|  |  |  |
| --- | --- | --- |
| **#** | **Task** | **Check** |
| **Response Time** | | |
| 1 | Compare Summary sheet generated on web page. Report if you see any difference in rates. | □ |
| 2 | Compare BC Response time (OHS/HTS) with Baseline Report and Graph | □ |
| 3 | Compare CAS/FIX CAS Response time (CAS Overall time, CAS Delta Time) with Baseline Report and Graph | □ |
| 4 | Compare BC rate and CAS rate with Baseline Report and Graph | □ |
| 5 | Compare Step up Throughput | □ |
| 6 | If **response time is high**, Generate gen method stats for time range that shows higher response time | □ |
| 7 | If Single Class test, Compare Class Level Lock data for single class quote test and order test |  |
| 8 | Generate BOTR rate for test being run with BOTR Traffic. Command to generate BOTR rate is:  On devstor: displayMeters nciRate -date <test-id> -searchString HybridTradeServer1<hostname>.\*ProdBestOfTheRest.\*internalConsumers.\*BestOfTheRestConsumer.\*LocalBC  Compare the BOTR rates for baseline and new test. If you don’t see BOTR, or difference in BOTR rates, that means test was run without BOTR. Flag it immediately. | □ |
| **CPU Stats Comparison** | | |
| 8 | Compare BC CPU stats (Box, Kernel, psrset, process) | □ |
| 9 | Compare CAS / FIX CPU stats (Box, Kernel, psrset, process) | □ |
| 10 | If **CPU is High,** review CPU stats to detect which application process is consuming more CPU. It may also be required to identify a process within processor set that has CPU utilization | □ |
| **GC Stats Comparison for BC OHS / TS and CAS / FIX CAS process** | | |
| 11 | Thread Stop Time   * Compare sum thread stop time * If sum thread stop time looks high than compare # of thread stops and median thread stops * If # of thread stops are low (example 3 to 4 in steady run) then look at the thread stop time graph to see for any spikes that is skewing the numbers | □ |
| 12 | Creation Rate   * Compare creation rate only if there is **no CMS collection** | □ |
| 13 | Promotion Size   * Compare sum promotion size * If sum promotion size looks high than compare # of minor GCs and median promotion size. Generate JMap comparison report (for JMap histo-live) for steady part of the test. * If # of minor GCs are low (example 3 to 4 in steady run) then look at the promotion size graph to see for any spikes that is skewing the numbers | □ |
| 14 | Initial Footprint   * Compare initial footprint. If this looks different then see for other test results on same label / release. If other test results show similar observation then the different initial footprint size is a valid observation. If not then need to see if there is a reporting issue for the given test or environment cleanup issue | □ |
| 15 | Compare compilation statistics, file size and exception count for each process | □ |

**Performance Test Result Analysis – Checklist**