PART II

Web Server and other EMU's connection settings

The CCcam webinfo server provides information about the current CCcam status and its connections through a web page. This option provides clear information about all the connected clients, the active clients, as well as the servers status.
By default, the webinfo server runs on port 16001. Therefore, to access the webinfo sever using your browser, type http://your_dreambox_ipnumber:16001 . If set in your CCcam config file, you will be asked to enter the user name and password.
In our example, there must be a defined access of a client to a server. If the access is defined, then the communication is established, and the information are displayed.

This is an example of what the client webinfo server page looks like. The top section displays information about the clients who have been active during the past 20 seconds, as well as the amount of ECM received.The bottom part represents a list of all the users as well as a traffic summary.
The local traffic differs from the remote traffic, and it is therefore displayed separately.

```
Connected clients: 4
+---------+------------+------------+------------+---------+-----+--------+----------------------+----------+
| Username| Host       | Connected  | Idle time  | ECM     | EMM | Version| Last used share      | Ecm time |
+---------+------------+------------+------------+---------+-----+--------+----------------------+----------+
| User1   |xx.xx.10.1  |00d 01:19:32|00d 00:00:01|518 (509)|0 (0)|1.2.1   | Last used share      | Ecm time |
| User2   |xx.xx.10.2  |00d 00:46:25|00d 00:00:10|174 (167)|0 (0)|1.2.1   | Last used share      | Ecm time |
+---------+------------+------------+------------+---------+-----+--------+----------------------+----------+

+---------+---------------------------------------+
| Username| Shareinfo                             |
+---------+---------------------------------------+
| User3   | local 500:021500 1(0)                 |
| User4   | remote 919:000000 280(280)            |
|         | remote 1801:000501 2(0)               |
+---------+---------------------------------------+
```

An example of what the webinfo server page looks like is reported here under. On the right side, it is listing the server CAID's along with the amount of requested ECM's. The local or remote traffic are separated again.

```
Server connections: 1
+----------------------+------------+---------+--------+----------------+-------+-------------------------------+
| Host                 | Connected  | Type    | Version| NodeID         | Cards | CAID/Idents                   |
+----------------------+------------+---------+--------+----------------+-------+-------------------------------+
|    192.168.1.4:12000 |00d 15:15:58|CCcam-s2s|1.2.1   |5d341729df599d5a|      2| remote 919:000000 60(46)      |
|                      |00d 01:33:02|CCcam-s2s|1.2.1   |                |       | local  4a70:000000 67(0)      |
+----------------------+------------+---------+--------+----------------+-------+-------------------------------+
```

Log using a Syslog utility

In all our examples, so far, we used the Telnet command. However, this is not the best solution to launch the EMU in –dv mode and check possible errors.
3CSyslog represents an alternative solution. This utility is a Freeware, and can be downloaded from the web http://support.3com.com/software/utilities_for_windows_32_bit.htm

First of all,you need to apply the following settings in the CCcam configuration file.Both SHOW TIMING and DEBUG must be set to YES.

if timing should be shown in OSD and debug output
default is no (turned off)
#
SHOW TIMING : yes
turns debugging on and off
default is no (turned off)
#
DEBUG : yes

Then, enable the syslog option in your DreamBox. On Gemini images, this is found in Blue Panel, Extra Settings, Sys/Kernel Log. Press OK, and press it again to select Syslog/Daemon. Now enable all the options including the remote logging option. Fill in your PC IP number, and use port 514 (DUP)

If you now launch the command Ccam - V, the activity log will be recorded to the Dreambox syslog and all the information will be displayed on your PC
3cSyslog works for CCcam as well as other EMU's, such as Camd3 and Newcs. In this case, it will require to enter the port number 514 in the config file. Syslog-Daemon is not required for these 2 EMU's.

Other EMU's connections

Camd3

CCcam can read Camd3 sharing data, but cannot work as server for Camd3.
However, this works only for Camd3 UDP sharing networks (these always start by 357 camd3.servers 357).

