



Presented by





# Systems Synergy

Antonios Theofanopoulos

11/7/2023

Presented by





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# Antonios Panagiotis Theofanopoulos

## Manager, Professional Services

Antonios Theofanopoulos is Professional Services Manager at ABS WaveSight. In his role, he is managing the technical matters and team for Professional Services.

Antonios has 24+ years of experience in the software industry of which 19 in the maritime industry. Prior to joining ABS Nautical Systems, he worked with Ulysses Systems for 6 years as Global Support Manager. In 2012 he started as Senior Consultant located in ABS Piraeus office and led as Senior Consultant major projects in the EMEA region and worldwide. Since 2019 Antonios was relocated to Houston.

## Systems Synergy Agenda

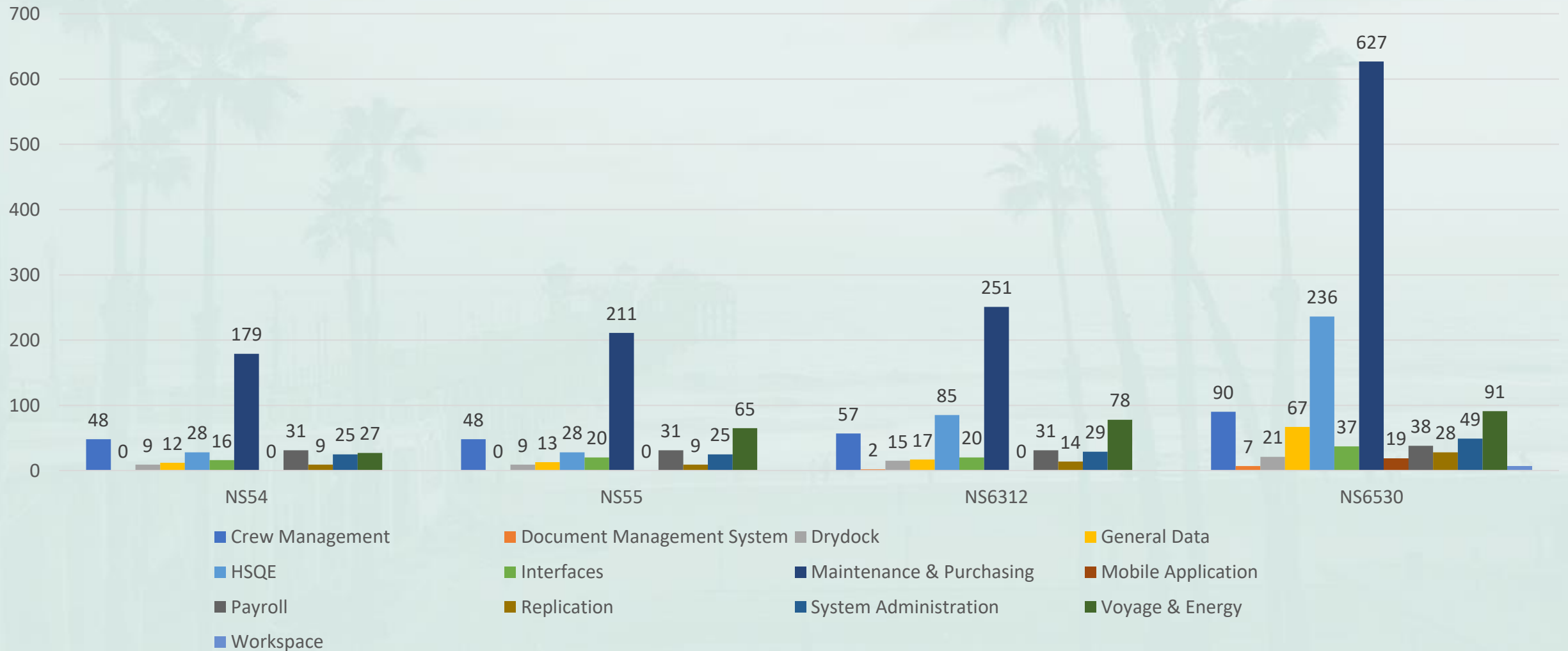
Version history	13:30 – 13:35
Upgrade process	13:35 – 13:50
Data Control Process	13:50 – 14:10
Tools	14:00 – 14:25

