IDEAL TECH LABS

CASE STUDY

CLIENT

Tropical SHIPPING
COMMITTED TO ISLANDLIFE

Tropical Shipping
www.tropical.com

Domain Expertise

Terminal Operation System implementation, Integration, Configuration and Maintenance

Our Expertise

Sparcs N4, Groovy, EDI customization

Modules included

Sparcs N4 system, Groovy, Gate, Yard

CHALLENGE

There was an unsolved void in the vessel operations of Topical Shipping, as their major booking/yard activities was not operating with the fullest of capabilities:

- Stuff/Strip container
- Damage records
- Damage repair

The Gaps left behind by the legacy system had to be fixed with N4.

The whole process was toughened as access was granted only to the .Net legacy system's database for the booking operations/yard inspection, thereby cutting out beneficial resources

SOLUTION

- In the legacy side, the database triggered were written to call an API to send a SOAP request (constructed in API) to N4 which in turn called a groovy written in N4 to record damages.
- For stuff/strip container, database triggered were written to call an API to send a SOAP request (constructed in API) to N4 which in turn called a groovy written in N4 to stuff/strip the container.
- When N4 records a damage/repair and to communicate that with legacy, a groovy was written which would trigger on the event of damage/repair, to call an REST API to update the details directly with the legacy database.
- A groovy was written would trigger on the event of a damage/repair to call a REST API to update the details directly with the legacy database.

BENEFITS

- Human involvement was reduced drastically, which helped in reduction of the error rate of the whole process. Also, automation meant the whole process speeded up by 2x.
- Customizing N4 through Groovy has led to automatic recording of damages/repaired in Gate, Yard and in vessel.
- The increase in efficiency directly influenced the overall productivity which in turn set up a chain reaction, increasing scalability.