

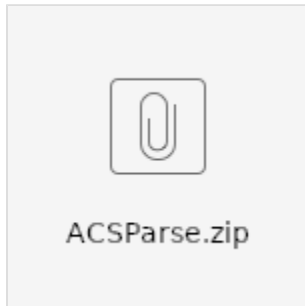
# ACSParse - log message extracting tool

This tool allows to automatically parse SIP CC message flow from provided trace files set (as well as other message types).

A separate file with messages for each involved component is produced, named <component>.SIPCC.

A final all-in-one html file is generated with message table. Messages are placed in a sequential order, each column is for dedicated component.

## Binaries (v. 27.04.2018):



## Stash:

[ACSParse repo](#)

## UPDATE from 28-MAR-2018

### What's new:

- Added RTSM incoming messages visualization

## UPDATE from 02-MAY-2017

### What's new:

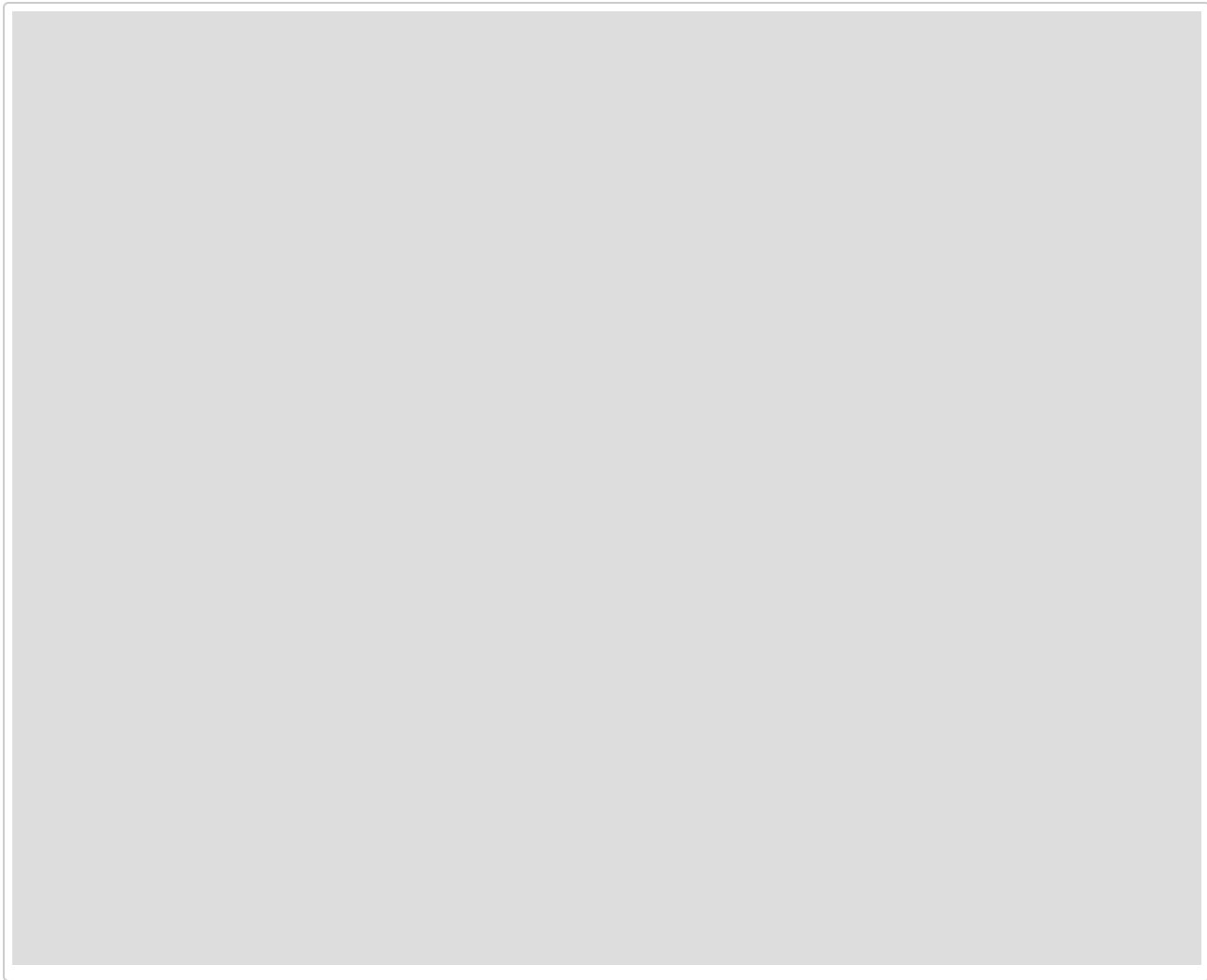
- recursive log file search (just choose the folder where all the traces are located)
- Date and time ("From" and "To") period filters introduced
- automatic report link generation (no more need to copy-and-paste, just click the "[Open report](#)" link)

