



## NEWSLETTER

Welcome to our quarterly Chronicle Software newsletter!

In the last quarter, we launched and celebrated our first in-person product roadmap event! We had a great time meeting our clients and industry peers, and thank everyone for their interest in our event.

Due to the full-house and great feedback, we're now looking at extending our product roadmap virtually across EST and APAC timezones. More on that below.

Regarding product updates, we're pleased to be expanding our multi-language offering across a range of our products to cater to diverse technical teams whilst delivering high performance. Chronicle Queue is also now natively supported on Linux ARM64.

And finally, in our latest technical articles, we explore how to optimise CPU performance and how Chronicle Wire can be used to support TCP/IP interconnections - you can read more below.

### Product Roadmap Event



Chronicle's Product Roadmap Event, held on June 7th, was filled with discussions addressing the shortage of skilled developers, greater use of cloud and our latest product updates.

If you didn't get a chance to attend, you can access our presentation material on our online portal - login [here](#).

Please do reach out if you have any questions!

Due to the great feedback, we will be hosting a virtual version of our product roadmap across APAC and EST timezones. You can click the button below to submit your interest and we'll make sure to kept you up to date.

EVENT UPDATES

## Event Highlight Video



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## Chronicle Product Updates

## Chronicle Queue | Linux ARM64

Chronicle Queue is now natively supported on Linux ARM64. Based on a RISC design philosophy, ARM processors provide high performance while consuming relatively low power.

All the major cloud providers now offer ARM servers, and there has been growing interest in ARM-based servers in the Enterprise server market. Alongside this, the use of ARM technology in Apple Silicon has generated complementary demand for ARM64 support when running Linux within a VM on macOS.

The table below shows Chronicle Queue for Linux ARM64 and other platforms available to download:

	Linux		macOS	
	x86_64	arm64	x86_64	arm64
Java	✓	✓	✓	✓
C++	✓	✓	On Request	✓
Rust	✓	✓	On Request	On Request
Python	✓	On Request	✓	✓

[CLICK HERE TO LEARN MORE](#)

To access these files and download Chronicle Queue, please visit our Chronicle Portal (or click the image below):

Chronicle SOFTWARE

Download Learn Contact Admin Help Roger

### All Files

/ queue / C++ / linux

Search

File Name	Size	Modified
arm64	Folder	June 22, 2023
x86_64	Folder	June 22, 2023

NOTE: All products accessed through our Portal require a license key to run. To obtain a license please click the button below.

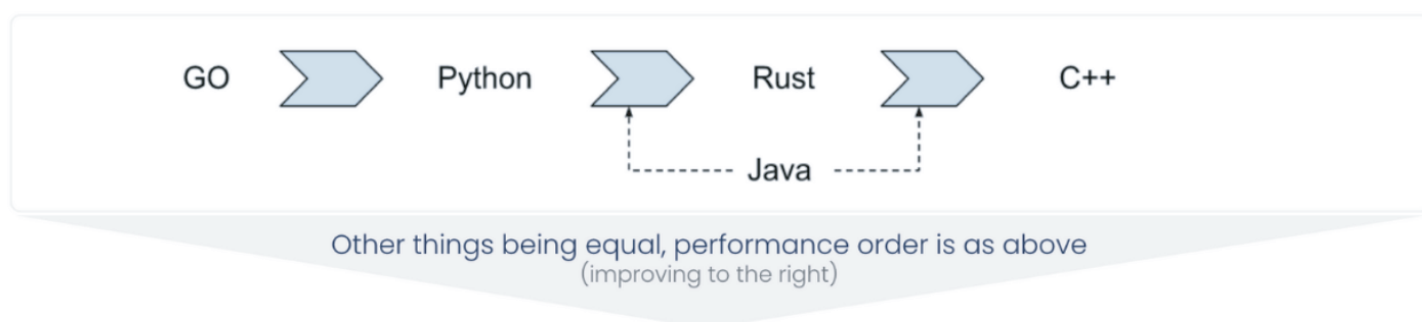
Get License Key

## Multi-Language Support | Eliminate Compatibility Issues

Typical businesses mix their tech teams, and use a mix of languages for different purposes:

- Java, C++, or Rust for low-level development
- And higher level languages such as Python and Go for more business-oriented users

Yet outright performance remains a key metric across the industry - the image below shows the relative performance across our products, with C++ providing lowest latencies and jitter, followed by Rust and Java:



### RUST

Approaches C++ performance.

2 sources of overhead:

- Runtime checks
- FFI boundary

### RUST OVERHEAD

Benchmarks show overhead well contained at ~50ns

### C++

The core C++ library delivers very strong performance with especially well controlled outliers

### FOUNDATION

Provides a strong foundation for different language bindings

To ensure seamless interoperability and to cater to diverse technical teams, we've expanded our multi-language offering across a range of our products:

Product	Java	C++	Python	Rust	Go
Queue	Yes	Yes	Yes	Yes	POC
Ring Zero	Yes	Yes		TBC	
MDD	Yes	Yes		TBC	
Matching Engine	Yes	TBC		In Development	

Request a demo in the language and product of your choice below:

[FREE DEMO](#)



# Release Notes

Want to stay up-to-date with product releases?

**Chronicle-BOM: 2.24ea66** Sign Up:

[View on maven central](#)

**chronicle-fix: 4.24ea3**

RELEASE NOTES

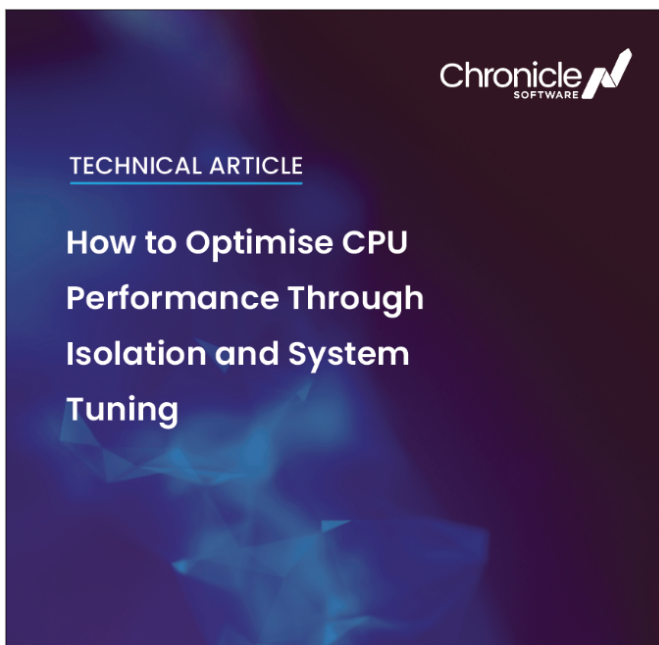
- Queueless FIX hangs when getting resend request [#1777]
- Speed up Router tests [#1775]

## Latest Blogs and Tutorials

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What are the challenges of tuning your system for optimal performance, and how can Chronicle Tune help? Click image to read.

George Ball explores how Chronicle Wire can be used to support TCP/IP interconnections between components. Click image to read.



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