

# **Hoptroff Traceable Time as a Service (TTaaS<sup>®</sup>)**

Precision Timing for the Virtual World

**Simon Kenny, CEO, Hoptroff**

# Traceable Time = Clean Application Timestamps

- Software applications rely on the local device clock for timing
- If left unsynchronised, device clocks drift – fast & slow – which means timestamps in applications are frequently wrong, so sequence and interval in application chains will also be wrong
- To generate accurate and traceable timestamps – “Clean” application timestamps – you need to synchronize device clocks with a trusted source so they can prove they are true
- Traceable Time as a service (TTaaS) provides traceable time as a network service:
  - Network time feed from cloud grandmaster clocks
  - PTP software client that steers the local device clock and keeps logs
  - Application timestamps have a “Clean” sequence and interval –trusted variable for AI to use

# Hoptroff Global Timing Network



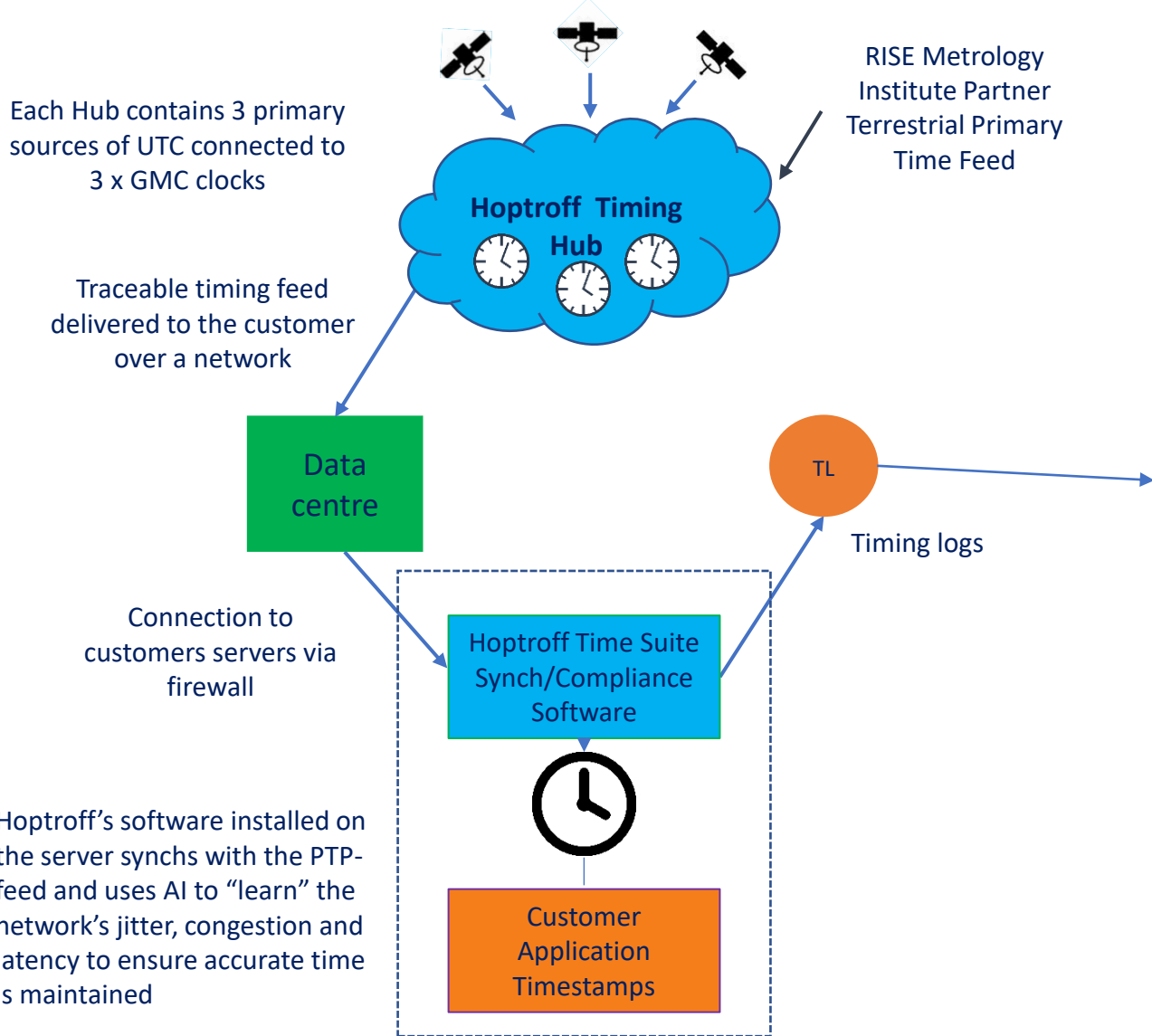
Hoptroff TTaaS® Timing Hubs in London, New York and Tokyo enable us to resiliently deliver time to any major data centre in the world



Hoptroff has a terrestrial connection to the RISE Research Institute of Sweden's Stratum 0 time source that contributes to UTC as UTC(SP).

Equipment installed by RISE at the Hoptroff London timing hub monitors the accuracy of our Grandmaster Clocks, providing independent traceability back to the National Metrology Institute of Sweden.

# What is TTaaS®?



Hoptroff’s software installed on the server synchs with the PTP-feed and uses AI to “learn” the network’s jitter, congestion and latency to ensure accurate time is maintained



**Customer Monitoring & Compliance**  
 Time Suite Enterprise integrates with Splunk to enable the customer to manage and monitor performance and to **generate their own compliance reports**

# Thank You

[www.hoptroff.com](http://www.hoptroff.com)

**Contact:**

**Email:** [simon.kenny@hoptroff.com](mailto:simon.kenny@hoptroff.com)

**Phone:** [+44 \(0\)20 7837 8520](tel:+442078378520)