

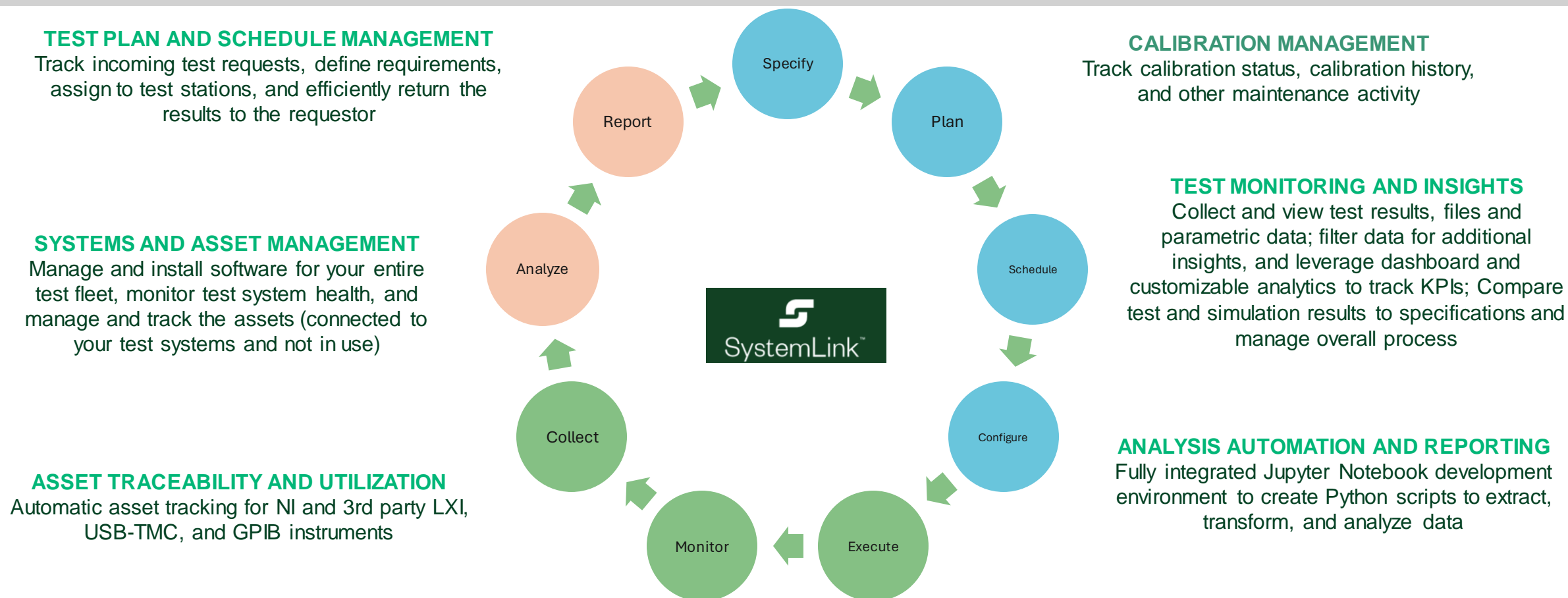
Modern Lab Operations with SystemLink: Workflows for More Effective Validation Outcomes

SystemLink Hands-On

SystemLink™ Creates Connected Test Systems

The Operating System for a Modern Lab

SystemLink™ connects asset management, test orchestration, data management, and contextual analysis through automated workstreams, creating the cornerstones of efficiency, quality, and productivity for the modern lab.



Current Solution State

- 10 SystemLink™ Clients Registered
- TestStand Results Reporting Configured
- Additional Uploads to SystemLink

