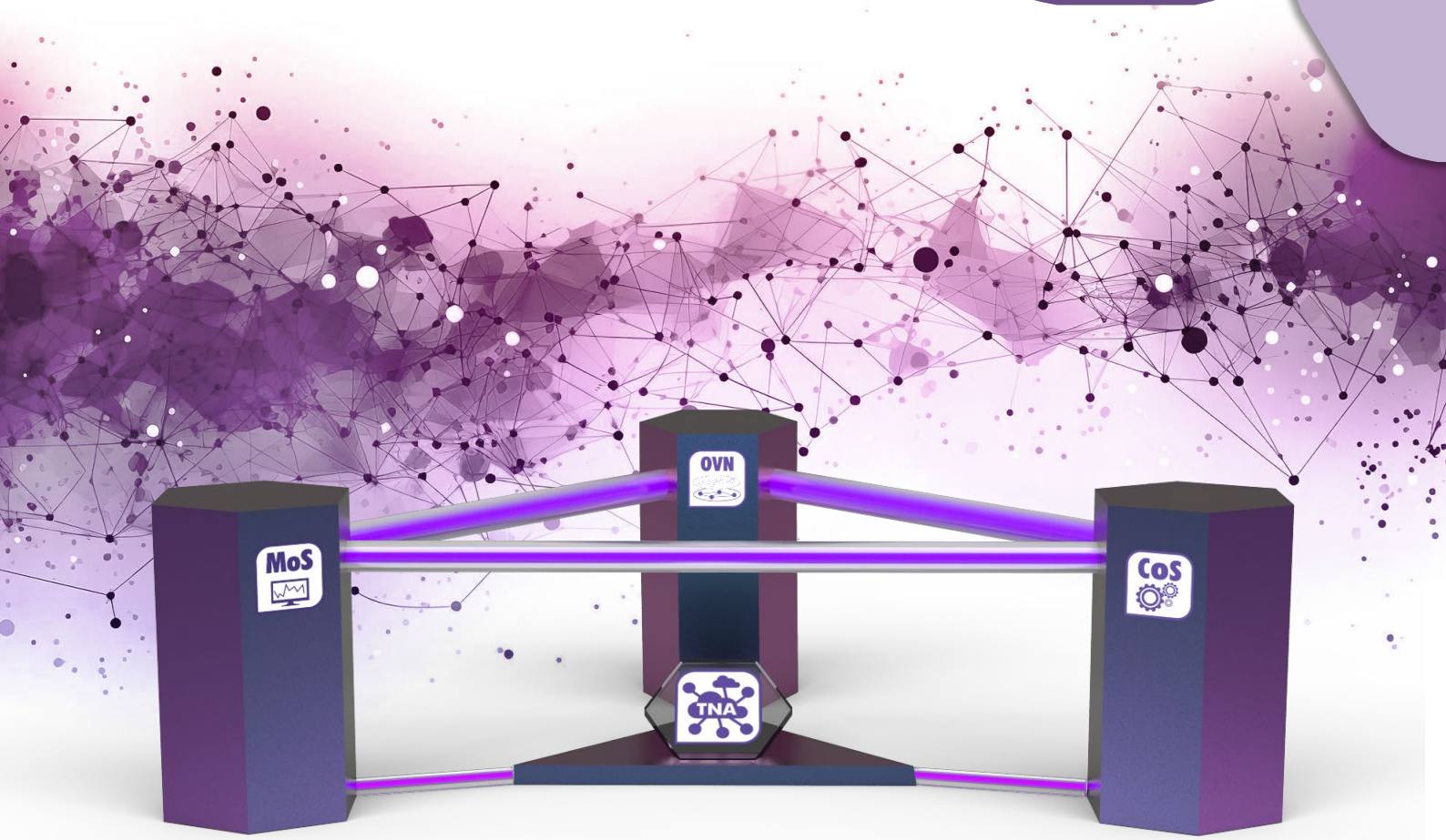
Tiesse
Innovation made in Italy®

Management and automation software



Suite software TNA - Tiesse Network Architecture

OVN

Modulo per la gestione di Overlay networks

OVN

Datasheet

WWW.TIESSE.COM

TNA

Tiesse Network Architecture

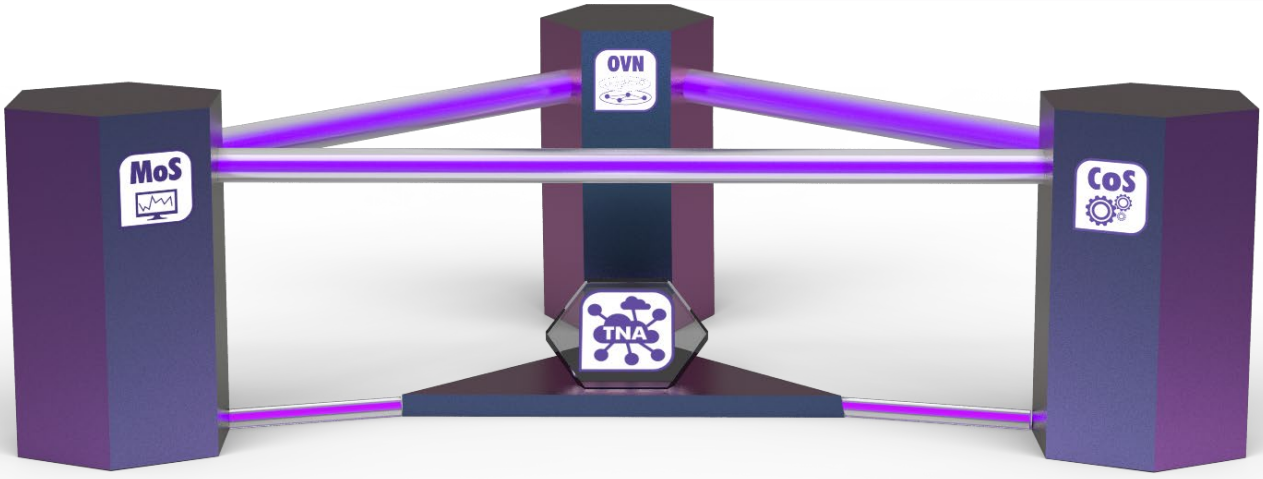
TNA is a distributed SD-WAN solution that gives you complete control over what happens on your network.

TNA (Tiesse Network Architecture) is the platform that gives you complete control over your network. Its main purpose is to enable the creation of a Zero Touch Provisioning network architecture and the monitoring of that network.
It allows you to:

- monitor devices and network status
- view aggregated data
- automatically manage configuration updates according to user-defined policies, triggers or information based on data from all devices.

Another feature of the TNA suite is the ability to perform traffic engineering functions in order to transparently select the link that best suits the performance requirements of the applications.
In addition, the TNA suite allows remote sites to be connected by dynamically creating an overlay network on the public Internet.
The TNA suite is a modular and flexible solution consisting of the following modules **MoS**, **CoS** and **OVN**.

OVN is the module that allows you to create and manage an overlay network on both public and private IP networks subject to NAT, used in the context of an SD-WAN solution.



MoS is the monitoring and analysis module that collects data relating to the behaviour and status of both the network and individual devices. It is capable of monitoring the data traffic of **over 400 applications**, measuring the quality of the links used, detecting any network congestion, and measuring router performance.
MoS also has a specific **Network Anomaly Detection** module.

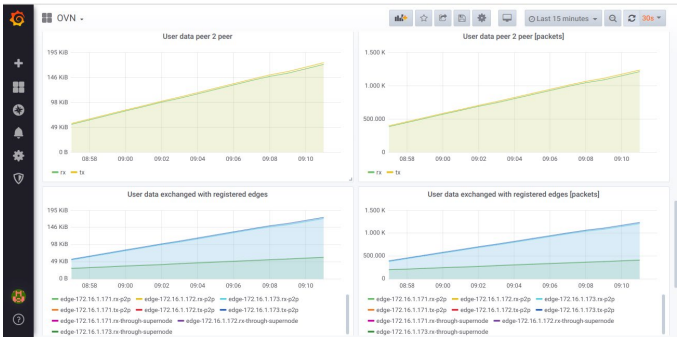
CoS is the module that allows you to centrally inventory, configure, maintain and update networks of remote routers and IoT devices, both on public and private IP networks.