## UPDATE from 27-APR-2018

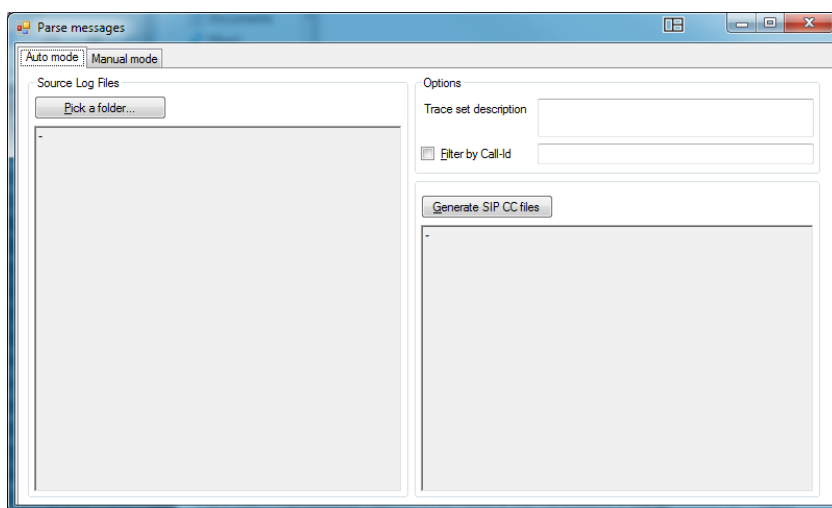
### What's new:

- Add AMS, SIPS, RTSM support
- Log parser settings are easily accessible from XML
- Filter by timestamp: add RTSM, SIPS, AMS support
- Log types UI filter (can choose what logs to show in report)
- Columns in report are dynamically populated according to messages processed

Made a presentation and a demo at Sprint 16' end.



## Automatic mode



1. Auto mode tab

### Usage:

1. prepare a folder with needed ACS log files (1.1)

- currently supported log file types: ths, tns, tp240drv, buddyconsole
  - you can add as many log files as you like
2. Press the button "Pick a folder" to choose a folder (1.2)
  3. Fill a description if needed
  4. Press "Generate SIP CC files" button (1.3)
  5. A set of files will be generated inside a sub-folder (1.4).

## Resulting files

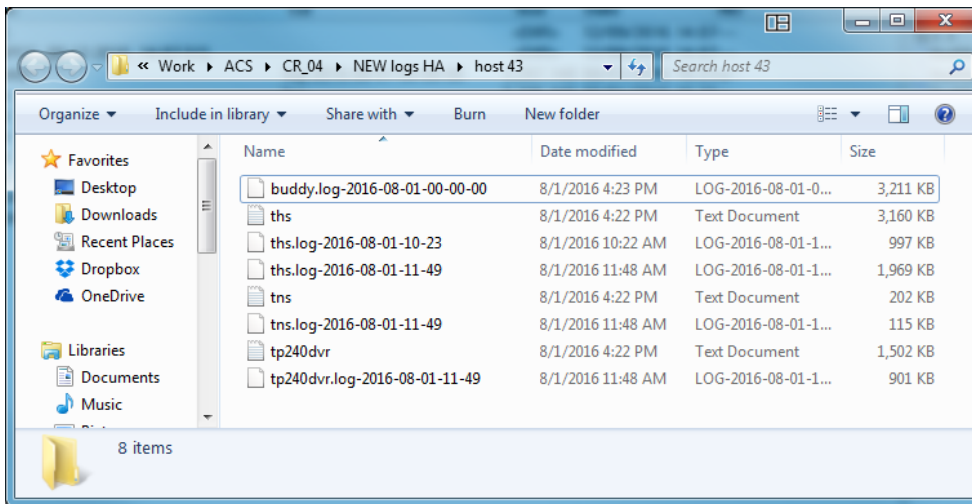
A **<component name>.SIPCC** file is generated for each component (tpdvr, tns, ths, buddy), containing only SIP CC messages for that component (1.5).

