# Set-Top Box Testing Framework

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Set-Top Boxes are manually tested for regressions in new software versions

### Resolution

software framework that allows for consistent scripted testing

Setup



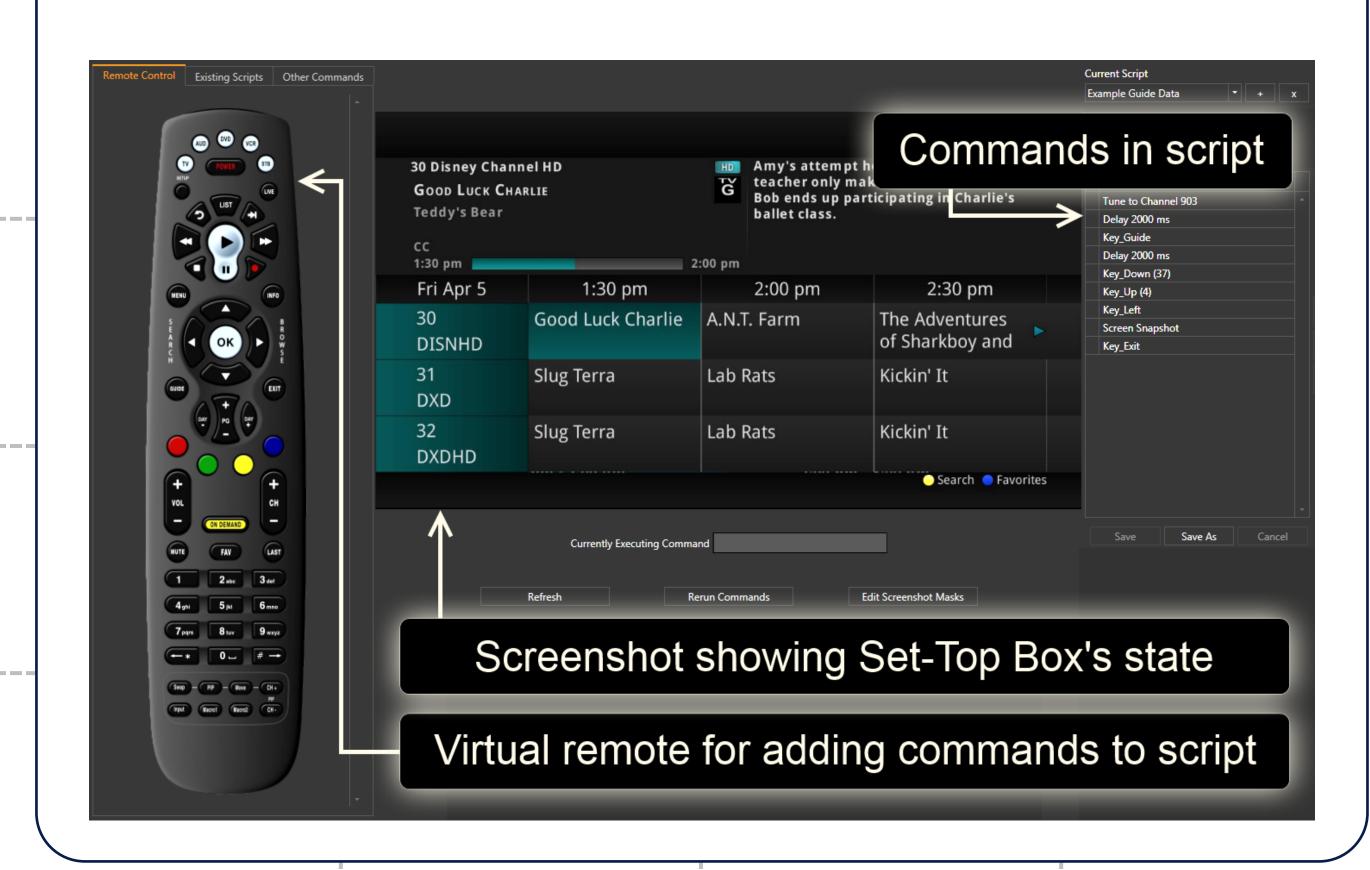


Analysis

Script Lifespan

## Test Setup

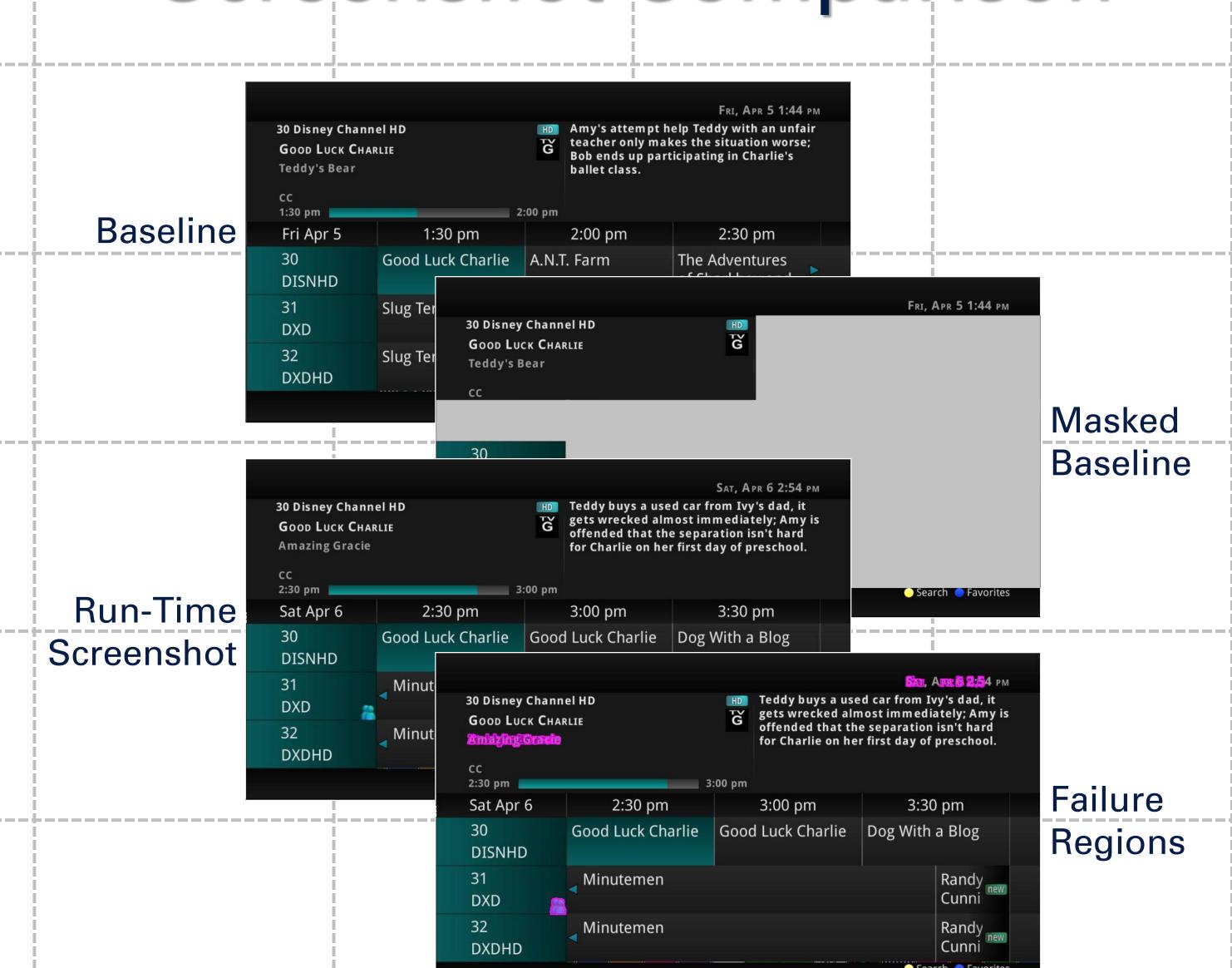
A script is a sequence of commands to be executed. Our layered test setup allows the embedding of scripts inside scripts.



## Screenshot Comparison

Innovative

Systems



## Targeted Set-Top Boxes





Amino 540

## Acknowledgments

Brian Butterfield David Springhetti

## Test Execution

Scripts can be run against multiple set-top boxes simultaneously to find regressions

User-Interface validation is done through screenshot comparisons (top right)

Masks exclude regions from comparison

## Test Analysis

Icons and data summaries give the tester a high-level view of each test run

