

# NeltrackV2

Neltrack V2, a composite unique, secured & scalable platform designed and developed, for the Maritime, Oil & Gas and hard to reach Destinations in mind.

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# Evolution in Maritime IT Infra

The maritime industry has witnessed significant technological advancements and digital transformation over the years, leading to what can be described as the maritime IT evolution. These advancements have revolutionized the way ships operate, communicate, and manage their operations, resulting in improved efficiency, safety, and environmental sustainability. Let's explore the key stages and developments in the maritime IT evolution.

- Early Automation and Navigation Systems
- Integration of Satellite Communication
- Electronic Chart Display and Information Systems (ECDIS)
- Smart Vessels and IoT
- Big Data Analytics and Predictive Maintenance
- Cybersecurity and Data Protection
- Green Technologies and Environmental Sustainability

# Empowering the Future of Shipping Industry

The maritime industry has always been at the forefront of global trade and transportation. Over the years, technological advancements have played a vital role in enhancing efficiency, safety, and sustainability within the sector. The evolution of maritime IT has been a driving force behind these transformative changes, revolutionizing the way ships and ports operate and opening up new horizons for the industry's future.

- Digitization and Connectivity
- Automation and Robotics
- Big Data and Predictive Analytics
- Cybersecurity

The evolution of maritime IT has transformed the shipping industry, making it more efficient, connected, and sustainable. From digitization and connectivity to automation, big data analytics, cybersecurity, and blockchain, technology has revolutionized the way ships and ports operate. As the industry moves forward, the continued evolution of maritime IT will shape the future of shipping, enabling safer, greener, and more efficient global trade. **To meet these emerging Challenges OceanCloud™ is born**

# Netrack V2 Features

# Core Features

- Traffic Shaper
- Captive portal
  - Voucher support
  - Template manager
  - Multi zone support
- Forward Caching Proxy
  - Transparent mode supported
  - Blacklist support
- Virtual Private Network
  - Site to site
  - Road warrior
  - IPsec
- High Availability & Hardware Failover
  - Includes configuration synchronization & synchronized state tables
  - Moving virtual IPs
- Intrusion Detection and Inline Prevention
  - Built-in support for Emerging Threats rules
  - Simple setup by use of rule categories
  - Scheduler for period automatic updates
- Built-in reporting and monitoring tools
  - System Health, the modern take on RRD Graphs
  - Packet Capture
  - Netflow
- Support for plugins
- DNS Server & DNS Forwarder
- DHCP Server and Relay
- Dynamic DNS
- Backup & Restore
  - Encrypted cloud backup to Google Drive and Nextcloud
  - Configuration history with colored diff support
  - Local drive backup & restore
- Stateful inspection firewall
- Granular control over state table
- 802.1Q VLAN support

# Lobby

The lobby is the entrance to your (virtual) security appliance, where you can find your dashboard, change your password and end your session. After initial installation, this is the first place you will visit.

- [General User Interface](#)
- [Dashboard](#)
- [Password](#)