A HTML representation **output.html** is generated (1.6, 1.7).

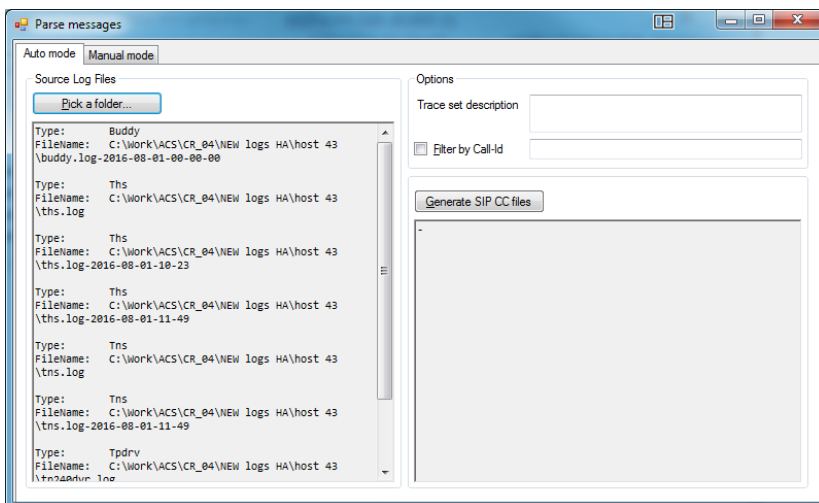
it's a table representation of SIP CC messages flow in a sequential order.

Messages are expandable - double-click to expand to full message (1.8)

## Screenshots



### 1.1 Prepare a folder



### 1.2 Pick a folder. A textbox on the left shows log files in a selected folder



```
C:\Users\maxing.CORP\Dropbox\Work\acs\CR12\Traces\17 - Shortened\SIPCC_07-12-2016_07-52-47\ThisSIPCC - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
This SIPCC
1 2016-11-18 12:20:43,191439 [9985] INFO sip_thsdb - Sent message to socket 18 (UDP_CH 1
2 SUBSCRIBE sip:edial@edial.com:5068 SIP/2.0
3 Call-ID: 103100
4 CSeq: 1101 SUBSCRIBE
5 From: sip:conference.wizard@local.host
6 To: sip:conference.wizard@local.host
7 Contact: sip:135.247.194.245:5061
8 Event: call-statistics
9 Content-Length: 0
10
11
12
13 2016-11-18 12:20:43,192736 [9985] INFO sip_thsdb - Received message from socket 18 (UD
14 NOTIFY sip:conference.wizard@local.host SIP/2.0
15 Via: SIP/2.0/UDP 135.247.194.245:5068
16 Call-ID: 10245110
17 CSeq: 10245111 NOTIFY
18 From: sip:conference.wizard@local.host
19 To: <sip:conference.wizard@local.host>
20 Contact: sip:135.247.194.245:5068
21 X-domain: internal_edial_domain
22 Content-Length: 153
23 Content-type: application/call-statistics
24
25 audio_start=0
26 audio_end=0
27 audio_hiwater=0
28 video_start=0
29 video_end=0
30 video_hiwater=0
31 app_start=0
32 app_end=0
33 app_hiwater=0
34 failed_dialin=0
35 failed_dialout=0
36
37
38 2016-11-18 12:21:45,551277 [9985] INFO sip_thsdb - Sent message to socket 18 (UDP_CH 1
39 SUBSCRIBE sip:edial@edial.com:5068 SIP/2.0
40 Call-ID: 103101
41 CSeq: 1102 SUBSCRIBE
42 From: sip:conference.wizard@local.host
43 To: sip:conference.wizard@local.host
44
Normal text file length: 916685 lines: 21621 Ln: 1 Col: 1 Sel: 0|0 Dos/Windows UTF-8 INS
```

