# Sprint Report III

## Team Overview

### Name

Silver Redux

### Members

Dean Laganiere, Trevor Mahoney, Teresa Worner

### Project Title

APMAX Test Suite and Set-Top Box Regression Testing Framework

### Company

Innovative Systems, LLC

## Sprint Report

### Work for this sprint included:

* Emulator Client
  + Adding the vPhone Launcher to the Client
    - Client now calls the vPhone Launcher Service
    - Added ability to add new vPhone Launchers to the DB
    - Added ability to select vPhone Launchers for a test in the *Setup Test* page
    - Added ability to set user counts (number of phones to launch) in the *Test Run Wizard*
  + Implemented Graphs in *Test History* page
    - Added graphs for vSTB Stats
    - Added graphs for vPhone Stats
    - Features
      * Can Toggle Each Line’s Visibility
      * Ability to change which measures are being graphed
      * Preferences
    - Testing
      * Graphs were tested for performance against datasets with > 10,000 data points
  + APMAX Performance Statistics
    - Now fully integrated with client
    - Fixed a major thread/memory usage issue (Found after testing)
  + Bug Fixes
    - Fixed various bugs with the previously implemented Run Test wizard
    - Fixed Crash when adding an Emulator Controller or vPhone Launcher without first selecting a Server
  + Converted target framework from .NET 4 to .NET 4.5, and removed dependencies with the Async CTP library.
* Team Upgrades
  + Upgraded Alex and Dean’s machines from Vista to Windows 7
  + Upgraded all instances of Visual Studio from 2010 to 2012
  + Made the following Visual Studio Solutions compatible with VS 2012:
    - EmulatorController
    - SmartphoneLauncher (vPhoneLauncher)
    - APMAXStats

### Work that is carried over into sprint 4 (or 3.5) is as follows:

Phase 1: (Most of these tasks will be taken over by Alex Grebin)

* + Investigate some slow database calls in the Emulator Client
  + Add test summary to test history page
  + Implement a way for comparing test runs
  + Finalize End-User Documentation ( Tester, Developer )
  + Testing the Emulator Client ( Including writing test cases )
  + Convert Test / TestRun ComboBox into LookupEdit

Phase 2:

* + Finalize Design and Planning
    - Database considerations for Whole Home Group Testing
    - UI Prototypes for Whole Home Group Testing
    - Test ability to send commands directly to STBs
    - Test Screenshot Feasibility (Started but not finished)
  + Begin Implementation