# Which GC to Use?

*Make your decision based on the below matrix*

| | SERIAL GC | PARALLEL GC | CMS GC | G1 GC |
|---|---|---|---|---|
| *How it works?* | Refer here | Refer here | Refer here | Refer here |
| *How to enable?* | -XX:+UseSerialGC | -XX:+UseParallelGC | -XX:+UseConcMark SweepGC | -XX:+UseG1GC |
| *CPU Impact* | Best (least CPU consumption ) ★ | 2nd Best | High | High |
| *Total GC Pause time* | Worst | 2nd Best | Best ★ | 3rd Best |
| *Max GC Pause time* | Worst | 3rd Best | 2nd Best | Best ★ |
| *JDK Version* | All | From JDK 5 | From JDK 5 | From JDK 8 |