# Version history

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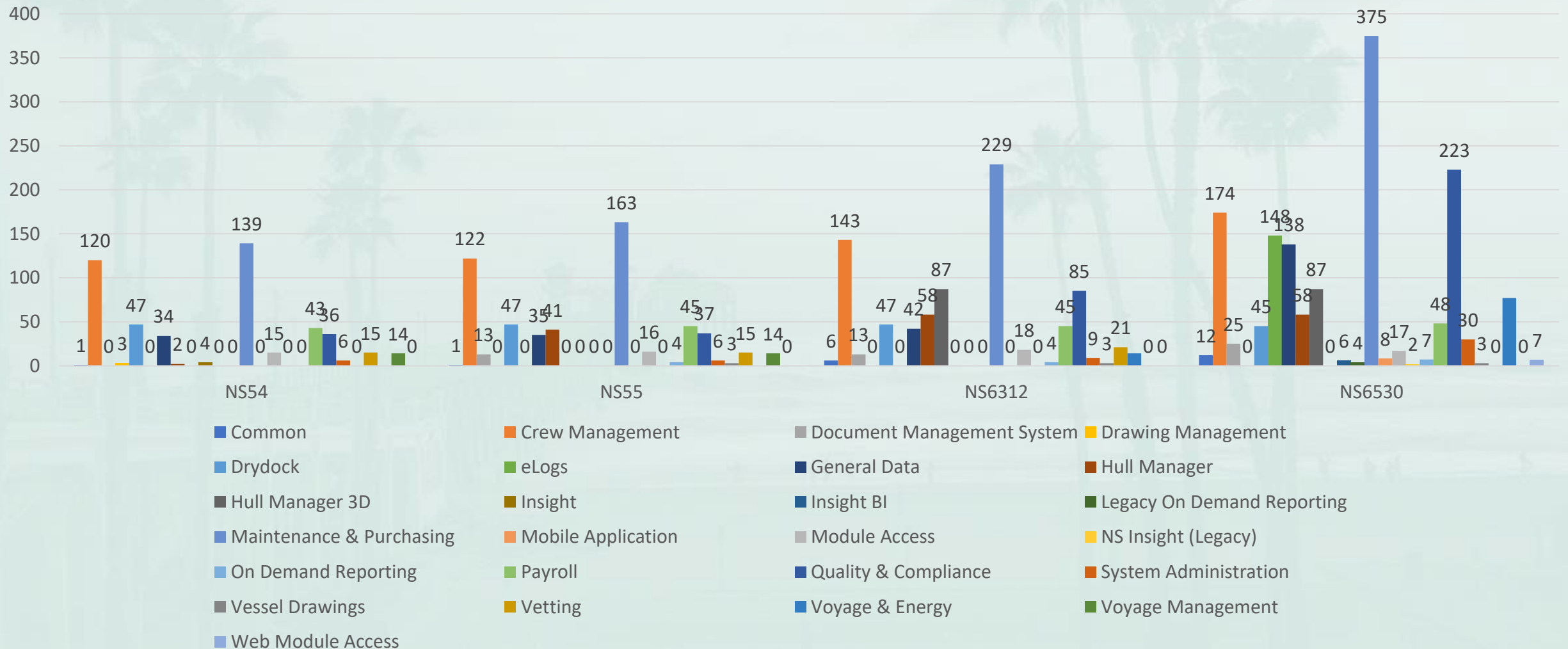


## System Preferences & Options





## Authorization Profiles





# Upgrade Process

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# Upgrade Path 5.#,6.0,6.2,6.3 to 6.5.30

- Apply latest patch of the old version
- Run Site Scripts (field size adjustments)
- Export/Dump Database
- Install Latest Version
- Create Blank Database
- Stop ALL Services except mySQL
- Import/Load Database
- Start NS to upgrade the database
- Run Data Migration Script
- Validate Schema
- Apply additional scripts
- Start ALL Services

