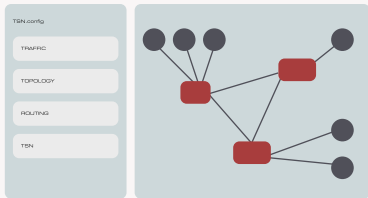


**TSN.configurator** is a comprehensive tool for **designing, verifying, and configuring** TSN-compliant devices — ensuring the required timing and reliability QoS.

**TSN.configurator** automates **Time-Sensitive Ethernet** network setup, from routing to advanced features like **scheduling and redundancy**. It ensures compliance through mathematically verified configurations and supports seamless multi-vendor integration.

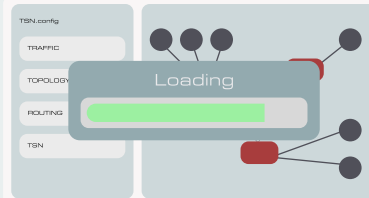
01



## MODELLING

Define network topology and streams in the IDE or via an API.

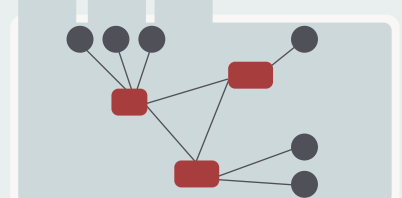
02



## CONFIGURATION

The configuration of the devices is generated.

03



## NETWORK DEPLOYMENT

The configuration is deployed e.g. over NETCONF.

## KEY FEATURES

- **“Push-button”** approach and user-friendly interface to simplify and speed-up network configuration,
- **Comprehensive Traffic Flow Modeling:** Wizards guide users through the detailed definition and characterization of traffic flows and their specific requirements,
- **Automated Network Configuration:** Produces deployment-ready configurations that prevent resource over-provisioning,
- **Provides firm guarantees** that packets timing constraints are met: latencies, delays and throughput,
- **Enables proper buffer dimensioning** to prevent data loss,
- **Support for TSN QoS Mechanisms:** Includes automated configuration for IEEE standards such as 802.1AS, 802.1ASdm, 802.1Qav, 802.1Qbv, 802.1Qbu, 802.1Qci, and 802.1CB,
- **Support for legacy Ethernet** traffic and network devices,
- **Support for multi-vendor equipment** and device specific constraints via a hardware description language,
- **Support for IEEE and IETF YANG standards**, and deployment of configuration files over NETCONF,
- **API availability:** functionalities are also available through a Java library for integration into your own programs.

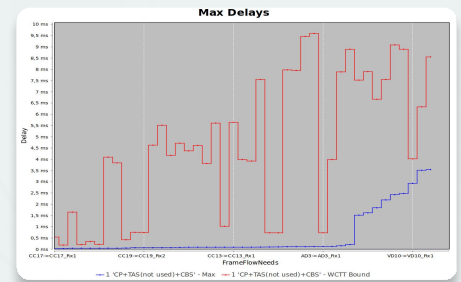
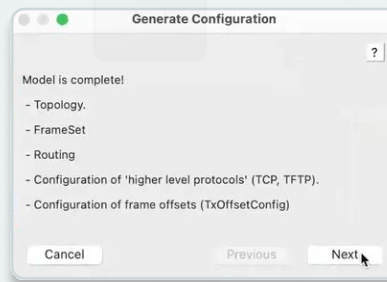
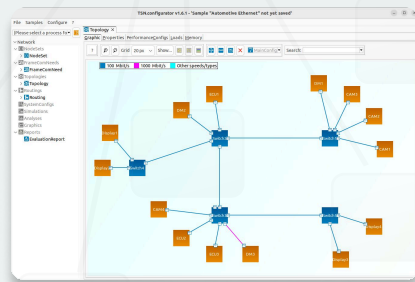
# Automated and Verified TSN Configuration

## Automated configuration deployment

TSN.configurator generates XML configuration files that fully comply with the standardized TSN YANG models, and automatically deploys them to the hardware via the NETCONF protocol.

## Proven in use

A specialized edition of TSN.configurator, tailored to the devices of our **partner SOC-E**, has been in production since 2021. TSN.configurator leverages the field-proven technologies behind RTaW-Pegase®, the industry-leading network performance evaluation tool for automotive and aerospace TSN networks.



## Comprehensive TSN Support

- Traffic Prioritization (IEEE 802.1p)
- Time Synchronization (IEEE 802.1AS & 802.1ASdm)
- Credit Based Shaper (IEEE 802.1Qav)
- Scheduled Traffic (IEEE 802.1Qbv)
- Frame Preemption (IEEE 802.1Qbu & 802.3br)
- Per-Stream Filtering and Policing (IEEE 802.1Qci)
- Frame Replication and Elimination for Reliability (IEEE 802.1CB)
- YANG datamodels (IEEE 802.1Qcp, 802.1Qcw, 802.1CBcv, 802.1ASdn, 802.1Qdx)

## Licensing terms

- Two licensing models:
  - Single-computer single-login license: the software is used on a single user account (i.e., login) on a single computer.
  - Floating license: allows multiple users on a network to share the same license, with no restriction on the number of different users.
- Includes perpetual license, 12 months of support and maintenance, and initial training.

## Technical requirements

- Windows (64bit, Win10 and Win11), Linux (64bit, Debian 9 and Ubuntu 16.04 and later), and OS X (64bit, v10.11 and later)
- Java21 or above
- At least a 4-core CPU and 8GB of RAM

**Get in touch with our experts now!**  
**And ask for demo or a free evaluation period**

[contact@realtimeatwork.com](mailto:contact@realtimeatwork.com)  
[www.realtimeatwork.com](http://www.realtimeatwork.com)