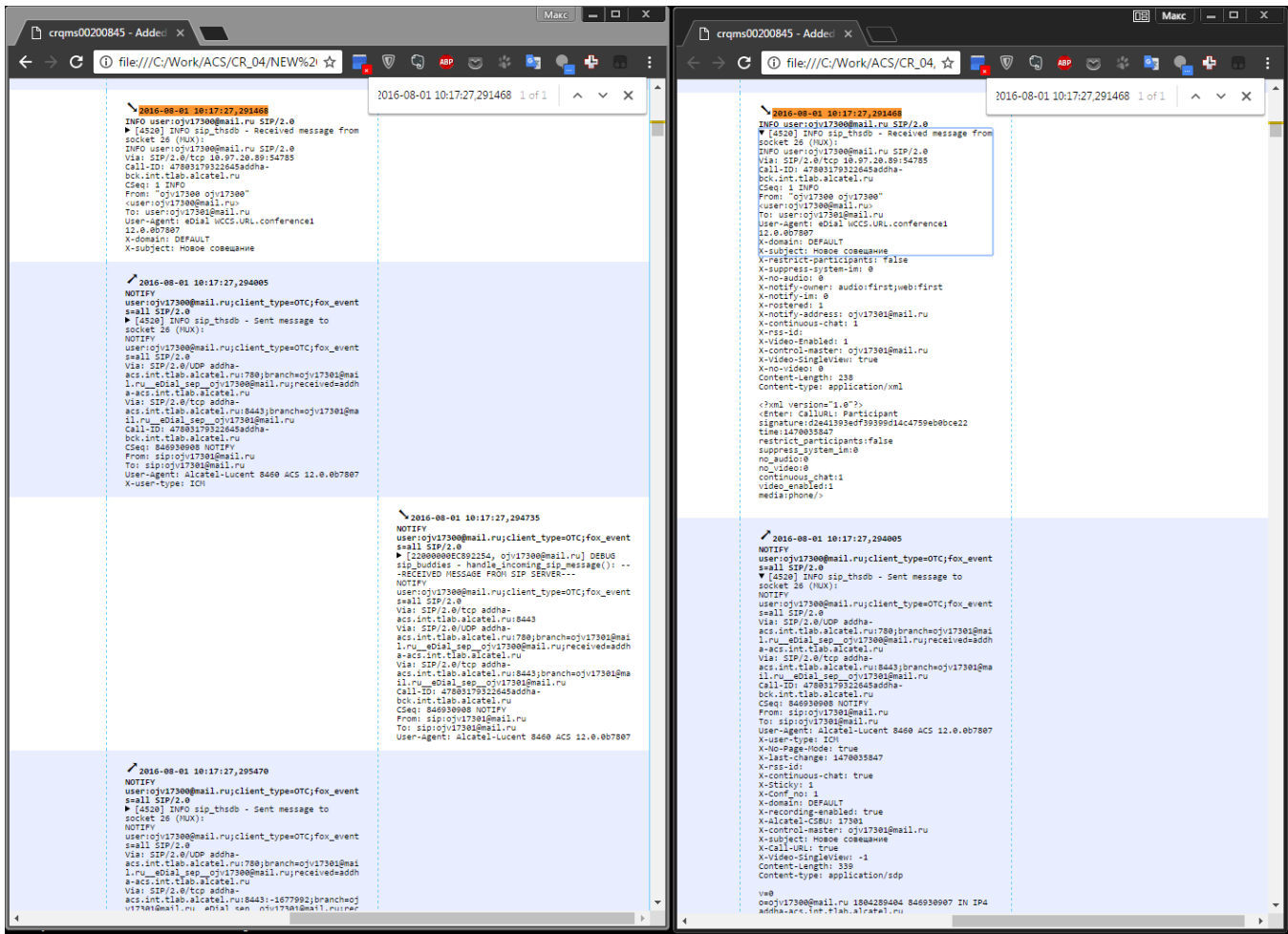
1.5 A SIP CC file for a component

crqms00200845 - Added HA platform - 172.17.3.43 (host) traces			
TP240DVR	TNS	THS	BUDDYCONSOLE
			<pre> 2016-08-01 10:13:52,101240 &lt;ths_monitor&gt; ▶[global] INFO sip_buddies - handle_ths_monitor_msg(): ---RECEIVED MESSAGE FROM THE MONITOR--- &lt;ths_monitor&gt; &lt;wcc_spillover&gt; &lt;/wcc_spillover&gt; &lt;/ths_monitor&gt; </pre>
		<pre> 2016-08-01 10:14:46,888846 REGISTER sip:localhost SIP/2.0 ▶[4530] INFO sip_thsdb - Received message from socket 13 (THS): REGISTER sip:localhost SIP/2.0 Via: SIP/2.0/TCP elabtns@edial.office Call-ID: 1 CSeq: 2 REGISTER From: sip:elabtns@edial.office To: sip:elabtns@edial.office Contact: sip:elabtns@edial.office Authorization: Basic Hellow, World X-domain: internal_edial_domain </pre>	
		<pre> 2016-08-01 10:14:47,042282 REGISTER sip:localhost SIP/2.0 ▶[4530] INFO sip_thsdb - Received message from socket 17 (UDP_CH 127.0.0.1:5068): REGISTER sip:localhost SIP/2.0 Via: SIP/2.0/UDP 172.17.3.40:5068;branch=z9h04b235353964 Call-ID: 928676084@adna- acs.int.tlab.alcatel.ru CSeq: 1 REGISTER From: "Alcatel-Lucent 8460 ACS 12.0.0b7807" &lt;sip:conference.wizard@local.host&gt;;tag=23535396 S To: "Alcatel-Lucent 8460 ACS 12.0.0b7807" &lt;sip:conference.wizard@local.host&gt; Contact: &lt;sip:edial@172.17.3.40:5068&gt;, sip:edial@edial.com:5068;tag=12345 Expires: 3600 </pre>	
		<pre> 2016-08-01 10:14:47,042690 NOTIFY sip:edial@edial.com:5068 SIP/2.0 ▶[4530] INFO sip_thsdb - Sent message to socket 17 (UDP_CH 127.0.0.1:5068): NOTIFY sip:edial@edial.com:5068 SIP/2.0 Call-ID: 127816684376166130 </pre>	