# Upgrade Path 6.4 to 6.5.30

- Install Latest Version
- Stop ALL Services except mySQL
- Replace Database (Stop and Start mySQL)
- Start NS to upgrade the database
- Validate Schema
- Apply additional scripts
- Start ALL Services except mySQL

# Vetting Migration 6.5.1-6.5.2

- Create Vetting Principals as Vendor/Companies
- Under Reserved Document Numbers configure findings
- Setup Findings Authorization Rights
- Run Migration Script
- Update Principal
- Check Compliance Hierarchy for SIRE
- Check Findings/Observations
- Prepare/Setup System for SIRE

# HSQE Migration 6.5.3

## Central

- HSQE\_Questionnaire\_Migration\_script(NSE-11147).sql
- DB Upgrade – Generate Additional Data Script

## Site/Office/Vessel

- Run ABS NS – Supplied SQL Script
- HSQE\_Questionnaire\_Constraint\_script(NSE-11147).sql

# Upgrade Issues

- General Data: Questionnaire Category
- Crewing: Relationship Status
- Crewing: Family Relationship
- Null Folder Attachment
- Custom Development (Reports and Plugins)

# Interfaces and Upgrades

- File compare configuration and merge configuration
- Review new fields and features
- Adopt new functionality
- Monitor Interfaces



# Upgrade Process

- Upgrade Readiness
- Business User Commitment
- Planning
  - Test/UAT
  - Training
  - Production
- Infrastructure Setup
- Resources Allocation
- Upgrade Path  
(depending version and modules)
- Vessel Rollout

# Data Control Process

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# Data Control Process

- Master Library
- Data Creation Process (Migration or Population)
- Data Restrictions
- Advantages and Disadvantages

# Import and export facilities

- Export
  - Equipment Particulars
  - Hierarchy
  - Inventory
  - Inventory Adjustment
  - Key Standard Job Data
  - Maintained Part
  - Parts/Consumables
  - Serialized Item
  - Service Contract
  - Service Hierarchy
  - Standard Job
- Import
  - Clear Inventory by PIN
  - Equipment CM Types
  - Equipment Counter
  - Equipment Particulars
  - Hierarchy
  - Inventory
  - Maintained Part
  - Part Number
  - Parts/Consumables
  - Serialized Item
  - Service Contract
  - Service Hierarchy
  - Standard Job
  - Standard Job Last Done Date
  - Storage Location
  - Work Order

- Export
  - Inventory Adjustment
  - Key Standard Job Data
  - Material Contract
  - Service Contract
  - Service Hierarchy
- Import
  - Import Historical Prices
  - Material Contract
  - Service Contract
  - Service Hierarchy
  - Space

- Import
  - Budgets
  - Cities
  - Companies
  - Embarkations
  - Failure Code
  - Failure Mode
  - Hazards
  - Illness/Injury
  - Index Term
  - JSA Template
  - Next of Kin
  - Previous Employment
  - Qualifications
  - Questionnaire
  - Safeguards
  - Seaman Data
  - Seamen
  - Shore Service
  - Standard Reference
  - Tasks
  - Text Data

- Export
  - A/P (Invoice)
  - Approved RFQ's
  - Cancelled Invoices
  - Cancelled Purchase Orders
  - Change Order
  - Embarkation
  - Freight Forwarder PO
  - Inventory Transactions
  - Purchase Order
  - Purchasing
  - Receipt/Delivery/Service Completion
  - Seaman
  - Transfer Order
  - Vendor
  - Work Order
- Asset Management
  - Equipment
  - Inventory
  - Material PO
  - Part

- Import
  - Condition Monitoring
  - Currency Exchange
  - Custom Forms
  - Embarkation
  - Insurance Claim
  - Material Receipt
  - Paid Invoices
  - Part
  - PO Delivery
  - Purchasing
  - Reconciliation/Seal Logs
  - Seamen
  - Shipment Status
  - Shipping Manifest
  - Work Order
- Account
  - Account
  - Account Budget
- Asset Management
  - Equipment
  - Inventory
  - Part
- Project
  - Project
  - Project Budget

