

```

BeanFactory      ApplicationContext
> BeanFactory      bean      BeanFactory      bean
      bean
> BeanFactory      bean      bean
      BeanFactory      bean
      initialization methods      destruction methods
>      application context      bean factory      bean      bean
      bean      application context
>
>
>      bean

```

## Spring Bean

```

> Spring Bean      bean
      bean
      bean
> Spring bean factory      spring      bean      Bean
      call back
>
>
> Spring      bean
> InitializingBean      DisposableBean
>      Aware
> Bean      Custom init()      destroy()
> @PostConstruct      @PreDestroy

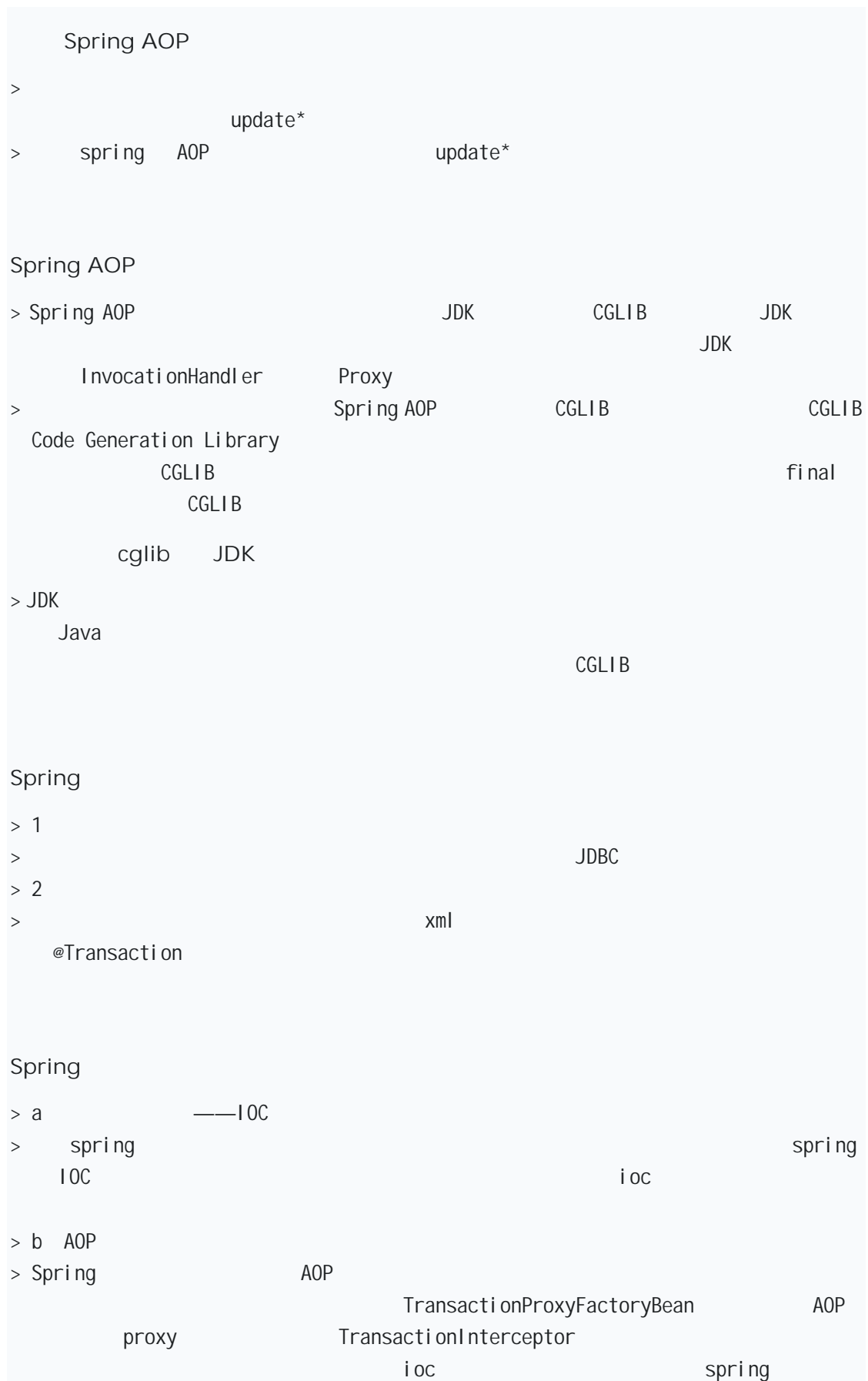
```

## Spring IOC

```

> Spring      org.springframework.beans      org.springframework.context
Spring      IoC
> BeanFactory
ApplicationContex      BeanFactory      BeanFactory
      Spring      AOP      message
resource      Web
WebApplicationContext
> org.springframework.beans.factory.BeanFactory      Spring IoC
      bean      BeanFactory      Spring IoC

```



## TransactionAttributeSourceAdvisor

### TransactionAttribute

> c

> spring

DataSource

hibernate

JDO

JPA JTA

PlatformTransactionManager AbstractPlatformTransactionManager  
TransactionManager

> d

> PlatformTransactionManager TransactionInterceptor

TransactionProxyFactoryBean Spring

> interface @

>

> String Enums Annotation

>

>

### Spring MVC

> 1. spring mvc DispatcherServlet,

> 2. DispatcherServlet HandlerMapping, Controller.

> 3. DispatcherServlet Controller

> 4. Controller ModelAndView

> 5. Dispatcher ViewResolver, ModelAndView

> 6.

### Spring MVC

> web.xml Spring MVC Servlet load-on-startup,

> Spring MVC HttpServletBean contextConfigLocation

> Servlet FrameworkServlet WebApplicationContext,

> DispatcherServlet contextConfigLocation classpath xml

> Spring MVC

## Spring

> Spring Bean  
ConcurrentHashMap

## Spring

> — AOP remoting  
> — spring bean  
> — . RestTemplate, JmsTemplate,  
JpaTemplate  
> —Spring DispatcherServlet  
> (View Helper)—Spring JSP  
  
> — BeanFactory / ApplicationContext  
> —BeanFactory

## Netty

Netty

> 1) API  
> 2)  
> 3) Channel Handler  
> 4) NIO Netty  
> 5) Netty JDK NIO BUG  
NIO BUG  
> 6) BUG  
  
> 7)  
  
> Netty Java NIO  
  
Netty  
  
> Java MQ ESB  
Netty  
> Netty  
WebSocket  
> Netty

NIO    JDK 1.7    epoll bug

>    Selector    CPU 100%    JDK 1.6    update18  
                                 JDK 1.7    BUG

TCP    /

> 1    TCP

> 2    MSS    TCP

> 3    TCP    TCP

> 4

TCP    /

> 1

> 2    0

> 3

Netty

>    Netty    EventLoop    EventLoop    Thread    EventLoopGroup    EventLoop  
      EventLoop                                  EventLoopGroup    EventLoopGroup  
      EventLoop    Reactor                                  EventLoopGroup  
      ExecutorService

Netty

> "    "    CPU    User

Space    Kernel Space

Netty

> 1. Netty    ByteBuffer    DIRECT BUFFERS    HEAP

Socket    Socket    JVM    Buffer

BUFFERS

Socket

> 2.	Netty	Buffer	ByteBuffer
	Buffer	Buffer	
	Buffer	Buffer	
> 3.	Netty	transferTo	