



# Monitoring Time Sensitive Networks

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The Global Leader in Resilient PNT  
Providing the world's most critical applications real-time, accurate,  
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Safety, Security and Reliability



# SYNCHRONIZING TIME SENSITIVE NETWORKS (TSN)



## Serving Many Industries

### Aerospace and Defense

- Secure Networks
- Command and Control
- Radars and Communication Systems
- Electronic Warfare

### Public Safety

- Police / Fire Comm
- 911 Call Centers

### Datacenters

- Sync for distributed processing
- Critical infrastructure – utilities, carriers

## Specific Requirements for Financial Networks

### Monitoring needs to be scalable

- Small to large networks
- Global, distributed

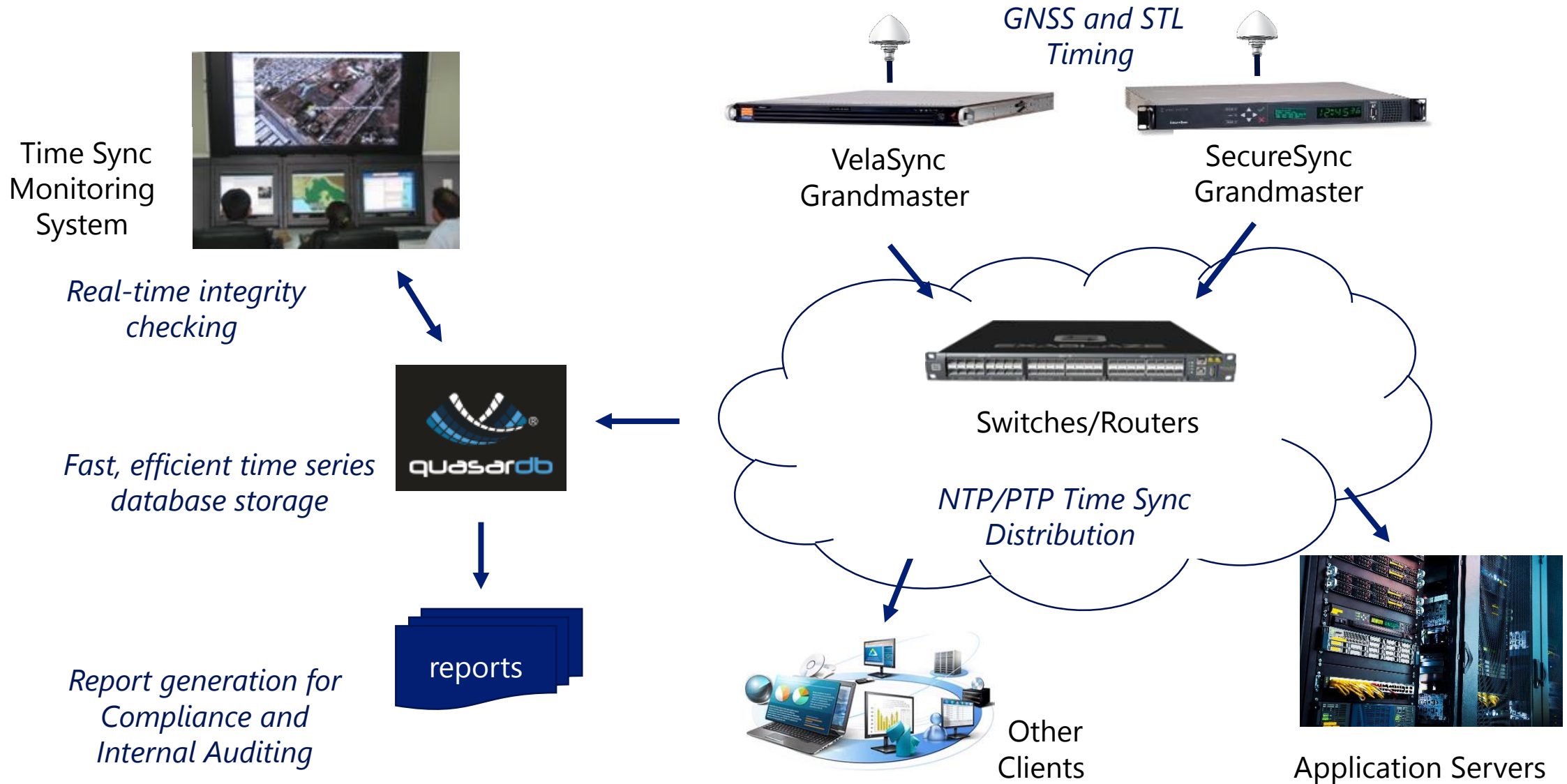
### Reporting is Critical

- Precise reporting of all data
- Data integrity / health checking
- UTC Traceability and threshold reporting for **MiFID II** and **FINRA** regulatory requirements

### Hefty fines for non-compliance

- Log files as evidence

# MONITORING TIME SENSITIVE NETWORKS



# COMPLIANCE WITH MIFID AND FINRA



## Real-Time Reporting

Highly scalable low-latency time series database from **quasardb** generates reports in seconds rather than hours.

Compliance threshold alerts



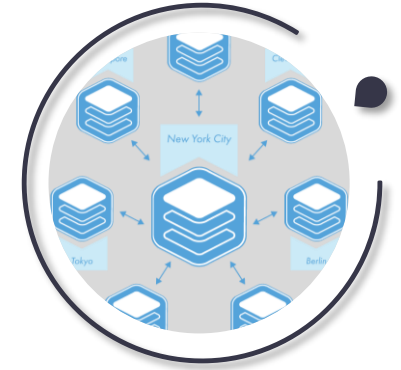
## True UTC Traceability

Full traceability to UTC from the client application, through the network switches, through the grandmaster time servers to the ultimate UTC source – GPS and USNO, monitored and logged for future evidence.



## Log Tampering Prevention

Log files will be used as evidence of compliance to regulations. Breach of those regulations can involve hefty fines so the logging must be verifiable and irrefutable.



## Multisite Replication

Both USA and European regulations require storage of all logs for 5 years and must be able to produce details when requested. Logs are where you need them when you need them.

Thank you!



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For more information,  
please tick our box  
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