# Tools

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This utility TxnRelogger.exe will queue the data for replication. To execute you will need to setup the xml file containing what needs to be queued see sample sample-transaction-relog.xml

```
<replicate>
  <set> <!-- A set will be dumped as one single transaction -->
    <account/> <!-- This will dump all account records -->
    <account>
      <key>
        <account_id>100001</account_id> <!-- Will dump account where account_id column matches 100001 -->
      </key>
    </account>
    <account>
      <query> <!-- Will dump all account where account_id column starts with 100 -->
        <![CDATA[
          select
            *
          from
            account a
          where
            a.account_id like '100%'
        ]]>
      </query>
    </account>
    <account T="3"> <!-- Note the attribute 'T' which dictates that how the transaction will
      be logged as insert (1) which is default, update (2) or delete (3).
      The delete will be generated as you define in xml, so make sure you
      have sufficient values provided to delete the correct record
      -->
      <key>
        <account_id>100001</account_id>
      </key>
    </account>
  </set>
</replicate>
```

To execute the utility you will need to place the TxnRelogger.exe under NS5 home folder. You can execute this from command prompt using the following syntax

TxnRelogger <xml file name>

example:

TxnRelogger "d:\sample-transaction-relog.xml"

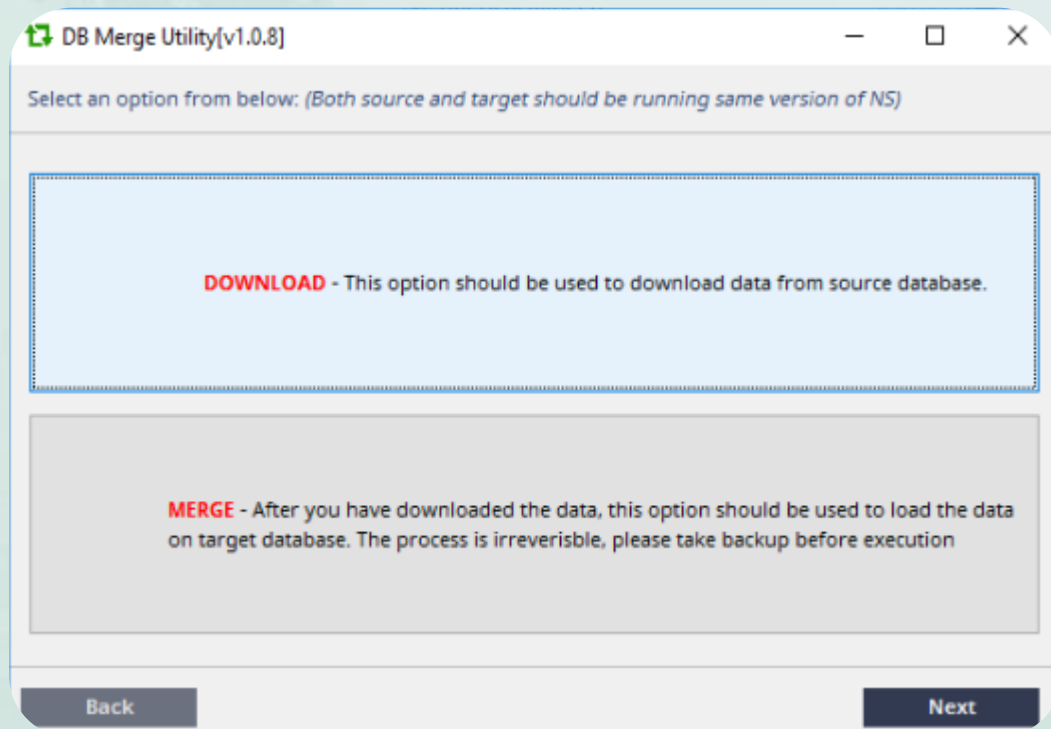
# TxnRelogger

Transfer data updates or missed between sites

How to use TxnRelogger

Setup the xml file containing what needs to be queued

Run TxnRelogger.exe sample-transaction-relog.xml



# DBMerge

Scripts and merges data between databases

How to use DBMerge

Setup the xml file containing what needs to be scripted

Run DBMerge UI for download and upload data using the xml



NS5 Settings

Filter

Save Restore Export as XLS...

