

15-3 Spring Filter 應用



採用Servlet API Filter介面佈署

進行Request與Response封裝攔截應用

屬於Middleware架構

採用Servlet API Filter介面進行實作與佈署

採用@Component annotation佈署

@ComponentScan掃描註冊

實作java.servlet.Filter介面

使用@Component進行配置

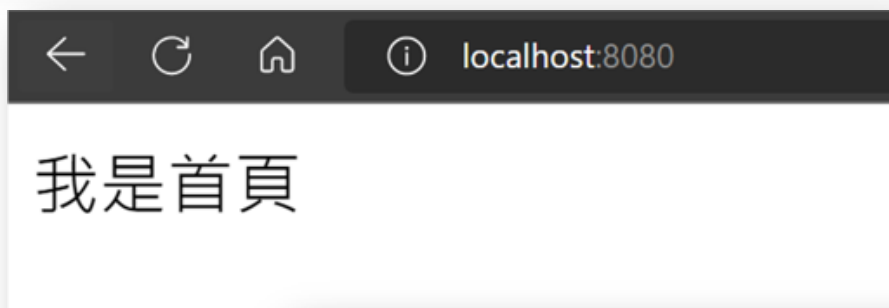
```
//Logging Filter
//@Compoent採用整個類別 進入Spring Container去
@Component("loggerFilter")
public class LogFilter implements Filter{
    public LogFilter() {
        System.out.println("稽核日誌攔截器 進入Sprint Container...");
    }
    private Logger logger=LoggerFactory.getLogger(LogFilter.class);

    @Override
    public void doFilter(ServletRequest request, ServletResponse response,
        FilterChain chain)
        throws IOException, ServletException {
        //產生稽核日誌
        logger.info("Hello 從:"+request.getLocalAddr());
        //往下走 否則會鎖在這裡
        chain.doFilter(request, response); //持續原先的請求與回應
    }
}
```

Spring Boot Application進行Component Scan

```
import org.springframework.boot.SpringApplication;
//採用POJO(Plain Old Java Object)
//語法糖(Candy Syntax)使用Annotation 進行外掛配置
@SpringBootApplication
@ComponentScan(basePackages={"com.khh.controller","com.khh.config","com.khh.service",
    "com.khh.filter"})
@EntityScan(basePackages= {"com.khh.entity"})
@EnableJpaRepositories(basePackages= {"com.khh.entity"})
public class MywebApplication {
    //主程式進入點Entry Point
    public static void main(String[] args) {
        //直接呼叫類別成員static run() 啟動這一個應用系統
        SpringApplication.run(MywebApplication.class, args);
    }
}
```

```
2022-09-17 07:46:45.417 INFO 28200 --- [main]
稽核日誌攔截器 進入Sprint Container...
DataSource物件產生了
2022-09-17 07:46:45.635 INFO 28200 --- [main]
2022-09-17 07:46:45.662 INFO 28200 --- [main]
2022-09-17 07:46:45.745 INFO 28200 --- [main]
2022-09-17 07:46:45.812 INFO 28200 --- [main]
2022-09-17 07:46:46.109 INFO 28200 --- [main]
2022-09-17 07:46:46.113 INFO 28200 --- [main]
Home控制器活過來了...
```



```
2022-09-17 07:59:46.832 INFO 5032 --- [nio-8080-exec-1] com.khh.filter.LogFilter
Hello 從:0:0:0:0:0:0:0:1
2022-09-17 07:59:46.930 INFO 5032 --- [nio-8080-exec-3] com.khh.filter.LogFilter
Hello 從:0:0:0:0:0:0:0:1
```



總結：15-3 Spring Filter應用

Spring Form base Security與Filter應用熟悉之後，接下來我們來看看如何操作RESTful Service Swagger 文件的定義與產生。

