

CIRRO

Hoptroff Time as a Service



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Hoptroff Time-as-a-Service (TaaS)

Hoptroff Time-as-a-Service (TaaS) delivers resilient, traceable, and ultra-precise time and frequency as a managed service for mission-critical infrastructures. Built on Hoptroff's sovereign atomic clock technology, TaaS provides assured time independent of GNSS, public networks, or external authorities.

Designed for organizations that depend on trusted time—such as financial markets, critical national infrastructure, telecoms, defense, and data centers—Hoptroff TaaS removes the complexity of owning and operating precision timing systems while delivering guaranteed performance and compliance.

Key Capabilities

Guaranteed Precision

Continuous delivery of high-stability time and frequency, traceable to atomic standards.

GNSS-Independent Resilience

Operates autonomously without reliance on GPS or other satellite systems, protecting against jamming, spoofing, and outages.

Sovereign & Trusted Time

Provides cryptographically secured and auditable time sources suitable for regulated and national-security environments.

Managed Service Model

Fully maintained, monitored, and supported by Hoptroff, including lifecycle management, upgrades, and performance assurance.

Flexible Integration

Delivered on-premises, at the edge, or within private networks, with standard interfaces for seamless integration into existing systems.

Benefits

- Eliminates capital expenditure and operational burden of in-house timing infrastructure
- Enhances operational resilience and cyber-physical security
- Supports regulatory compliance and auditability
- Scales easily across distributed sites and infrastructures
- Ensures continuity of operations during GNSS or network failures

Use Cases

- High-frequency and regulated financial trading
- Telecommunications network synchronization

- Critical infrastructure and utilities
- Secure data centers and cloud environments
- Defense, intelligence, and national security systems
- Hoptroff Time-as-a-Service transforms time from a fragile dependency into a trusted, resilient utility—delivered as a service, assured by design.