



Tenuto

The Operating System for Musical Intent

v2.0 Infrastructure Protocol

Music technology is lost in translation.

THE VISUAL TRAP (MusicXML)

Optimized for pixels.

THE MECHANICAL TRAP (MIDI)

0x90	0x3C	0x64	0x80	0x3C	0x00
0x90	0x40	0x5A	0x80	0x40	0x00
0x90	0x43	0x70	0x80	0x43	0x00
0x90	0x3E	0x64	0x80	0x3E	0x00
0x90	0x42	0x5A	0x80	0x42	0x00
0x90	0x45	0x70	0x80	0x45	0x00
10010000	00111100	01100100			
10000000	00111100	00000000			
10010000	01000000	01011010			
10000000	01000000	00000000			
10000000	01000000	00000000			
10010000	01000011	01110000			
10000000	01000011	00000000			

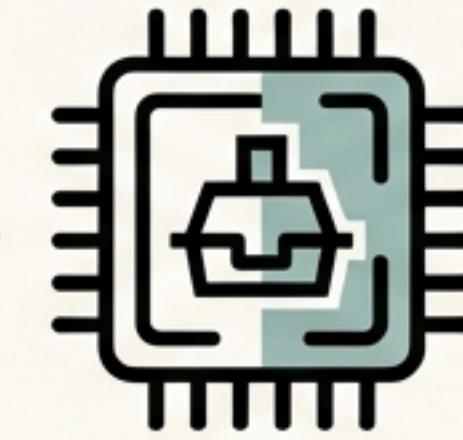
Optimized for keypresses.

We force humans to speak machine code.



Composer's Intent

Phrasing Breath Physics



Digital Audio Workstation

Note On Note Off Velocity

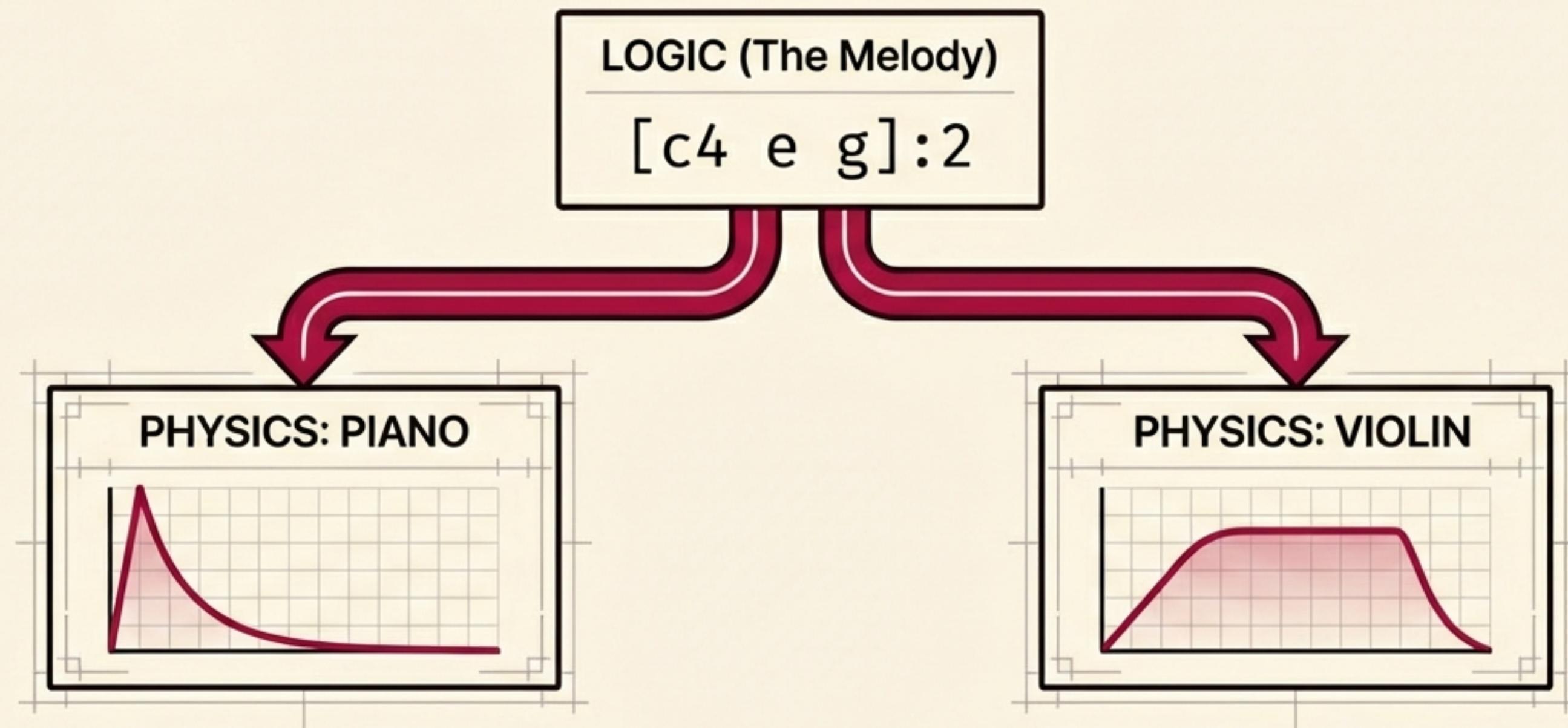
“MIDI treats a violin like a piano.
It captures the trigger, but loses the soul.”

