TASCAM's **GigaStudio 4** includes iMIDI rules which can be used to update older libraries for increased features. TASCAM licensed the Repetition and Legato rules from Vienna Symphonic Library® so that you could access these features without using the VSL Performance Tool. Here's how to adapt a legato instrument from VSL's First Edition or Pro Edition library.

Legato Programming

1. Navigate to one of your VSL legato instruments. These instruments have the words "PERF-LEGATO.gig" at the end of their names. Right click on it and select "Open with GigaEditor"

2. When the instrument loads, you'll see a bunch of folders on the bottom left hand corner. There will be seperate folders for mezzo forte, forte, etc. Right click on one of them and select "Export all sample folders." Give it a location to export to.
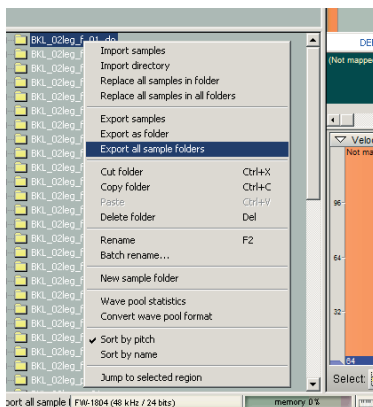
3. Switch back to the Windows explorer and look at the folders you saved. You'll see that the legato samples are arranged by interval skip. The sample that moved to that note from 3 half steps below is called "03_up." You'll have 1-12 up and 1-12 down, often in several variations. For instance, the solo cello from the Pro Edition created forte, piano and glissando forte folders. You'll also see the sustain sample (named "sus_mp" or something like that) and the release sample folder labeled "RS".

4. Switch back to GigaEditor. Close that instrument and make a new one by clicking the little page icon in top left corner.

5. Drag the sample folders for the instrument you want to create from Windows into the folder area. It's easier to create individual GIG instruments instead of one big instrument when starting out. In my case I want to make a forte legato cello. so I drag in all 24 of the up and down folders for forte, a sustain sample and a release sample, for a total of 26 folders.

6. Your new instrument should only have articulation in the top left quarter of the window, called "0 Untitled." Make sure that instrument is selected. Click the Wizard Hat button for the New Instrument Wizard. Name the instrument in Step 1 and then click Next.

7. Select "Make a region per sample" and click next. (You don't have to worry about the range for now.)

8. In Step Three of the Wizard, check "reserve space for stereo" in the bottom right corner. Select "Smart MIDI processor" in the first column, 32 in the second column and name it Legato in the third.
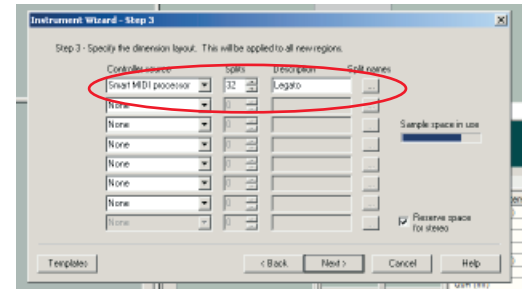
9. Click on the "State Names" button and enter these field names:

   1-12 should be up1 through up12

   13-16 aren't used, call them whatever
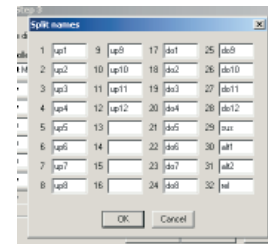
   17-28 are down1 through down12

   29 is sus

   30 is sus alt1, if you have a repetition sample to use

   31 is sus alt2

   32 is release

10. When you're done with the above, close the fields window and click next for step 4. Now you'll see a list of all the sample folders you dragged in in the left column and a list of the state names you just made on the right. Click the first folder and assign it to a state (do1 = down1, etc), and continue until you've filled all of them. Assign the sustain sample to all three sustains and the release sample. When you're done, click finish.

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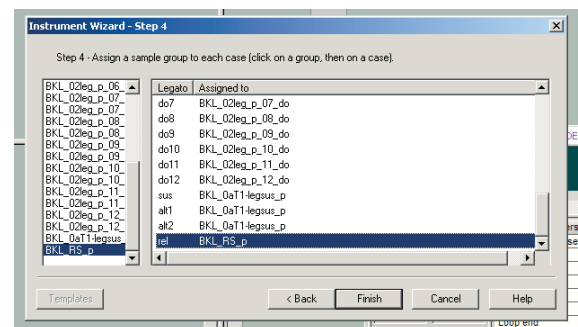
11. Load the sample in GigaEditor by clicking the arrow pointing to the GS above your instrument. You'll be prompted to save and name your instrument before it loads.

12. Right click on the instrument (the trumpet in the top left field) and select "iMIDI Rule Manager."

13. In the iMIDI rule manager, select "Legato (mono) mode selection" and accept the defaults.
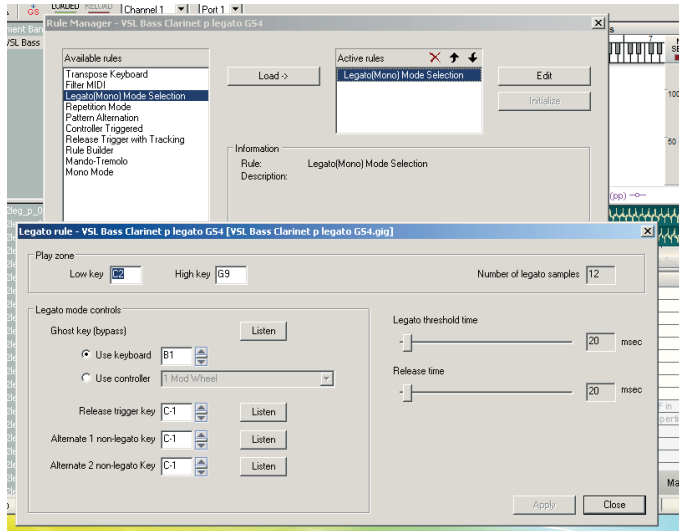
Once you're finished, save the instrument and it's ready to load into GigaStudio 4 without using the VSL Performance Tool.

You might want to convert the wave pool to 24-bit and apply the DEF filter to add dynamics to your sample. You can also use the iMIDI Round-robin rule to convert your VSL Repetition rule instruments. See the other iMIDI tutorial ("GigaStudio 4 iMIDI Tutorial") for information on those techniques.