

CPU Efficiency

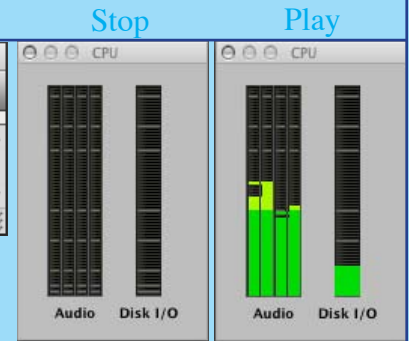
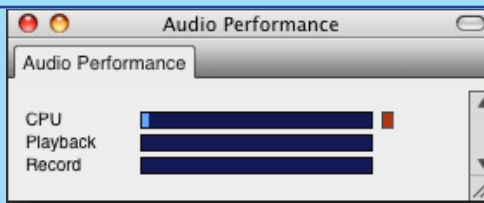
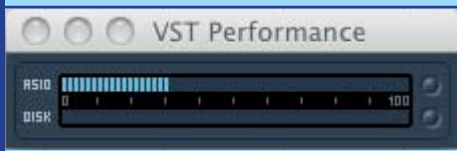
Fixed number* of plug-ins, progressive reduction of buffer size

Cubase 5

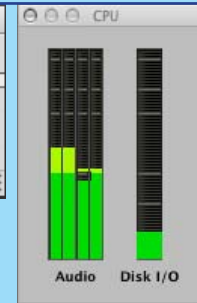
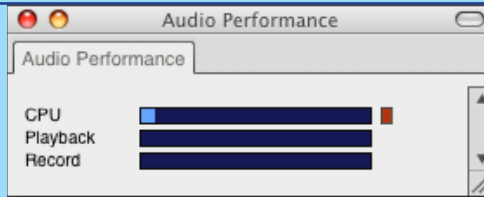
Digital Performer 6

Logic 8

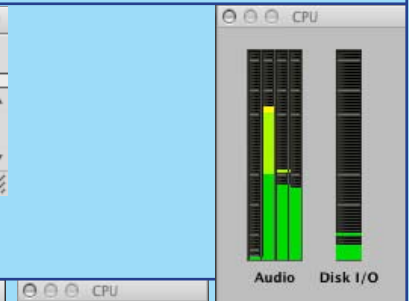
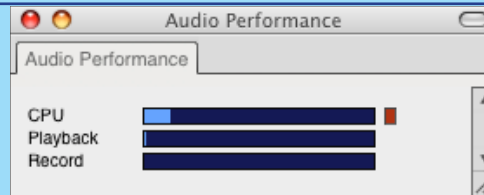
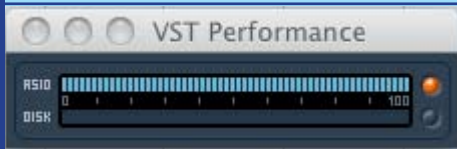
1024



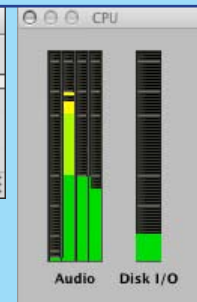
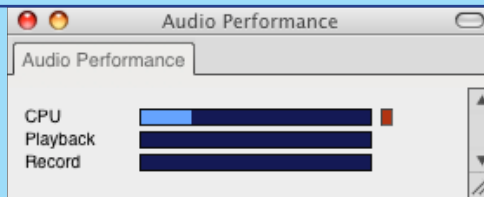
512



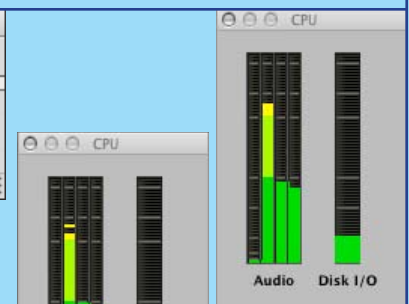
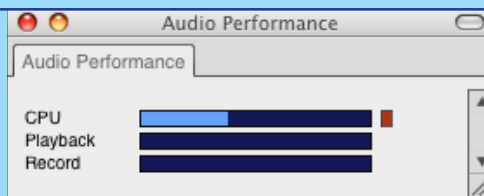
256



128

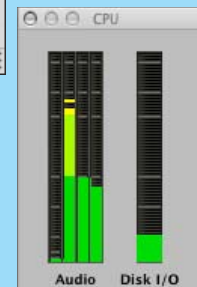


64



* 39 instances of PSP Neon HR (Fat off)

32

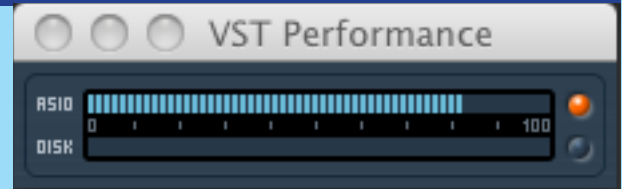


CSeYE, 2009

Buffer set at 1024, PSP Neon (Fat On) inserted until clipping.

PSP Neon was repeatedly loaded into all insert slots per channel strip until clipping occurred. Not a real-world scenario, but it does offer insight into how a given DAW handles the stress.

41 instantiations before clipping



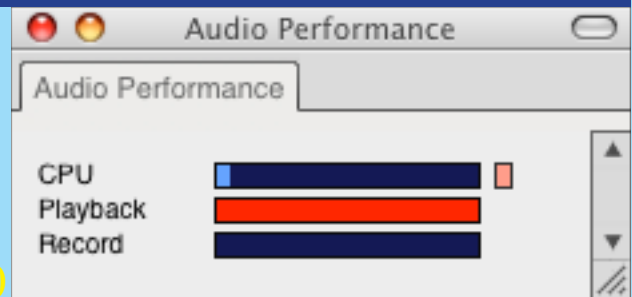
90 instantiations before clipping. (Pre-generation) on.



21

Overload warnings started appearing at 21 instantiations. *Continue* playback resumed without further disruption.

90



30 instantiations before clipping



Test system:
Xeon Mac Pro
OSX 10.5.6
5 GB RAM
7200 rpm Seagate SATA hard drives
CSeye, 2009