Declarative. Physics-Based. Human-Readable.

```
tenuto { ← Protocol Container
    // Define the physics
    def violin "Violin I" ← Physics Definition

    // Define the logic
    measure 1 {
        violin: c4:4 d e f | ← Musical Intent
    }
}
```

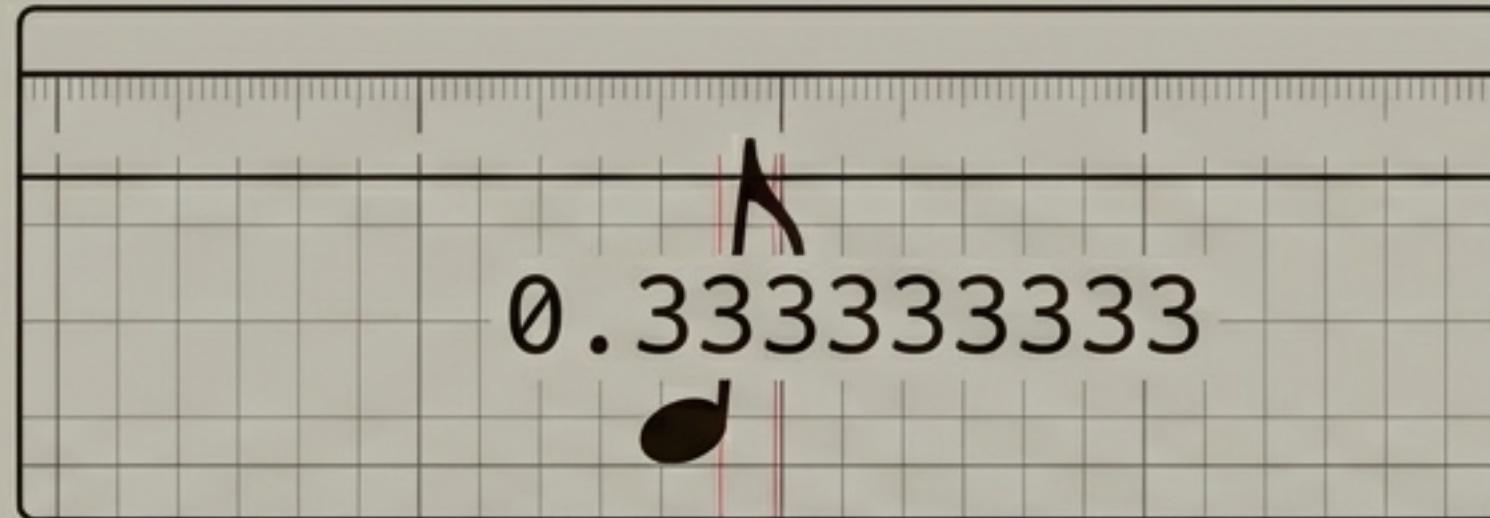
Write once. Orchestrate everywhere.



The logic remains pure. The physics handle the constraints.

Time is not a float. It is a ratio.