When added to your CCcam, the L: line creates a link from CCcam to a Camd3 server. The syntax is:
L: <server IP or URL> <server UDP port> <username> <password> <CAID> <Provider>
Example given:
L: server.dyndns.org 567 user pass 0100 000080

To identify the cards an/or softcam key, CAMD3 requires the CAID/Provider numbers (as discussed in part 1).
If the camd3 servers holds many cards, and therefore many caid/provider, then an L: line must be written for each card.

Radegast

The R: line links CCcam to a RADEGAST server.
The syntax is
R: <server IP or URL> <server port number> <username> <password> <CAID> <Provider>
Example given
R: 127.0.0.1 678 0100 000080

As with camd3, an R line is required for each card

Newcamd (Newcs)

The N: line links CCcam to a Newcamd server (e.g. NewCS or Newcamd). Connencting to a Newcamd server is very simple, because when a client connects, the server will provide infomations about the available services.

The syntax is
N: <server IP or URL> <server port number> <username> <password> <DesKey>
The DesKey is a string used to encrypt the communication.

Example given
N: 127.0.0.1 10000 dummy dummy 01 02 03 04 05 06 07 08 09 10 11 12 13 14

The current CCcam version (V 1.2.1) cannot read all kind of cards. This is why,it requires additional protocols known as CardReaders. Amongst these, NewCS is probably the best choice to work with the NewCamd protocol.
The NewCamd protocol is using a 2 way login between the client and the server. Using NewCS, this feature offers the possibility to know which EMU is used by each client.If a client prefers not to share this information, then the Stealth mode must be enabled.

E.g.
NEWCAMD STEALTH : yes

If you wish to enable a newcamd setting on your Dreambox, then set it to YES
NEWCAMD CONF : yes

NewCS Configuration

Even though NewCS is not directly related to CCcam, it is required to allow CCcam reading some subscription cards such as Nagra 2.
Newcs is also composed of 2 files:

a) A binary executable NewCS found in /var/bin/newcs
b) The configuration file newcs.xml found in found in /var/tuxbox/config/newcs.xml

Attributes for the executable newcs file must be set to 755.
The configuration file newcs.xml contains information for the cardserver. As for HTML files, newcs.xml is composed of tags that must be be opened and closed each time.
Let's look at the newcs.xml configuration file.

```
<device>
<name>lower</name>
<type>Sci</type>
<node>/dev/sci0</node>
<parity>even</parity>
<export>yes</export>
<enabled>yes</enabled>
<blocksa>no</blocksa>
<blockua>no</blockua>
<blockga>no</blockga>
<boxid></boxid>
<PTShandshake>no</PTShandshake>
<Seca-PPV>no</Seca-PPV>
<crypto-special>no</crypto-special>
<carddetect>no</carddetect>
<newcamd_port>34000</newcamd_port>
<autosid>yes</autosid>
<priority>round</priority>
</device>
```

This section of the configuration file is listing information about the Dreambox card lower slot (/dev/sci0).Without waisting time on each tag, the most important information to note is the communication port. This port is used by CCcam and must be reported to the N: line of the CCcam.cfg file.

```
<newcamdserver>
<enabled>yes</enabled>
<deskey>01 02 03 04 05 06 07 08 09 10 11 12 13 14</deskey>
<name>newcs</name>
<user>
<name>dummy</name>
<password>dummy</password>
<au>on</au>
<allow>lower</allow>
<allow>upper</allow>
</user>
</newcamdserver>
```

In this seconf section, the Newcamd server is enabled and the Deskey is defined. The DesKey must be added to the CCcam.cfg file.All you need now to complete the N: line are the user and password. These can be found in the next row, in the <name> and <password> tags: dummy/dummy

Therefore, with newcs in local, your N: line would be:

N: 127.0.0.1 34000 dummy dummy 01 02 03 04 05 06 07 08 09 10 11 12 13 14

Note.When NewCS is used as cardreader, this must be started before CCcam. It is therefore suggested to start 2 Telnet sessions, one for NewCS and one for CCcam.