| STEP | DESCRIPTION |
|-----------------------------------------------|----------------------------------------------------------------------------------------------|
| - Setup (2) | |
| Allow user to select which components to fail | |
| .N Simulation Dialog | Action, NationalInstruments.TestStand.Examples.MobileDeviceDemo.MobileDeviceDemo: |
| .N Initialize Test Fixture | Action, NationalInstruments.TestStand.Examples.MobileDeviceDemo.MobileDeviceDemo: |
| <End Group> | |
| - Main (9) | |
| Link to Test Plan | |
| Allow user to select which components to fail | |
| L GenerateBooleans | Action, random.vi |
| Allow user to select which components to fail | |
| L GenerateScreenInt | Action, random number.vi |
| C Power On Test | Pass/Fail Test, PowerOnTest (MobileDeviceTest.dll) |
| C Battery Voltage Test | Numeric Limit Test, $3.65 \leq x \leq 3.8$, volt, BatteryVoltageTest (MobileDeviceTest.dll) |
| L LCD Video Test | Multiple Numeric Limit Test, LCD Display Test.vi, Number of Measurements: 2 |
| Audio Test | Call Audio Test in <Current File> |
| User Input Test | Call User Input Test in <Current File> |
| RF Test | Call RF Test in <Current File> |
| <End Group> | |
| - Cleanup (1) | |
| .N Disconnect Test Fixture | Action, NationalInstruments.TestStand.Examples.MobileDeviceDemo.MobileDeviceDemo: |
| <End Group> | |

Current Solution State

| STEP | DESCRIPTION |
|-------------------------|--------------------------------------------------------|
| + Setup (0) | |
| - Main (4) | |
| L Microphone Input Test | Numeric Limit Test, x > 0.95, Microphone Input Test.vi |
| Upload File | |
| L Speaker Output Test | Numeric Limit Test, x > 0.95, Speaker Output Test.vi |
| Upload File | |
| <End Group> | |

| STEP | DESCRIPTION |
|---------------|---------------------------------------------------|
| + Setup (0) | |
| - Main (3) | |
| For Each | Locals.currentButton in Locals.ButtonNames |
| C Button Test | Pass/Fail Test, ButtonTest (MobileDeviceTest.dll) |
| End | |
| <End Group> | |

| STEP | DESCRIPTION |
|--------------------|------------------------------------|
| + Setup (0) | |
| - Main (6) | |
| L 802.11b/g/n Test | String Value Test, Antenna Test.vi |
| Upload File | |
| L 802.11ac Test | String Value Test, Antenna Test.vi |
| Upload File | |
| L LTE Test | String Value Test, Antenna Test.vi |
| Upload File | |
| <End Group> | |
| + Cleanup (0) | |

Module Overview

Session Overview / Software Overview

- Provide an overview of the hands-on session
- Provide an overview of the tiles in SystemLink and their functionalities

Part 1: System and Asset Management

- Logging into SystemLink
- System Management Overview
- Customize and Filter your Systems Overview
- Deeper Dive into Systems
- Deeper Dive into Product Insights

Part 2: Typical Workflow in SystemLink

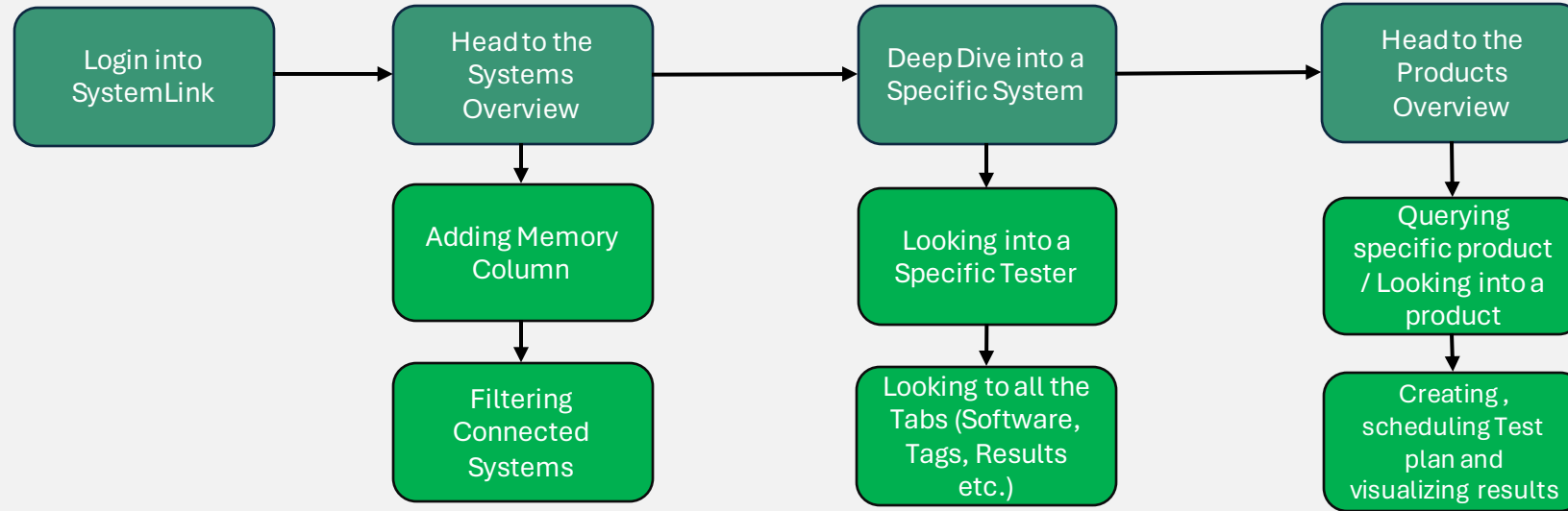
- Accessing Overview Dashboard
- Understanding Key Features of the Dashboard
- Work Order Overview, Creating a Test Plan and Schedule Management
- Executing a Test Plan Remotely
- Analysis and Reporting

