

options

Time-as-a-Service



TaaS With Options - Making Compliance Easy

As industry specialists we understand the need for accurate and precise time. Time infrastructure lives at the heart of the Options extranet, with high-precision oscillators and dedicated clock functionality built into every switch.

Accurate and precise time synchronization is an essential component of the financial markets ecosystem, promoting a fair trading environment and ensuring best execution across the board. We meet that need and all of our clients' regulatory obligations (e.g. MiFID II & Reg NMS) through a diverse and fully resilient PTP infrastructure.

Our best-practice time design guarantees that every hosted server is directly connected to a PTP boundary clock, and from there connects back to the nearest GPS-source grandmaster time server in an unbroken chain of PTP clocks. For clients consuming Ultra Low Latency services, we additionally provide access to the raw PPS signal for maximum precision.

PTP Grandmaster

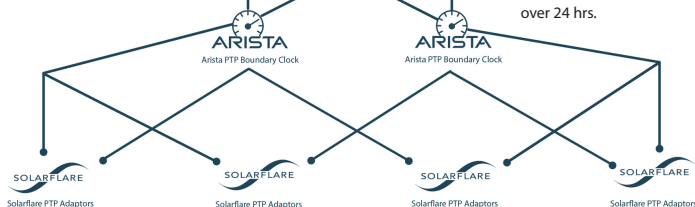
- A pair of Meinberg Grandmasters with high performance oscillators (OCXO) offers excellent hold-over capabilities. In free running mode over 24 hrs we can expect a drift of only 10 μ s ($\pm$ 4.5 μ s).



- Options delivers highly redundant, high performance PTP-based time service.

A dedicated roof-mounted antenna acquires a GPS/GLONASS-based time signal.

- We deploy the Solarflare Enhanced PTP daemon (sfptpd) that offers advanced PTP-specific features.



- Our Arista switching layer are able to operate as Boundary Clocks and allow us to suffer a complete loss of signal or Grandmasters and still maintain a holdover value of only 41 μ s over 24 hrs.

KEY FACTS



Sub-1 μ s Accuracy



Monitoring & Reporting Services, Tempus



Available Within All Global Points of Presence



Compliance & Regulatory Adherence



High Performant, Fully Resilient Infrastructure



24x7x365 Global Support



About Tempus



Custom Built in-house Tool



Detects & Reports Gaps



Automated Compliance Reports

Tempus Bespoke Monitoring Producing Detailed Reports for Audit

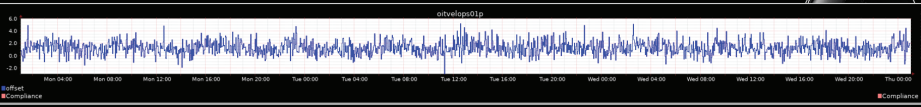


Tempus Monitoring

Tempus

	Parent Switch	GrandMaster	Compliance	Out of Compliance Periods	Total Time Out of Compliance	Percent	
	swtvlpg01p	001c73ff2c2f2bc	optme01p	1000ms	0	0 seconds	100%
	swtvlpg01s	444ca0ff081b0d5	optme01s	1000ms	0	0 seconds	100%

100%



Managed Services with Options



Scale Easily Across Global Locations



Services Delivered to a Tier-1 Standard



Cost-effective, Best-in-class Technology Wrapped Within a Single SLA Under One Single Term

SPEAK TO OUR SPECIALISTS TODAY: COLOSALSALES@OPTIONS-IT.COM