

R4 to R6 - Test Documentation

5G MEC/Slice System BP has no new features from Release 4 to Release 6, so please refer to the [R3 - Test Documentation](#) to see the following contents.

Besides, based on Release 3 codes, 5G MEC/Slice System integrates with **Bluval (Akraino blueprint validation framework)** to scan out the system vulnerabilities in the **K8s layer** and **OS layer** and fix the vulnerabilities. Bluval introduction and user guide can be found in [Bluval Documentation](#). Bluval test results for 5G MEC/Slice System BP are as follows.

Bluval Tests

1. K8s Layer Mandatory Tests

1.1 Kube-hunter Test Suite

1) Test Execution Step:

Bluval accesses to the 5G MEC/Slice System and executes Kube-hunter test suite on the system.

2) Test Results:

All critical test cases are passed (PASS/FAIL criteria can be found in [Kube-Hunter PASS/FAIL Criteria, v1.0](#)).

3) Test logs:

Logs are pushed in nexus repo: https://nexus.akraino.org/content/sites/logs/tencent/bluval/results_upload/k8s/kube-hunter/

2. OS Layer Mandatory Tests

2.1 Lynis Test Suite

1) Test Execution Step:

Bluval accesses to the 5G MEC/Slice System and executes Lynis test suite on the system.

2) Test Results:

29 critical test cases are passed with no errors (PASS/FAIL criteria can be found in [Lynis PASS/FAIL Criteria, v1.0](#)).

3) Test logs:

Logs are pushed in nexus repo: https://nexus.akraino.org/content/sites/logs/tencent/bluval/results_upload/os/lynis/

2.2 Vuls Test Suite

1) Test Execution Step:

Bluval accesses to the 5G MEC/Slice System and executes Vuls test suite on the system.

2) Test Results:

Requested 2 exceptions because of the OS version (PASS/FAIL criteria can be found in [Vuls PASS/FAIL Criteria, v1.0](#)).

3) Test Logs:

Logs are pushed in nexus repo: https://nexus.akraino.org/content/sites/logs/tencent/bluval/results_upload/os/vuls/