1.6 A HTML table representation (output.html)

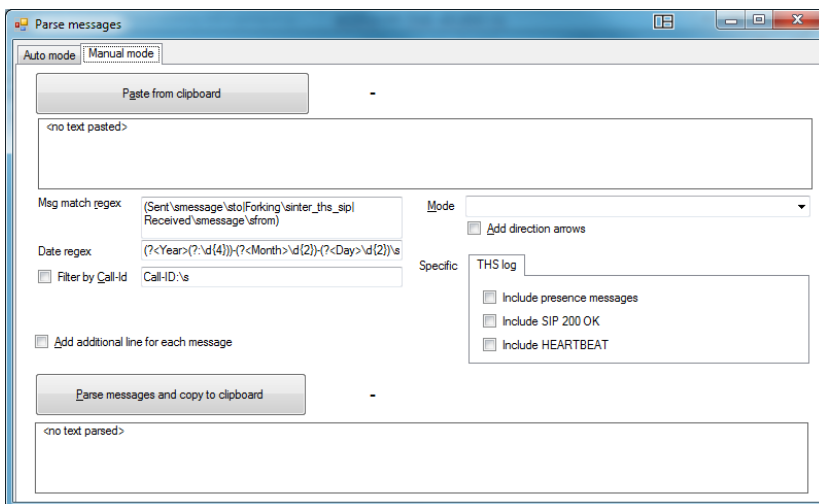
2016-08-01 11:46:18,475076 INVITE sip:18181@172.17.3.48:5260 SIP/2.0 ▶ [10000] INFO tp260drv - Sending to THIS_Ch socket (172.17.3.48:5260): INVITE sip:18181@172.17.3.48:5260 SIP/2.0 Via: SIP/2.0/UDP 172.17.3.48:5068;branch=29b4b157679987 Call-ID: 765576000@172.17.3.48 CSeq: 1 INVITE From: "ojv17301 ojev17301" <sip:11220@addha-sip.int.tlab.alcatel.ru>;tag=022284716157679985 To: sip:18181@172.17.3.48:5260 Contact: sip:11220@172.17.3.48:5068 User-agent: Alcatel-Lucent 8460 ACS 12.0.057887 Max-Forwards: 70			
	2016-08-01 11:46:18,406138 NOTIFY sip:ojv17301@mail.ru SIP/2.0 ▶ [11144] INFO tns - Message (TNS->TMS): NOTIFYV sip:ojv17301@mail.ru SIP/2.0 Via: SIP/2.0/TCP elabtns@edial.office From: sip:elabtns@edial.office To: "ojv17301 ojev17301" <sip:ojv17301@mail.ru> Call-ID: 47803179322645addha-bck.int.tlab.alcatel.ru CSeq: 1 NOTIFY Contact: sip:elabtns@edial.office X-control-master: ojev17301@mail.ru X-domain: DEFAULT		
		2016-08-01 11:46:18,534236 NOTIFYV sip:ojv17301@mail.ru SIP/2.0 ▶ [8478] INFO sip_thsdb - Received message from socket 26 (TMS): NOTIFYV sip:ojv17301@mail.ru SIP/2.0 Via: SIP/2.0/TCP elabtns@edial.office Call-ID: 47803179322645addha-bck.int.tlab.alcatel.ru CSeq: 1 NOTIFY From: sip:elabtns@edial.office To: "ojv17301 ojev17301" <sip:ojv17301@mail.ru> Contact: sip:elabtns@edial.office X-control-master: ojev17301@mail.ru X-domain: DEFAULT	
		2016-08-01 11:46:18,535837 NOTIFYV user:ojv17300@mail.ru;machine SIP/2.0 ▶ [8478] INFO sip_thsdb - Sent message to socket 24 (HUX): NOTIFYV user:ojv17300@mail.ru;machine SIP/2.0 Via: SIP/2.0/UDP addha-acs.int.tlab.alcatel.ru;780;branch=ojv17301@mail.ru;_dial_sep_ojev17300@mail.ru;received=addha-acs.int.tlab.alcatel.ru