NS5 Settings

Memory & Timeouts

Query Timeouts	300
Max Session ID	99,999,999
Rows threshold	10,000


Database Configuration

Database Type	MS SQL Server
Database Server IP Address/Host Name	ev-we-prof
Database Server Port	3,308
Database name/SID	safenet
Database Password File	META-INF/ns5-mssql-db-access.dbp

Attachment Server Configuration

Attachment Server Type	Training
Attachment Server IP Address/Host Name	localhost
Attachment Server Port	23,791

Appearance

Font Name	
Font Size	11
Required Field Prefix	*
Application Header Color	
Login Page Background	
Login Dialog Position	-100; -100

Logging & Support

Debug Logging Enabled	<input type="checkbox"/>
SQL Select Logging	<input type="checkbox"/>
SQL Insert Logging	<input type="checkbox"/>
SQL Update Logging	<input type="checkbox"/>
SQL Delete Logging	<input type="checkbox"/>

Misc

Interface Directory	interface
User Home Folder	C:\Users\SU.ATheofanopoulos
Report Compiled	<input checked="" type="checkbox"/>

(Name)  
(Description)

# NS5Settings

Setup most common NSE Settings

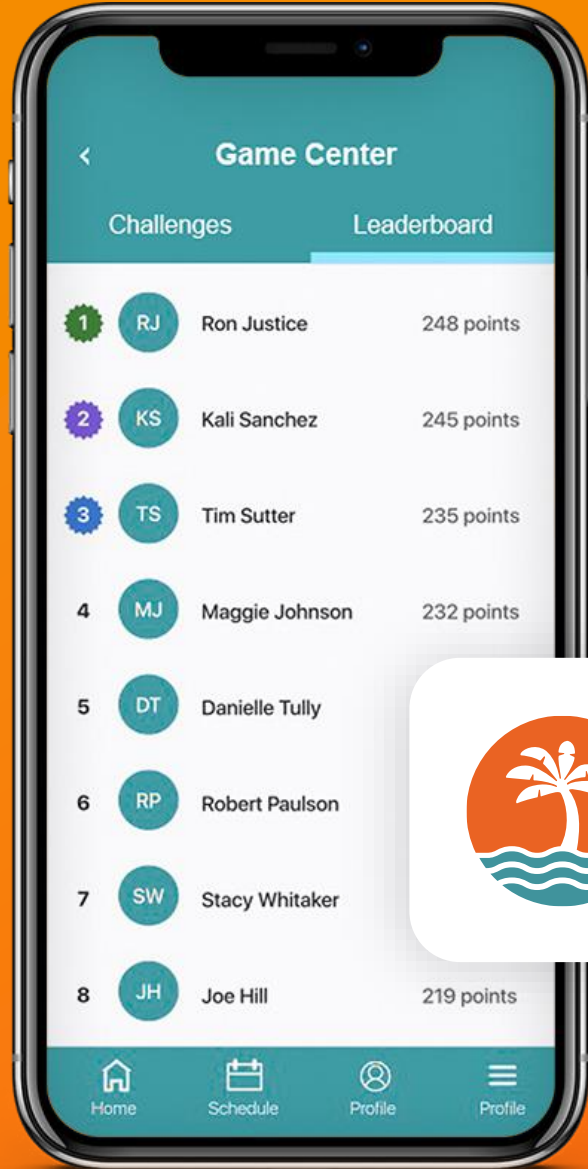
# Productivity tools

- Notepad++
- WinMerge
- GreenShot
- telnet
- tcpview
- Bginfo.exe

# Q & A

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