

Following are different ways of using garbage collectors.

java **-XX:+UseSerialGC** ClassName

Serial GC for both young & old generations

java **-XX:+UseParallelGC -XX:+UseParallelOldGC** ClassName

Parallel GC for both young & old generations

java **-XX:+UseParNewGC -XX:+UseConcMarkSweepGC** ClassName

Parallel New for Young + Concurrent Mark and Sweep (CMS) for Old Generation

java **-XX:+UseG1GC** ClassName

G1 in case of which the generations are not separated between Young and Old

You can also checkout the following resource to learn more about garbage collection. It is a great resource on GC. They have a commercial product on monitoring Java programs and so they pretty much deal with performance related aspects like GC on a daily basis.

<https://plumbr.eu/handbook/garbage-collection-algorithms-implementations>