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1 <!DOCTYPE RULES PUBLIC "-//BECOMM//DTD Rules V0.9//EN" '' [  
2   <!ENTITY LOCALIP "10.1.1.103">  
3   <!ENTITY REMOTEIP "10.1.1.25">  
4 ]>  
5  
6  
7 <RULES>  
8   <DESCRIPTION xml:lang="en">audioplayerapp.rule</DESCRIPTION>  
9  
10  <RULE>  
11    <DESCRIPTION xml:lang="en">  
12      StringsAudioPlayer: MP3 to PCM  
13    </DESCRIPTION>  
14    <PREDICATE value="query:  
15      Content-Type=='audio/mp3' AND  
16      Application-Id=='StringsAudioPlayer'"/>  
17    <ROUTE>  
18      <STEP>  
19        <BEAD name="mp3decoder"/>  
20        <EDGE name="decode"/>  
21        <SEED value="namespace:Content-Type='audio/pcm'"/>  
22      </STEP>  
23    </ROUTE>  
24  </RULE>  
25  
26  
27  <RULE>  
28    <DESCRIPTION xml:lang="en">  
29      StringsAudioPlayer: Fan-out PCM (sync)  
30    </DESCRIPTION>  
31    <PREDICATE value="query:  
32      Content-Type=='audio/pcm' AND  
33      Application-Id=='StringsAudioPlayer' AND  
34      Fanout"/>  
35    <ROUTE>  
36      <STEP>  
37        <BEAD name="fanout"/>  
38        <EDGE name="decode"/>  
39        <SEED value="namespace:MasterClock=sampleclock:"/>  
40      </STEP>  
41    </ROUTE>  
42  </RULE>  
43  
44  
45
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46
47
48 <!-- *****
49 This rule configures the 0th branch of Fanout to be the
50 master.
51 ***** -->
52 <RULE>
53 <DESCRIPTION xml:lang="en">
54 StringsAudioPlayer: Master Fanout Branch (sync)
55 </DESCRIPTION>
56 <PREDICATE value="query:
57 Content-Type=='audio/pcm' AND
58 Application-Id=='StringsAudioPlayer' AND
59 Fanout AND
60 MasterClock AND
61 Fanout/Index==0"/>
62 <ROUTE>
63 <STEP>
64 <BEAD name="clocksync"/>
65 <EDGE name="master"/>
66 </STEP>
67 </ROUTE>
68 </RULE>
69
70
71 <!-- *****
72 This rule configures the non-0th branches of Fanout to be a
73 slave.
74 ***** -->
75 <RULE>
76 <DESCRIPTION xml:lang="en">
77 StringsAudioPlayer: Slave Fanout Branch (sync)
78 </DESCRIPTION>
79 <PREDICATE value="query:
80 Content-Type=='audio/pcm' AND
81 Application-Id=='StringsAudioPlayer' AND
82 Fanout AND
83 MasterClock AND
84 Fanout/Index!=0"/>
85 <ROUTE>
86 <STEP>
87 <BEAD name="noop"/>
88 <EDGE name="noop"/>
89 <SEED value="namespace:RenderClock=sampleclock:"/>
90 </STEP>
```

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91     </ROUTE>
92 </RULE>
93
94
95
96
97
98
99 <!-- *****
100      This rule configures the PCM payout to the local host.
101      ***** -->
102 <RULE>
103     <DESCRIPTION xml:lang="en">
104         StringsAudioPlayer: Fan-out branch to local speaker (sync)
105     </DESCRIPTION>
106     <PREDICATE value="query:
107         Content-Type=='audio/pcm' AND
108         Application-Id=='StringsAudioPlayer' AND
109         Fanout AND
110         Target-Device AND
111         MasterClock AND
112         RenderClock AND
113         Target-Device=='&LOCALIP;:8080://Speaker'"/>
114     <ROUTE>
115         <STEP>
116             <BEAD name="audiosync"/>
117             <EDGE name="decode"/>
118         </STEP>
119         <STEP>
120             <BEAD name="speaker"/>
121             <EDGE name="encode"/>
122         </STEP>
123     </ROUTE>
124 </RULE>
125
126
127 <!-- *****
128      This rule configures the PCM payout to the remote host.
129      ***** -->
130 <RULE>
131     <DESCRIPTION xml:lang="en">
132         StringsAudioPlayer: Fan-out branch to remote speaker (sync)
133     </DESCRIPTION>
134     <PREDICATE value="query:
135         Content-Type=='audio/pcm' AND
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136 Application-Id=='StringsAudioPlayer' AND
137 Fanout AND
138 Target-Device AND
139 MasterClock AND
140 RenderClock AND
141 Target-Device=='&REMOTEIP;:8080://Speaker'"/>
142 <ROUTE>
143   <STEP>
144     <BEAD name="clocksync"/>
145     <EDGE name="masterencode"/>
146   </STEP>
147   <STEP>
148     <BEAD name="framer"/>
149     <EDGE name="encode"/>
150   </STEP>
151   <STEP>
152     <BEAD name="TCP"/>
153     <EDGE name="Encode"/>
154     <SEED value="namespace:
155       Network-Port-Remote=9002,
156       Network-Address-Remote=ipv4:&REMOTEIP;,
157       Network-Port-Local=0,
158       Network-Address-Local=0"/>
159   </STEP>
160   <STEP>
161     <BEAD name="IP"/>
162     <EDGE name="Encode"/>
163   </STEP>
164 </ROUTE>
165 </RULE>
166
167 </RULES>
168
```