

# SnakeWall

## The intelligent solution to shipboard firewalling

### Cutting Edge

Uses AI to track content distribution networks

### Dynamic

Auto tracks a domain as it switches IP

### Contemporary

Configured in the cloud – access from anywhere

### Comprehensive

Set different rules for each LAN/WAN configuration

### Independent

Completely standalone from the shipboard network

### Easy

Pick an address – click allow or block

### Flexible

White list, black list or a combination

### Remote Control

Configured on board or from ashore

# SnakeWall

SnakeWall brings a ground-breaking approach to firewalling of shipboard networks.

Establishing, configuring and maintaining the firewall of a remote, globally mobile, shipboard IT network presents a challenge to any IT professional. Magnify that challenge by adding multiple LANs on board combined with a variety of WANs using satellite and terrestrial services to connect to the outside world. Then consider that a ship in mid-ocean has no qualified IT personnel on board and can't call the local IT shop to send someone round for support. It becomes a very special challenge indeed.

SnakeWall was launched precisely to meet that challenge. Designed and developed by an expert team with decades of experience in maritime IT, SnakeWall not only meets the challenge but goes beyond. SnakeWall deploys machine learning techniques that will automatically track the shifting targets on the internet of today whilst simultaneously simplifying the task of maintaining security of the IT on board.

### Independent

SnakeWall is hosted on the SnakeBox, SnakeWays smart shipboard device. As such the firewall service is completely independent of existing shipboard networks. SnakeWall does not require any installation on, or reconfiguration of, the ship's existing networks.

### Intelligent

SnakeWall deploys Artificial Intelligence to keep the shipboard firewall up to date. An increasing number of key services to the vessel, navigation updates, weather services, statutory notices, are making use of Content Distribution Networks to deliver their data. These can be extremely difficult to handle with traditional firewalling techniques.

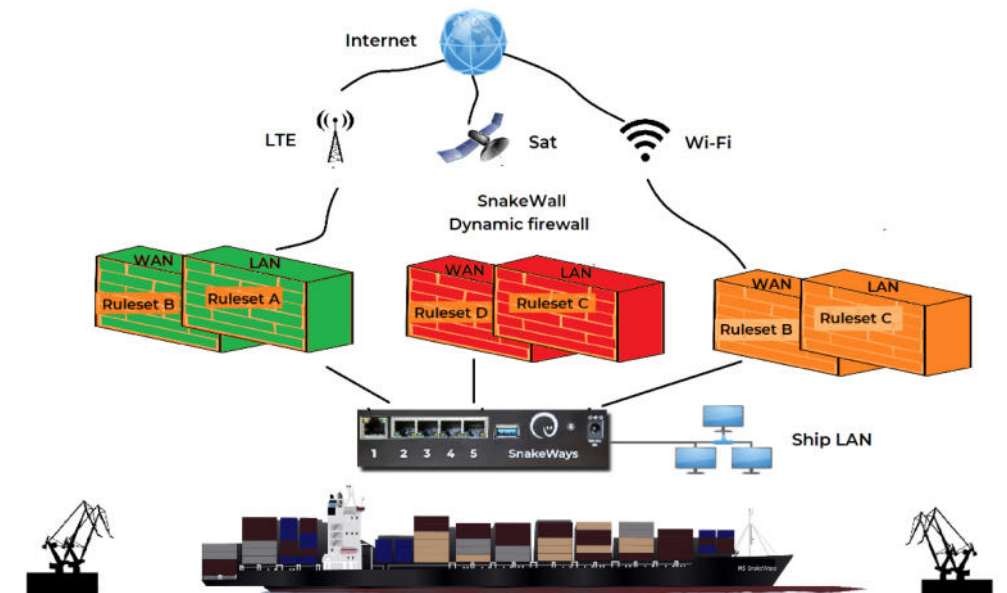
### Intelligible

SnakeWall is configured using pre-defined rulesets.

Each rule within a ruleset can be defined in everyday language using the domain name of the selected service. Knowledge of IP addressing, protocols, or port number allocation is not needed. SnakeWall comes with a number of rulesets pre-defined for commonly used maritime services.

### Infinite

Specifically designed for the marine environment, SnakeWall lets you configure separate rulesets for the multiple WAN and LAN connections on board and any combination of the two. An infinite number of combinations, Crew via Iridium, Ship's business via VSAT, Crew via 4G, can be configured and maintained by SnakeWall. The ability to blacklist services on the primary WAN/LAN whilst simultaneously whitelisting services on the secondary WAN/LAN is a unique feature of SnakeWall.



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