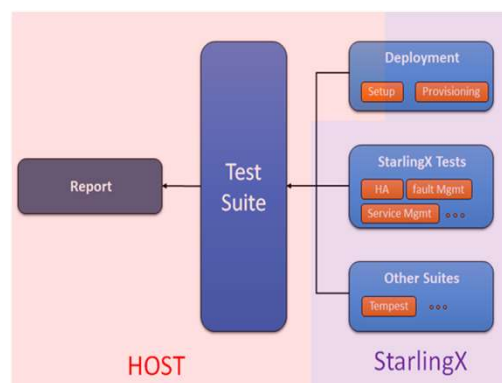




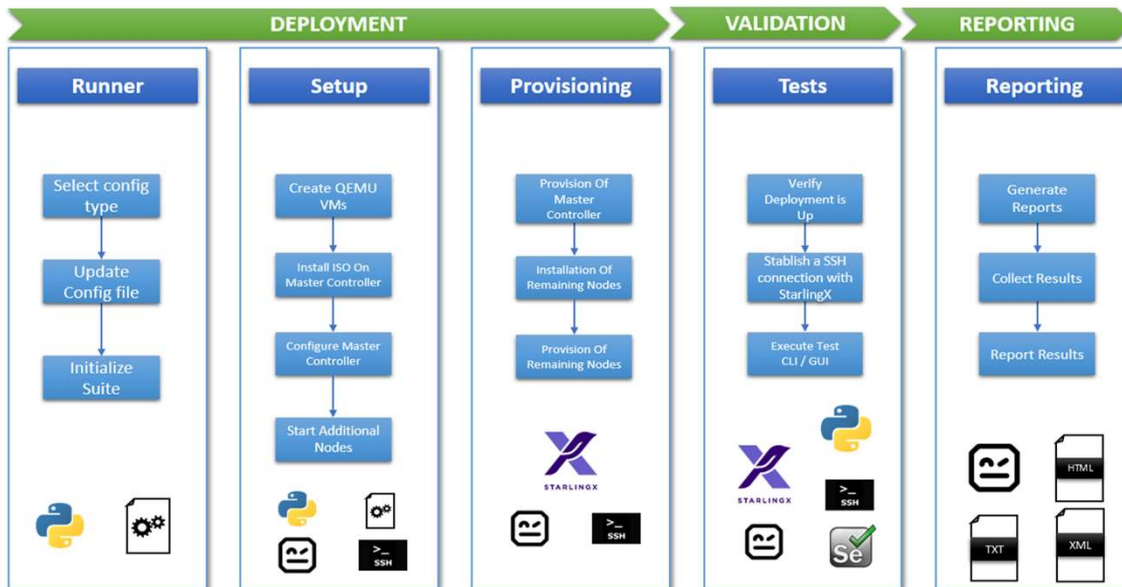
# Test Framework Overview

## Key Points

- Use a Maintained, Stable, Documented and Open Source Framework (Robot Framework)
- Provide an automated way to cover the end-to-end validation path: Deployment + Testing + Reporting.
- Support for CLI (SSH-Terminal) and GUI (Selenium Library) test.
- Not invasive, framework is running on a host machine, test are executed on StarlingX deployment.
- Execution of native (StarlingX specific tests) or external (Tempest or other) suites.
- Easy integration with Python.
- Allows to create and integrate new libraries easily.
- Reports standardization. (HTML, XML, Logs)
- Automated way to consolidate reports (rebot tool)



# High Level Architecture



# Reports

**Sanity-Test Test Report** Generated: 20181210 18:10:11 GMT-05:00  
15 hours 22 minutes ago

**Summary Information**

Status: All tests passed  
 Start Time: 20181210 17:53:58.521  
 End Time: 20181210 18:10:15.529  
 Elapsed Time: 00:16:12.008  
 Log File: log.html

**Test Statistics**

Category	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	19	19	0	00:14:22	100%
All Tests	19	19	0	00:14:22	100%

**Statistics by Tag**

Tag	Total	Pass	Fail	Elapsed	Pass / Fail
MN.External	19	19	0	00:14:22	100%

**Statistics by Suite**

Suite	Total	Pass	Fail	Elapsed	Pass / Fail
Sanity-Test	19	19	0	00:16:12	100%
sanity-test-01-CentOS-Instance	6	6	0	00:02:56	100%
sanity-test-02-CentOS-Instance	7	7	0	00:00:32	100%
sanity-test-03-Ubuntu-Instance	6	6	0	00:04:42	100%

**Test Details**

Filter:  Critical Tests  All Tests

Name	Documentation	Tag	Col. #	Notes	Message	Elapsed	Start / End
sanity-test-01-CentOS-Instance	Creates Nodes with or without properties to be used to launch CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:02:56	20181210 17:54:00.712 - 20181210 17:56:56.712
sanity-test-02-CentOS-Instance	Creates images with or without properties to be used to launch CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:32	20181210 17:54:36.716 - 20181210 17:54:40.000
sanity-test-03-Ubuntu-Instance	Creates instances to be used to launch Ubuntu instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:04:42	20181210 17:54:40.000 - 20181210 18:03:22.000
sanity-test-04-Ubuntu-Instance	Launches CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-05-Ubuntu-Instance	Supports and Restores CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-06-Ubuntu-Instance	Set Error and Active Page to CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-07-Ubuntu-Instance	Creates Nodes with or without properties to be used to launch CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-08-Ubuntu-Instance	Creates images with or without properties to be used to launch CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-09-Ubuntu-Instance	Creates instances to be used to launch CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-10-Ubuntu-Instance	Launches CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-11-Ubuntu-Instance	Supports and Restores CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-12-Ubuntu-Instance	Set Error and Active Page to CentOS instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-13-Ubuntu-Instance	Evaluate all instances from complex or confidant	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-14-Ubuntu-Instance	Creates Nodes with or without properties to be used to launch Ubuntu instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-15-Ubuntu-Instance	Creates images with or without properties to be used to launch Ubuntu instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-16-Ubuntu-Instance	Creates instances to be used to launch Ubuntu instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-17-Ubuntu-Instance	Launches Ubuntu instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-18-Ubuntu-Instance	Supports and Restores Ubuntu instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000
sanity-test-19-Ubuntu-Instance	Set Error and Active Page to Ubuntu instances	Duplex; MN.External; MN.Local; Simplex	100	pass		00:00:00	20181210 18:03:22.000 - 20181210 18:03:22.000