Call-ID: 47803179322645addha-127.0.0.1:57195;received=127.0.0.1:57195;138195696 Call-ID: 47803179322645addha-bck.int.tlab.alcatel.ru CSeq: 1 NOTIFY From: sip:ojv17301@mail.ru To: "ojv17301 ojev17301" <sip:ojv17301@mail.ru> Contact: <sip:adha-acs.int.tlab.alcatel.ru:8443;transport=tssl> X-user-type: ICH	
		2016-08-01 11:46:18,537371 NOTIFYV user:ojv17301@mail.ru SIP/2.0 ▶ [8478] INFO sip_thsdb - Sent message to socket 25 (HUX): NOTIFYV user:ojv17301@mail.ru SIP/2.0 Via: SIP/2.0/TCP addha-acs.int.tlab.alcatel.ru:8443;branch=ojv17301@mail.ru;_dial_sep_ojev17301@mail.ru Call-ID: 47803179322645addha-bck.int.tlab.alcatel.ru CSeq: 1 NOTIFY From: sip:ojv17301@mail.ru;tag=12345678 To: "ojv17301 ojev17301" <sip:ojv17301@mail.ru> Contact: <sip:adha-acs.int.tlab.alcatel.ru:8443;transport=tssl> X-user-type: ICH X-No-Page-Node: true	
		2016-08-01 11:46:18,537454 NOTIFYV user:ojv17300@mail.ru;client_type=OTC;fox_event \$=all SIP/2.0 ▶ [18888888781A2222, ojev17300@mail.ru] DEBUG sip_buddies - handle_incoming_sip_message(): -- -RECEIVED MESSAGE FROM SIP SERVER--- NOTIFYV	

1.7 A HTML table representation (output.html)



1.8 A default message appearance and an expanded appearance

## Manual mode



### 2 Manual mode

The manual mode allows to parse SIP CC messages from clipboard.

There are some pre-templated settings which you can choose in the "Mode" combobox on the right ("ths", "tns" mode and so on).



Or you can fine-tweak the regular expressions in the textboxes on the left.

## Get the tool

The source code is available at:

[ACSParse project on our Stash / BitBucket server](#)

Feel free to enhance it in any way, or to send me any of your questions / suggestions / complaints:

<mailto:maxim.grachev@al-enterprise.com?Subject=ThsParse%20suggestion%20/%20bug>