OVN

Module for managing Overlay Networks

OVN (Overlay Virtual Network) is the ideal solution for creating secure, encrypted virtual networks, allowing routers to communicate across existing networks (public, private or NAT-enabled).
This technology offers a higher level of security, agility and scalability, significantly reducing costs compared to traditional solutions such as MLPS.

OVN can manage both Hub & Spoke and Full Mesh topologies.
It is based on standard protocols and can also create tunnels to concentrators from other manufacturers.
It manages Hub-and-Spoke Topology and Full-Mesh Topology.



The OVN module has been designed to achieve:

- **Security**
- **Agility**
- **Scalability**
- **Competitiveness**

And

High-cost reduction

Unlike more widespread solutions, such as MPLS and IPSec, which also require very expensive hardware, the Tiesse solution is much more economical and reduces usage/management/maintenance costs because it uses user-space tunnelling technologies and is based on general-purpose hardware (such as virtual machines or physical servers on the x86 platform), exploiting parallelism for OVN tunnel management.

Advanced monitoring

Integrated with TNA and Grafana®, the OVN module allows you to monitor nodes, data traffic and tunnel status, providing a comprehensive and detailed view of the network.

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Tiesse is a totally Italian company with more than 25 years of experience in the design, development and production of network equipment and IoT devices, suitable for use in mission-critical and industrial scenarios. Tiesse's most successful series, Imola, Lipari and Levanto, are innovative, competitive and certified, and are present in the networks of the major telecommunications operators, in the energy sector, large-scale distribution and vertical sectors, both in the Italian and foreign markets.

Further information on Tiesse solutions can be found on the company website www.tiesse.com.

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