

# Automated System Testing

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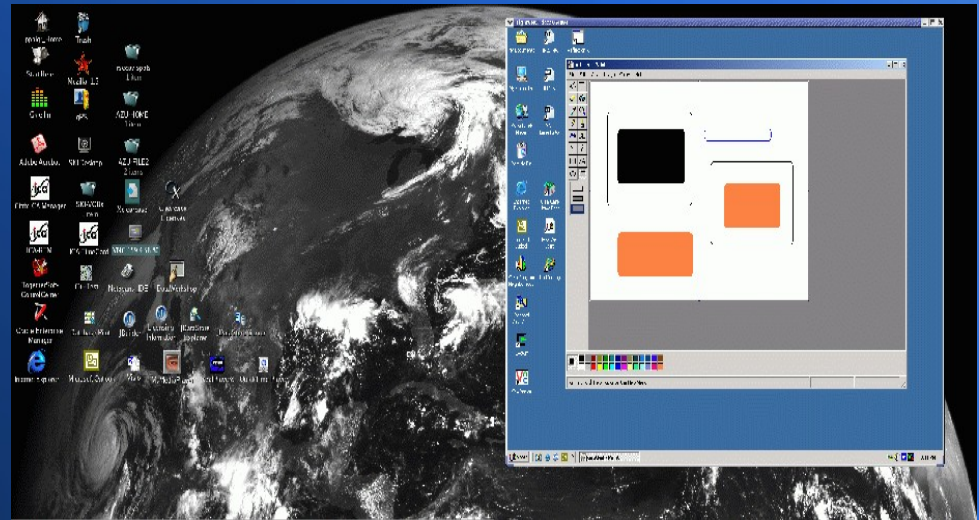
# Purpose

- Time!
- Manual Testing vs. Automated Testing



# Applications

- TightVNC
- VNCRobot
- STAF/STAX



# How?

- One Client System and Two Sever Systems
- What is a Client?
- What is a Server?

- Automation using VNCRobot and TightVNC
- Multiple Systems using STAF/STAX

# Expected Results

- Reduced Testing Time: from hours of manual testing to minutes in automated testing
- Only one system controlling many others

# Simple Tests

-Word processor

-Web browser

# Analysis

- SeaClear
- menus
- values
- etc.

The screenshot displays the 'AIS Target Info' window and the SeaClear interface. The AIS window shows the following data:

UTC:	10/8/2005 10:31:36 PM
Name:	EXPLORER
CallId:	FMDY
Dest:	CHANTIER LA CIOTAT
SOG:	0kn
COG:	0°
HDT:	224°
ROT:	0°/min
Lat:	43°10.322'N
Long:	005°36.817'E
Length:	37m
Width:	8m
Draft:	3.7m
MMSI #:	226266000
Status:	Restricted manoeuvrability
RNG:	5.735NM
BRG:	302°

The SeaClear interface on the right includes a 'File Tools >>' menu, a 'DR' section with input fields for Lat (043°07.323 N) and Long (005°43.517 E), and controls for Course (0) and Speed (0). Below these are 'Log' (0.00), 'Trip' (0.00), and 'Hours' (0.00) fields. The 'Positions' section has a dropdown menu and a 'Find Position' button. The 'Routes' section includes 'Open Route', 'Reverse Route', and 'Activate Route' buttons. The 'Route Statistics' section shows 'Start', 'End', and 'Dist' fields. The 'AIS Info Find' section has a dropdown menu. The 'Shading' section has buttons for 1, 2, 3, and 4. The 'AUTOMATIC OFF TRACK ON' section has a red 'OFF' indicator and a 'TRACK ON' button. The bottom right corner shows coordinates 43°34.459'N, 008°22.322'E and a distance of 77° 119nm.



# Extension

- network based

- large amount of systems