

Mac Pro Quad-Core Intel Xeon E5 @3.7 GHz, 16G memory

* jlink plugin generates .class to reconstitute module descriptors at run time and skip parsing module-info.class, skip name validation, avoid create new zero-sized set/map, use EnumSet

| | jake-b83 | no lambda | jlink plugin* | jdk9-b83 | no lambda % gain | skip parsing module-info % gain |
|--|-------------|------------|---------------|----------|------------------|---------------------------------|
| Total module bootstrap time (ns) | 110,619,917 | 66,258,068 | 50,668,479 | | 40.10% | 23.53% |
| Installed module descriptors time (ns) | 82,349,768 | 33,579,763 | 16,851,721 | | 59.22% | 49.82% |
| Boot layer creation time (ns) | 10,305,345 | 12,134,285 | 12,405,627 | | -17.75% | -2.24% |
| Configuration time (ns) | 9,065,813 | 7,844,744 | 9,090,656 | | 13.47% | -15.88% |
| VM startup time (ms) | 148 | 105 | 90 | 47 | 29.05% | 14.29% |
| Heap usage (K) after GC | 1443 | 1439 | 1380 | 615 | 0.28% | 4.10% |
| Memory increase w.r.t jdk9-b83 | 828 | 824 | 765 | | | |



