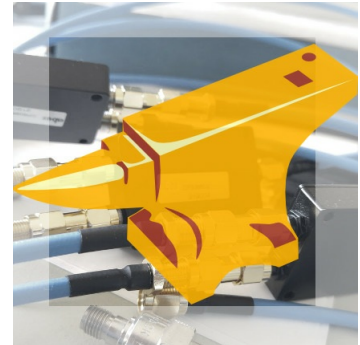


New Features & Improvements

Release 5.4.4 (January 12, 2022)

- Support recent 5.15 kernel for updated drivers and latest features.
- Support MTK 4x4 AX radios in tr-398 issue 1 (except MU-MIMO test case, which is not currently supported.)
- Support MTK 4x4 AX radios in tr-398 issue 2 (except MU-MIMO test case, which is not currently supported.)
- Support tx-overrides on MTK 4x4 AX NIC (ability to specify NSS, MCS, bw, guard-interval for transmitted data frames.
- Update TR398 issue 2 to support latest proposed test revision.
- Improve report content for TR398 and TR398i2.
- Add proposed TR398 issue-3 Airtime Fairness (ATF) test case.
- Add proposed TR398 issue-3 Quality of Service (QoS) test case.
- Add proposed TR398 issue-3 Latency test case.
- Add proposed TR398 issue-3 Multicast test case.
- Add subtest pass/fail counters to TR398 and TR398i2 KPI reports.
- Add pass/fail option for Dataplane and Rate vs Range test.
- Add Latency graphs for the AP-Auto multi-station throughput test.
- Scale test: Add ping support, improve error checking and feedback to user.
- Improve RvR test report and procedure.
- Initial support for LANforge pure-java resource on Android phones. Includes TCP, UDP, IPv4, IPv6 and HTTP/HTTPS protocol support for traffic generation.
- Improve python scripting support, including auto-generated .py files to support LANforge CLI commands, and lots of cleanup and stability changes for the various automated python tests.



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Bug Fixes

- Tr398: Save calibration results after running calibration test. Otherwise, they would not be saved for next run unless a user then clicked 'start' again.
- Fix support for disabling 160Mhz mode.
- Fix parsing vlan EidPortAndName objects.
- Fix old kernel regression that broke configuring ARP cache. This made LANforge not handle thousands of stations well when it is acting as DHCP server. No work-around on older kernels without recompiling them with the fix, but also, it doesn't affect most use cases.
- Fix MTK 4x4 7915 chipset radio to work better when connecting to OFDMA AP when not using virtual stations.
- Fix several memory consumption issues in the LANforge-GUI.
- Fix some LANforge crashes seen when running scale testbed tests.
- Fix AP-Auto Mix-Stability pass/fail problem with endpoints not properly reporting traffic over the last 60 seconds in certain configurations.

Known Limitations

- MTK 4x4 7915 chipset radio has problems when using multiple virtual stations when connecting to AP that does OFDMA. Work-arounds include disabling OFDMA on the AP or forcing the virtual stations to

support only VHT instead of AX.

Full release notes

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