Developer Days Automation

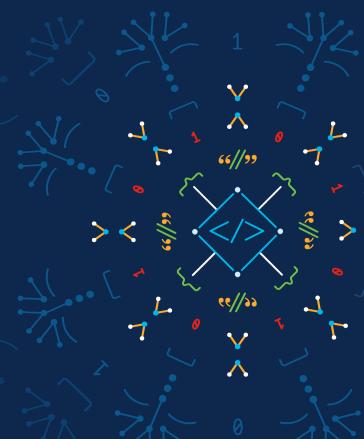
Testing Automation for a generic NSO service provisioning package

A general approach to internal testing

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The bridge to possible



1 Scenario

2 Why a General Approach?

3 What Approach?

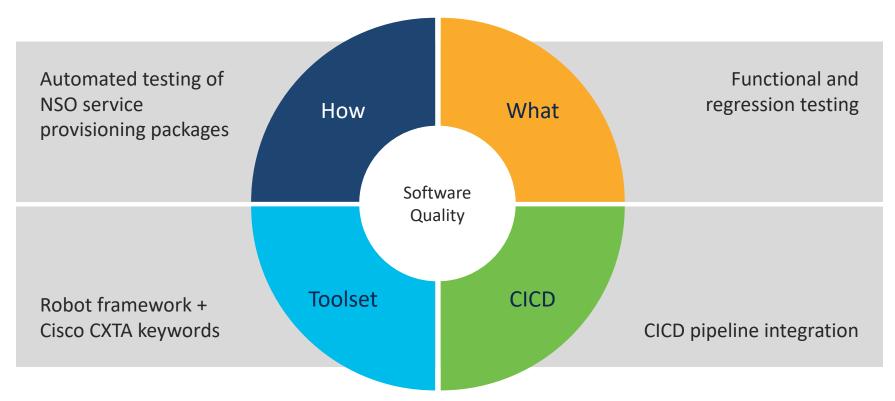
4 Added Values

5 Conclusions

Agenda

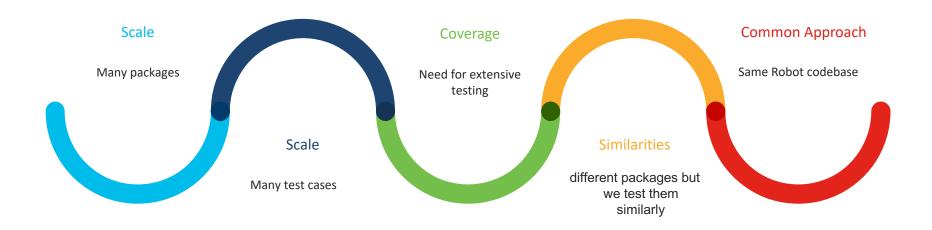
Scenario

Scenario



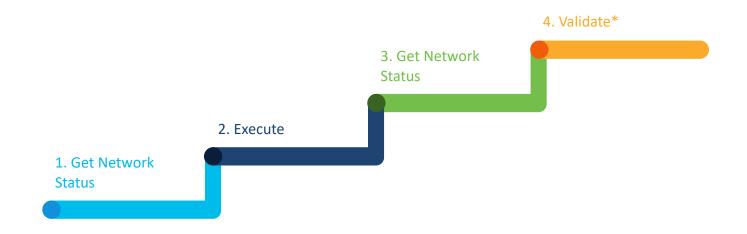
Why a General Approach?

Why a General Approach?



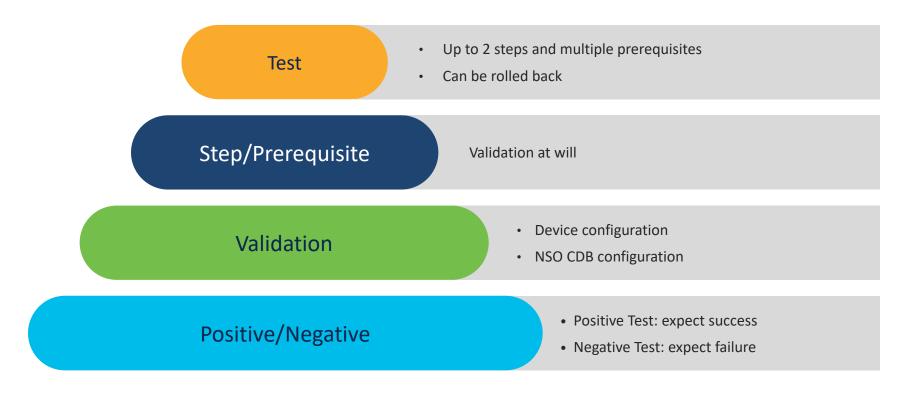
What Approach?

Common Robot Codebase

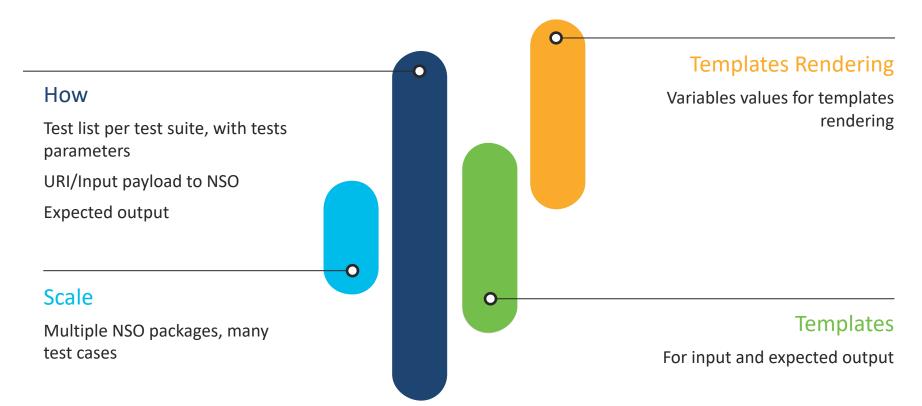


*Device Configuration Validation

Test Structure



Scaling



Test Process



Test list Templates

Preparation

- Templates Rendering
- Test Files Creation



Test Files

Execution

Common Robot Codebase



Test Results

Added Values

Added Values

Flexibility

- Validation
- Rollback
- Prerequisites

Code Reuse

- Same codebase for multiple NSO service provisioning packages
- Same codebase for multiple tests

Simplicity of Use

- No new Robot code needed to add new tests
- No Robot coding skills required to add new tests

Scale

- Many packages
- Many tests per test suite

Maintenance

- Advantages
- Drawbacks

Conclusions

Conclusions

Tradeoff	Worth	Adopted
Flexibility, code re-use, simplicity, scaling vs Robot code complexity	Advantages > Drawbacks	Testing NSO service provisioning packages internally, also in CICD pipeline

The bridge to possible