Standard Software (Floating Point)



Micro-timing
Drift

Tenuto Engine (Rational Math)

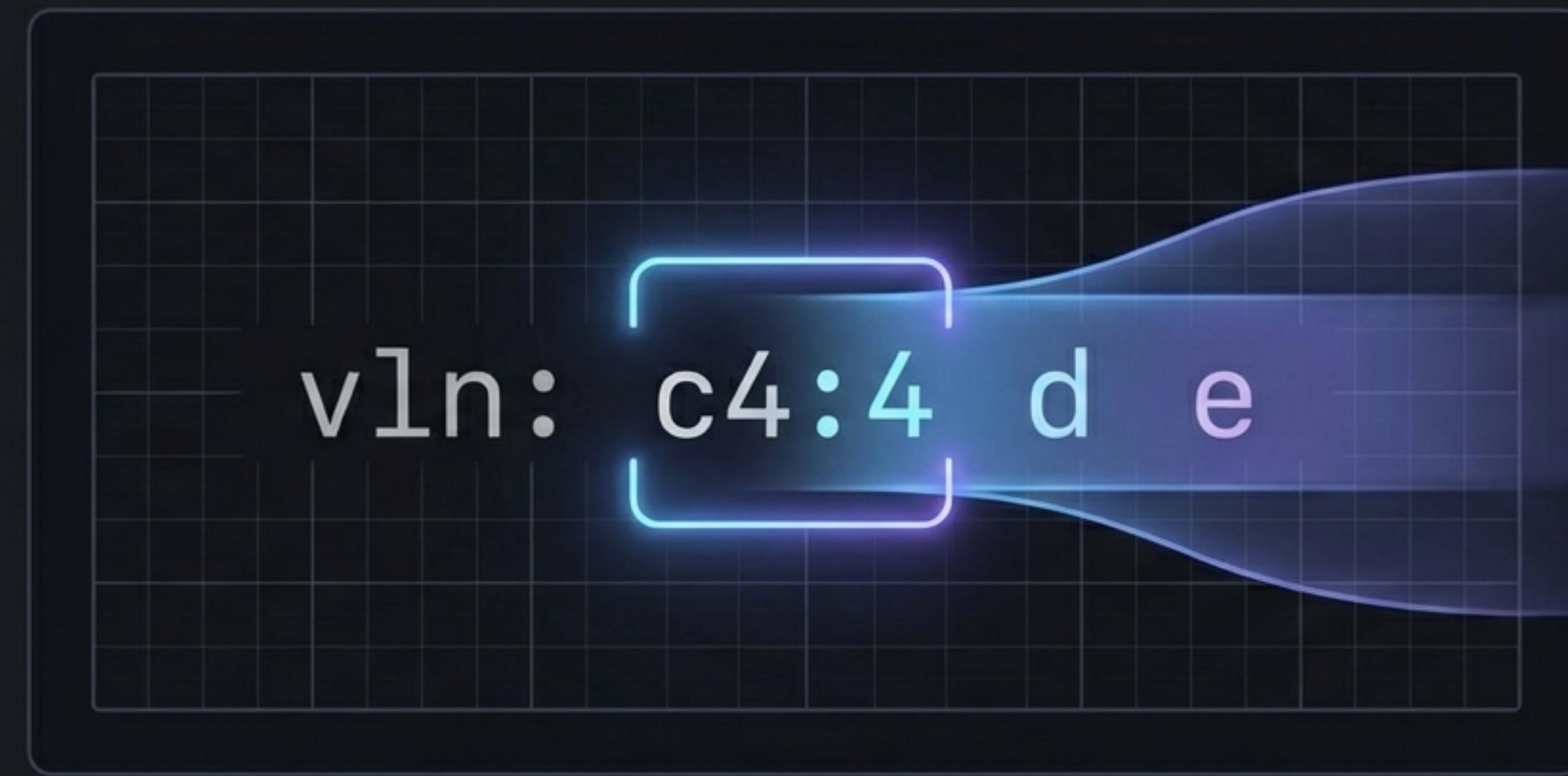


Absolute Precision



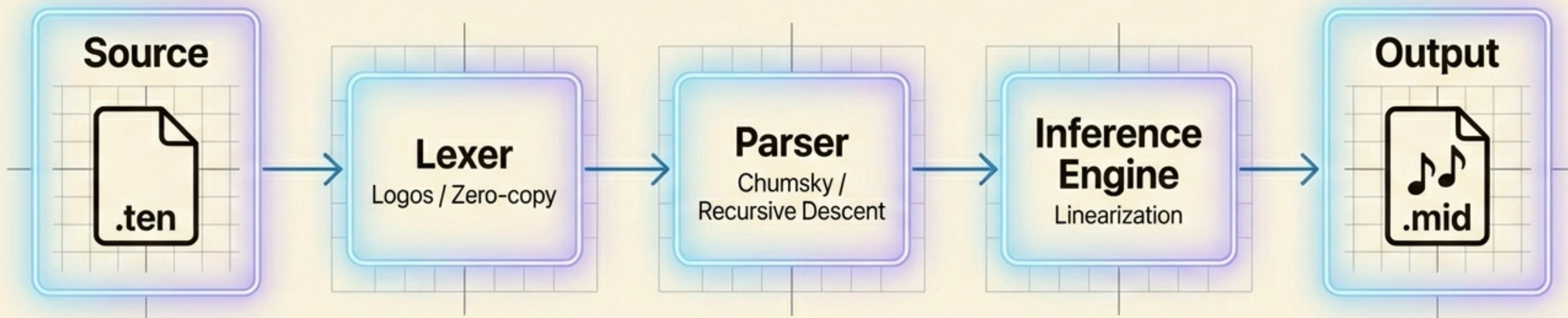
Powered by
Rust + num-integer

Context aware. Just like a musician.



Sticky State: Parameters persist until changed, reducing file bloat by 40%.

Built in Rust. Safety and speed by default.



Compiler Version: 2.0.0 | Edition 2021 | Memory Safe

Shipped. Tested. Ready.

```
user@studio:~/music$ tenutoc --input example.ten
> Reading "example.ten"...
    ✓ Phase 1: Lexing Complete (24 tokens)
    ✓ Phase 2: Parsing Complete.

    ✓ Phase 3: Linearization Complete.
        Title: "Symphony No. 1"
