservers works fine for me. It was just curiosity that lead me to test the cccam client in tvh.

Other than bypassing oscam, what could we gain by using cccam directly?

**#14 - 2018-12-04 21:13 - Ricardo Rocha**

Jaroslav didn't said it was created only to work against oscam... he said that HE only tested against oscam.

i will try to grab some more logs to help on debug!

**#15 - 2021-11-09 12:07 - Chris F**

Did this ever get resolved ?

**Files**

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|                              |           |            |                 |
|------------------------------|-----------|------------|-----------------|
| cccamgate_test-errorlog.txt  | 1.63 KB   | 2018-05-02 | Alpay Yildiray  |
| cccam-free_test-errorlog.txt | 34.1 KB   | 2018-05-02 | Alpay Yildiray  |
| cccam-full_test-errorlog.txt | 7.5 KB    | 2018-05-02 | Alpay Yildiray  |
| bosscccam_test-errorlog.txt  | 11.9 KB   | 2018-05-02 | Alpay Yildiray  |
| tvh.log                      | 14.7 KB   | 2018-11-30 | Ricardo Rocha   |
| a.patch                      | 694 Bytes | 2018-11-30 | Jaroslav Kysela |
| trace2.log                   | 11.4 KB   | 2018-12-01 | Ricardo Rocha   |