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1  #Script per conversione txt-csv del can
2
3  #!/bin/bash
4
5  file_input=$1
6  echo $file_input
7
8  file_output=can${file_input:3:10}.csv
9
10 count=0
11 stringa1=""
12 stringa2=""
13 byte1=""
14 byte2=""
15 byte3=""
16 byte4=""
17 byte5=""
18
19 start="START"
20 time="TIME"
21 messageid="MESSAGEID"
22 dlc="DLC"
23 value="VALUE"
24
25 mkdir ${file_input:3:10}
26
27 echo $start ";" $time ";" $messageid ";" $dlc ";" $value >
${file_input:3:10}/${file_output}
28
29 time1=""
30
31 value="vuoto"
32
33 ciclo=0
34
35 while read var1
36 do
37
38     start=${file_input:3:10}
39     #da aggiornare con lo unix
40
41
42     if echo $var1 | grep --quiet IP; then
43         hours=`echo ${var1:0:2}`
44         minutes=`echo ${var1:3:2}`
45         seconds=`echo ${var1:6:2}`
46         time2=$((10#$seconds + 10#$minutes * 60 + 10#$hours * 3600))
47
48         if [ "$ciclo" -eq "1" ]; then
49             time1=$((10#$seconds + 10#$minutes * 60 + 10#$hours * 3600))
50             fi
51             time=$((10#$time2 - 10#$time1 + 10#$start))
52
53             value="vuoto"
54             fi
55
56
57             if echo $var1 | grep --quiet 0x0020; then
58                 byte1=`echo ${var1:34:2}`
59                 byte2=`echo ${var1:36:2}`
60                 messageid=`echo $byte2$byte1`
61
62
63                 byte1=`echo ${var1:44:2}`
64                 byte2=`echo ${var1:46:2}`
65                 dlc=`echo $byte2$byte1`
66                 fi
67
68
69                 if echo $var1 | grep --quiet 0x0030; then
70                     byte1=`echo ${var1:14:2}`
71                     byte2=`echo ${var1:16:2}`
72                     byte3=`echo ${var1:18:2}`

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73     byte4=`echo ${var1:20:2}`
74     byte5=`echo ${var1:22:1}`
75
76     value=`echo $byte2$byte1`
77     fi
78
79     if [ $value == "vuoto" ]; then
80     echo "errore"
81     else
82     echo $start ";" $time ";" $messageid ";" $dlc ";" $value >>
83     ${file_input:3:10}/${file_output}
84     fi
85
86     value="vuoto"
87     ((ciclo++))
88 done < $file_input
89
90
91
92
93
94
95 #Script per conversione txt-csv del avm
96 #!/bin/bash
97
98
99 file_input=$1
100 file_output=avm${file_input:3:10}_1.csv
101
102 timestampd=""
103 timestamp1=""
104 timestamp=""
105 byte1=""
106 byte2=""
107 byte3=""
108 byte4=""
109 byte5=""
110 byte6=""
111 byte7=""
112 byte8=""
113 byte9=""
114 byte10=""
115 byte11=""
116 byte12=""
117 byte13=""
118 byte14=""
119 byte15=""
120 byte16=""
121
122 timestampd="TIMESTAMP"
123 doors="DOORS"
124 line="LINE"
125 shift="SHIFT"
126 dest="DEST"
127 current="CURRENT"
128 vehicle="VEHICLEID"
129
130 mkdir ${file_input:3:10}
131
132 echo $timestampd ";" $doors ";" $line ";" $shift ";" $dest ";" $current ";" $vehicle
133 > ${file_input:3:10}/${file_output}
134
135 vehicle="vuoto"
136
137 while read var1
138 do
139
140     if echo $var1 | grep --quiet "0x0030"; then
141     #echo "primo if"
142     byte1=`echo ${var1:36:2}`
143     byte2=`echo ${var1:39:2}`
144     byte3=`echo ${var1:41:2}`

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144 byte4=`echo ${var1:44:2}`
145
146 timestamp1=`echo $byte4$byte3$byte2$byte1`
147 timestampd=`echo $((0x${timestamp1}))`
148
149 byte5=`echo ${var1:47:2}`
150 doors=`echo $byte5`>> $file_output
151 vehicle="vuoto"
152 fi
153
154 if echo $var1 | grep --quiet "0x0040"; then
155 byte1=`echo ${var1:36:2}`
156 byte2=`echo ${var1:39:2}`
157 byte3=`echo ${var1:41:2}`
158 byte4=`echo ${var1:44:2}`
159 byte5=`echo ${var1:47:2}`
160 line=`echo $byte1$byte2$byte3$byte4$byte5`
161 fi
162
163 if echo $var1 | grep --quiet "0x0050"; then
164 byte1=`echo ${var1:9:2}`
165 byte2=`echo ${var1:11:2}`
166 byte3=`echo ${var1:14:2}`
167 byte4=`echo ${var1:16:2}`
168 shift=`echo $byte1$byte2$byte3$byte4`
169
170
171 byte5=`echo ${var1:19:2}`
172 byte6=`echo ${var1:21:2}`
173 byte7=`echo ${var1:24:2}`
174 byte8=`echo ${var1:26:2}`
175 byte9=`echo ${var1:29:2}`
176 byte10=`echo ${var1:31:2}`
177 byte11=`echo ${var1:34:2}`
178 byte12=`echo ${var1:36:2}`
179 byte13=`echo ${var1:39:2}`
180 dest=`echo $byte5$byte6$byte7$byte8$byte9$byte10$byte11$byte12$byte13`
181
182 byte14=`echo ${var1:41:2}`
183 byte15=`echo ${var1:44:2}`
184 byte16=`echo ${var1:46:2}`
185 fi
186
187 if echo $var1 | grep --quiet "0x0060"; then
188 byte1=`echo ${var1:9:2}`
189 byte2=`echo ${var1:11:2}`
190 byte3=`echo ${var1:14:2}`
191 byte4=`echo ${var1:16:2}`
192 byte5=`echo ${var1:19:2}`
193 byte6=`echo ${var1:21:2}`
194 current=`echo $byte14$byte15$byte16$byte1$byte2$byte3$byte4$byte5$byte6`
195 fi
196
197 if echo $var1 | grep --quiet "0x0070"; then
198 byte1=`echo ${var1:9:2}`
199 byte2=`echo ${var1:11:2}`
200 vehicle=`echo $byte2$byte1`
201 fi
202
203
204 if [ $vehicle == "vuoto" ]; then
205 echo "errore"
206 else
207 echo $timestampd ";" $doors ";" $line ";" $shift ";" $dest ";" $current ";"
208 $vehicle >> ${file_input:3:10}/${file_output}
209 fi
210
211 vehicle="vuoto"
212
213 done < $file_input
214
215 sed 's/^\M//g' ${file_input:3:10}/${file_output} >
216 ${file_input:3:10}/avm${file_input:3:10}.csv

```