Spring Boot uses Apache Commons logging for all internal logging. Spring Boot’s default configurations provides a support for the use of Java Util Logging, Log4j2, and Logback. Using these, we can configure the console logging as well as file logging.

If you are using Spring Boot Starters, Logback will provide a good support for logging. Besides, Logback also provides a use of good support for Common Logging, Util Logging, Log4J, and SLF4J.

**logback.xml – src/main/resources**

<?xml version = *"1.0"* encoding = *"UTF-8"*?>

<configuration>

<appender name = *"STDOUT"* class = *"ch.qos.logback.core.ConsoleAppender"*>

<encoder>

<pattern>[%d{yyyy-MM-dd'T'HH:mm:ss.sss'Z'}] [%C] [%t] [%L] [%-5p] %m%n</pattern>

</encoder>

</appender>

<appender name = *"FILE"* class = *"ch.qos.logback.core.FileAppender"*>

<File>e:/cglog.log</File>

<encoder>

<pattern>[%d{yyyy-MM-dd'T'HH:mm:ss.sss'Z'}] [%C] [%t] [%L] [%-5p] %m%n</pattern>

</encoder>

</appender>

<root level = *"INFO"*>

<appender-ref ref = *"FILE"*/>

<appender-ref ref = *"STDOUT"*/>

</root>

</configuration>

**package** com.cg;

**import** org.springframework.boot.SpringApplication;

**import** org.springframework.boot.autoconfigure.SpringBootApplication;

**import** org.slf4j.Logger;

**import** org.slf4j.LoggerFactory;

@SpringBootApplication

**public** **class** PgdemoApplication {

**private** **static** **final** Logger ***logger*** = LoggerFactory.*getLogger*(PgdemoApplication.**class**);

**public** **static** **void** main(String[] args) {

***logger***.info("this is a info message");

***logger***.warn("this is a warn message");

***logger***.error("this is a error message");

SpringApplication.*run*(PgdemoApplication.**class**, args);

}

}