        Tempo: 120 BPM
    ⌂ Saved MIDI to "example.mid"
```

From File Format to Development Environment.



The 'PDF' of Music.

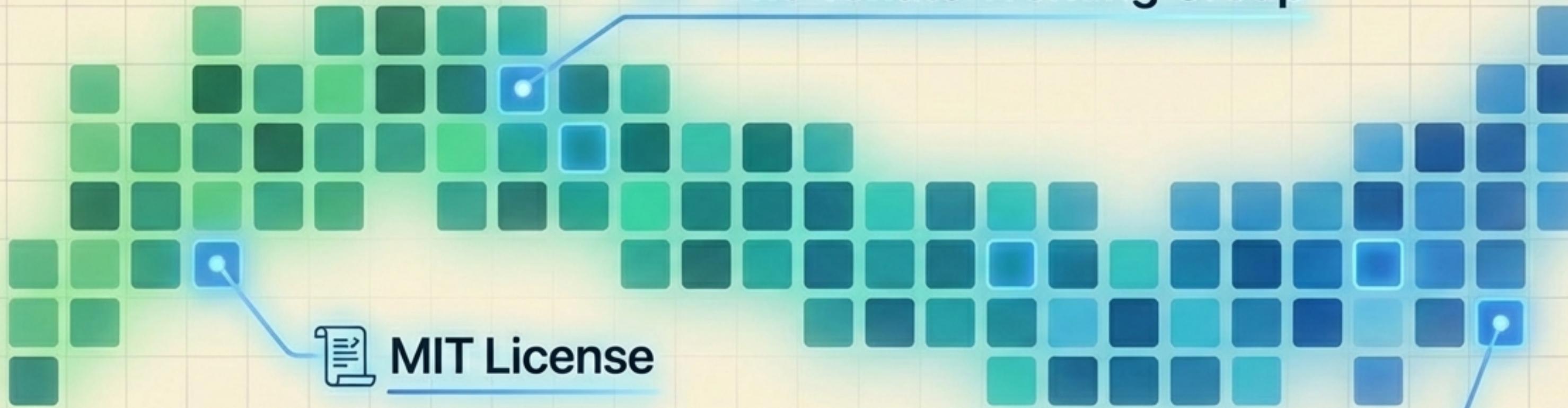


The standard for Intent. Build once, deploy to any endpoint.

Open Governance. Community Driven.



Maintained by
The Tenuto Working Group



Rust Ecosystem Native

Enterprise Grade Reliability. Open Source Adoption.

Deep Tech for High Art.



Reliability

Rust / Rational Math



Expressiveness

Declarative DSL



Scale

The Platform Shift

Help us set the standard.

Alec Borman

Lead Maintainer

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Reference Compiler v2.0 available now at github.com/tenuto

tenuto