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Subject: Update....

Posted by [mikeaudet](#) on Thu, 19 May 2022 15:00:55 GMT

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Hi Everyone,

It's been tough to make progress this year, but I'm finally getting traction. I've just started testing a version of the PSCL that is designed to work with jBridge. For those who haven't used jBridge, it allows a 32 bit host to connect with 64 bit VST files. I just started testing it with some 64 bit Waves plugins. So far, so good. The updated PSCL has a low priority thread that checks for jBridge processes and moves them off the CPU used by the PARIS application. This way, we can run 64 bit VSTs on all but one available CPU cores, while not running into the thread-safety issues in the PARIS application.

jBridge can be found here:

<https://jstuff.wordpress.com/jbridge/>

My next move is to work on the kernel driver (scherzo.sys). I bought a new ASUS motherboard with a PCI slot, and the driver does not work with this new board. The new board uses a I/O MMU, which is a new thing for PCs. I suspect that this is the problem, but I'll know more next week. An I/O MMU puts the PCI bus behind a memory controller that has to be programmed in order to allow PCI cards to access main memory. It's an extra level of indirection put in place for security reasons. The driver was not designed for this kind of thing.

I still haven't gotten the EV security certificate. The eventually rejected by documents that were signed by a justice of the peace. It's completely insane. An accountant or a lawyer will do just fine, but a judge can't be trusted. It's nuts. I'm going to go see a notary after I get the kernel driver updated. I only get a year on the certificate, so I think it makes sense to wait until I have this next phase done.

That's all I have to report for now.

All the best,  
Mike

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## File Attachments

1) [PARIS\\_with\\_Waves.jpg](#), downloaded 6248 times

Edit     Functions     Settings     EQ     Aux     Tracks     Automation

|  |  |  |  |   |   |   |   |   |   |   |
|--|--|--|--|---|---|---|---|---|---|---|
| <input type="checkbox"/> BYPASS<br><input checked="" type="checkbox"/> Abbey Road<br><input checked="" type="checkbox"/> CLA-2A Ster<br><input checked="" type="checkbox"/> dbx-160 Ster | <input type="checkbox"/> BYPASS<br><input checked="" type="checkbox"/> <<<<<<<<<<<<<<< | <input type="checkbox"/> BYPASS<br><input checked="" type="checkbox"/> IR-L full Ste | <input type="checkbox"/> BYPASS<br><input checked="" type="checkbox"/> <<<<<<<<<<<<<<< | <input type="checkbox"/> BYPASS<br><input type="checkbox"/> | <input type="checkbox"/> BYPASS<br><input type="checkbox"/> | <input type="checkbox"/> BYPASS<br><input type="checkbox"/> | <input type="checkbox"/> BYPASS<br><input type="checkbox"/> | <input type="checkbox"/> BYPASS<br><input type="checkbox"/> | <input type="checkbox"/> BYPASS<br><input type="checkbox"/> | <input type="checkbox"/> BYPASS<br><input type="checkbox"/> |
| EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF   | EQ 1 OFF  | EQ 1 OFF  | EQ 1 OFF  | EQ 1 OFF  | EQ 1 OFF  | EQ 1 OFF  | EQ 1 OFF  |
| Hz<br>20 1000 20   | Hz<br>20 1000 20   | Hz<br>20 1000 20   | Hz<br>20 1000 20   | Hz<br>20 1000 20  | Hz<br>20 1000 20  | Hz<br>20 1000 20  | Hz<br>20 1000 20  | Hz<br>20 1000 20  | Hz<br>20 1000 20  | Hz<br>20 1000 20  |
| dB<br>0.0  | dB<br>0.0  | dB<br>0.0  | dB<br>0.0  | dB<br>0.0   | dB<br>0.0   | dB<br>0.0   | dB<br>0.0   | dB<br>0.0   | dB<br>0.0   | dB<br>0.0   |
| BW<br>1.5  | BW<br>1.5  | BW<br>1.5  | BW<br>1.5  | BW<br>1.5   | BW<br>1.5   | BW<br>1.5   | BW<br>1.5   | BW<br>1.5   | BW<br>1.5   | BW<br>1.5   |
| ALL EQ   | ALL EQ   | ALL EQ   | ALL EQ   | ALL EQ  | ALL EQ  | ALL EQ  | ALL EQ  | ALL EQ  | ALL EQ  | ALL EQ  |
| EQ ON  | EQ ON  | EQ ON  | EQ ON  | EQ ON   | EQ ON   | EQ ON   | EQ ON   | EQ ON   | EQ ON   | EQ ON   |
| OPEN   | OPEN   | OPEN   | OPEN   | OPEN  | OPEN  | OPEN  | OPEN  | OPEN  | OPEN  | OPEN  |
| L 100  | R 100  | L 100  | R 100  | L 100   | R 100   | L 100   | R 100   | L 100   | R 100   | L 100   |
| SOLO MUTE  | SOLO MUTE  | SOLO MUTE  | SOLO MUTE  | SOLO MUTE   | SOLO MUTE   | SOLO MUTE   | SOLO MUTE   | SOLO MUTE   | SOLO MUTE   | SOLO MUTE   |
| 1  | 2  | 3  | 4  | 5   | 6   | 7   | 8   | 9   | 10  | 11  |
| 0.0  | 0.0  | 0.0  |  |   |   |   |   |   |   |   |
| REC  | REC  | REC  | REC  | REC   | REC   | REC   | REC   | REC   | REC   | REC   |

IR-L A: Hall - 1 (Full Reset)

Full CPU

Name: Hall - 1  
 Type: Concert Hall  
 Date: 24 Mar 2004  
 SR: 96000Hz -> 44100Hz  
 Emitter: Genelec S30D

|              | Original | Current |
|--------------|----------|---------|
| Convolution: | 1.85s    | 1.85s   |
| RT60:        | 1.4s     | 1.4s    |
| Channels:    | 4        | 4       |
| Size:        | 11267    | 11267   |
| Distance:    | 13m      | NA      |

0.000Sec 2.000Sec

Reverb Time

Conv. Start: 0.000s  
 Conv. Length: Full

Latency: 11ms

Dry/Wet: 100

Direct: Off

Output: 0.0

Pre-delay: 0.0

-2.8 -2.6

Transport: [Untitled Project]

00:01:48:16.6 SMPTE  
 00:00:00:00.0 SMPTE

P M S L 0