Part 3: Administration & Part 4: Data Management

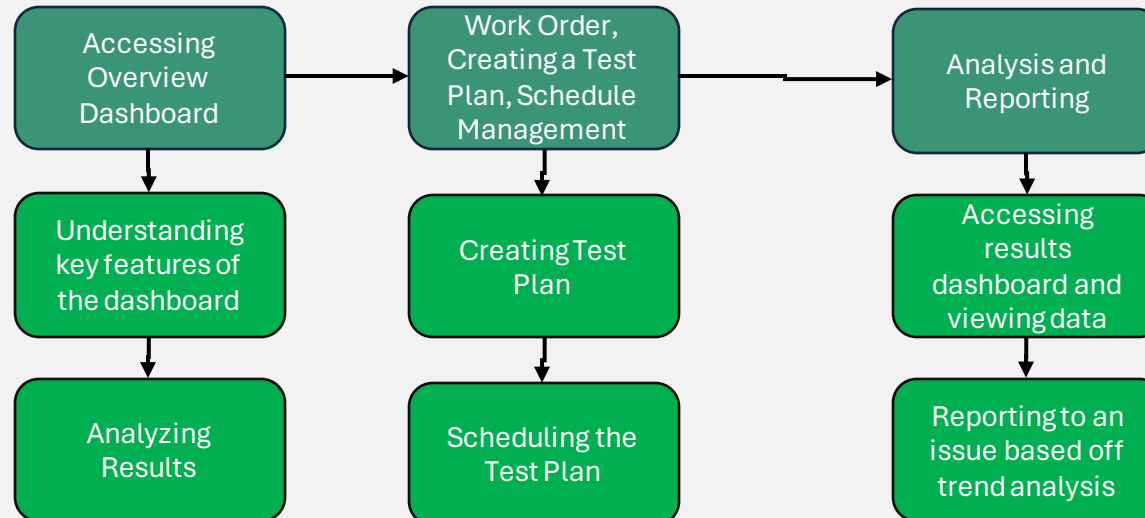
- Overview

Hands-On Workflow

Part 1: System and Asset Management



Part 2: Typical Workflow in SystemLink



| Machines | Email | Password |
|----------|--------------------------------------------------------------------------------------------------|-------------|
| 1-5 | handsonuser0@internal.saas.sle-ni.com | BigData\$47 |
| 6-10 | handsonuser1@internal.saas.sle-ni.com | BigData\$56 |
| 11-15 | handsonuser2@internal.saas.sle-ni.com | BigData\$82 |
| 16-20 | handsonuser3@internal.saas.sle-ni.com | BigData\$93 |
| 21-25 | handsonuser4@internal.saas.sle-ni.com | BigData\$17 |
| 26-30 | handsonuser5@internal.saas.sle-ni.com | BigData\$64 |
| 31-35 | handsonuser6@internal.saas.sle-ni.com | BigData\$58 |
| 36-40 | handsonuser7@internal.saas.sle-ni.com | BigData\$79 |
| 41-45 | handsonuser8@internal.saas.sle-ni.com | BigData\$51 |
| 46-50 | handsonuser9@internal.saas.sle-ni.com | BigData\$13 |