

# How to use the tripletise tool.

## Introduction

When importing a midi file that contains triplets, NWC doesn't convert these back into triplet notation, often leaving messy approximations of the triplet rhythm. The tripletise tool is used to convert simple occurrences of these rhythmic sets back into a triplet.

## Example

Let's say someone created a piece called triplets, which looked like this:



and then exported it to midi. (Yes, we all know that strictly, the 3 on the 16<sup>th</sup> notes should be a 6 – let's just get on with it).

NWC then imports the file, and using the default settings for note and rest resolution, we get something like this:



Note the first rhythm.

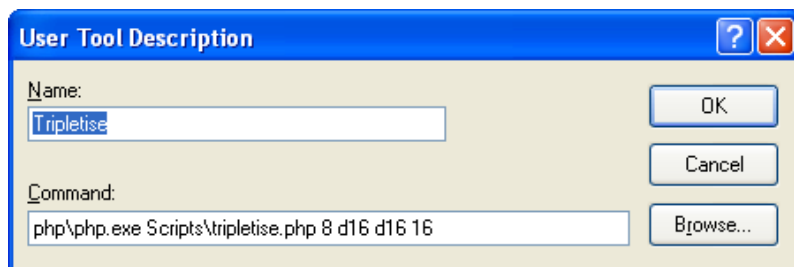
Dotted-16<sup>th</sup> dotted-16<sup>th</sup> sixteenth.

To convert this to a triplet of eighths, the tripletise pattern would be

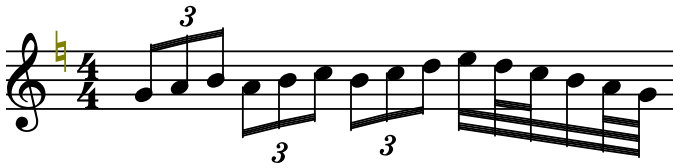
8 d16 d16 16,

where the initial 8 indicates our target of triplet eighth notes, and d16 d16 16 is the shorthand used by the tool to describe the matching rhythmic pattern.

Having pressed Alt-F8 and either New to create a new tool, or Edit to edit an existing one, the dialog to define the tool might look like this:



We then run this tool, giving the following result.



All we need to do is fix the 16<sup>th</sup> note triplets.

We can see (hopefully), that the final run is supposed to be a sextuplet (well, two triplets) of 16<sup>th</sup> notes. We note that the triplet currently consists of 16<sup>th</sup>-note, 32<sup>nd</sup>-note, 32<sup>nd</sup>-note

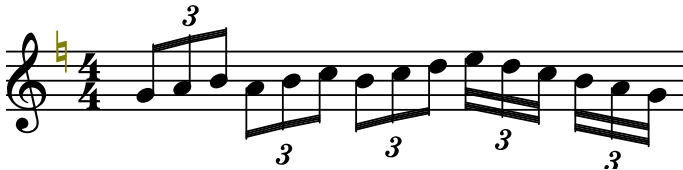
So the new parameters are 16 16 32 32

(ie the first 16 indicates that our destination is a triplet of 16<sup>th</sup> notes, and the pattern of 16<sup>th</sup>, 32<sup>nd</sup>, 32<sup>nd</sup> is what we're going to convert).

If we edit the previous Tripletise command, and change the *Command* to be

```
php\php.exe Scripts\tripletise.php 16 16 32 32
```

and then run it, hopefully it will now look like this:

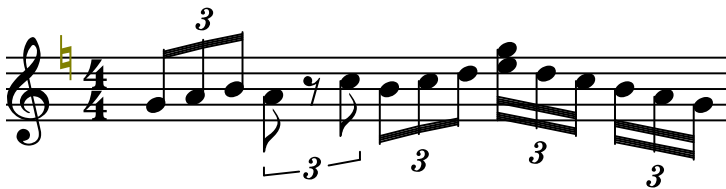


The reason why this tool doesn't do all this automatically is that users may be wanting to import using a different note resolution or rest resolution. This changes what the patterns would look like in NWC once a midi file has been imported.

For instance, say we had a piece that had a rest in the middle of the second triplet, and wanted preserve it, so we import the midi file using sixty-fourth note resolution and sixteenth rest resolution which gives us a staff that looks like this:



Icky, eh? Note the ties. We use a trailing t in our shorthand to describe them. Tripletising using 8 16t 64 d16 16t 64 and 16 d32 32 d32 gives:



Magic, eh? ☺