BeanFactory	ApplicationContext			
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> BeanFactory			ŀ	oean bean
-	BeanFactory	bean		
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>	application context	bean factory		
	bean	application		bean
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>	bean			
Cramina Daan				
Spring Bean				
> Spring Bean		bean		
		bean		
bean				
> Spring bean	factory spring	n	bean	Bean
> Spiring beam	call back	9	bean	Doan
	Carr back			
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>				
> Spring		bean		
> Initializin	gBean Di sposabl eBean			
>	Aware			
> Bean	Custom init()	destroy()		
> @PostConstr	uct @PreDestroy			
Spring IOC				
> Spring	org. spri ngframework. bear	ns ora-spi	ringframework	context
Spring To	0 . 0	is 01 g. 5p.	i rrigi ramonoria	John Cont
> BeanFactory				D E I
ApplicationCo	•	105		BeanFactory
	Spri ng	A0P		message
resource				Web
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> org. spri ngf	ramework.beans.factory.l	BeanFactory	Spring IoC	
	bean Bean	Factory	Spring IoC	

Spring AOP		
<pre>> update > spring AOP</pre>	update*	
Spring AOP > Spring AOP	JDK CGLIB	JDK
		JDK
InvocationHandler Code Generation Library CGLIB CGLIB	Proxy Spring AOP CGLIB	CGLIB final
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Spring > 1 > > 2 > @Transaction	JDBC xml	
Spring		
> a ——10C > spring 10C	ioc	spring
<pre>> b AOP > Spring</pre>	AOP TransactionProxyFactoryBea	n AOP
proxy	Transacti on Interceptor i oc	spring

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	cti onAttri buteSourceAdvi sor
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	hi bernate JDO
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PlatformTransactionManager	AbstractPl atforTransaction
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> PlatformTransactionManage	·
TransactionProxyFactoryBean	n Spring
	into Control
>	interface @
>	Children France Association
>	String Enums Annotation
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Spring MVC	
> 1. spring mvc	DispatcherServlet,
> 1. Spiring live	Di Spatcher Ser Vi et,
> 2. Di spatcherServl et	Handl erMappi ng, Control l er.
> 3. Di spatcherServl et	Controller
> 4. Controller	Model AndVi ew
> 5. Di spathcher	Vi ewResol ver , Model AndVi ew
2 3. bi spatnener	vi cintesor ver
> 6.	
Spring MVC	
> web.xml Spring	g MVC Servlet Load-on-startup,
> Spring MVC	HttpServI etBean contextConfi gLocati o
> Servlet	FrameworkServlet WebApplicationContex
> Di spatcherServl et con	• • • • • • • • • • • • • • • • • • • •
> Spring MVC	
. •	

```
Spring
> Spring
         Bean
ConcurrentHashMap
Spring
         — AOP remoting
         — spring
                                  bean
                                   . RestTemplate, JmsTemplate,
JpaTemplate
           —Spring
                   Di spatcherServl et
        (View Helper)—Spring
                                         JSP
                 BeanFactory / ApplicationContext
      —BeanFactory
```

Netty

```
Netty
> 1) API
> 2)
> 3)
                         Channel Handl er
> 4)
                                NIO
                                            Netty
> 5)
                                         JDK NIO BUG
                Netty
NIO
     BUG
> 6)
                                    BUG
> 7)
                   Netty Java NIO
           Netty
                         Java
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>
Netty
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WebSocket
                                Netty
```

NIO JDK 1.7	epoll bug	
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TCP /		
> 1 TCP		
> 2 MSS > 3 TCP	TCP TCP	
> 3 TGF	ТОГ	
> 4		
TCP /		
> 1		
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<i>y</i> 6		
Netty		
> Netty EventLoop		mond
EventLoop	EventLoop Th EventLoopG	read roup EventLoop
·	actor	EventLoopGroup
ExecutorServi ce		
Netty		
> " "	СРИ	
		User
	ernel Space	
Netty		
> 1. Netty By Socket	teBuffer DIRECT BUFFERS	S HEAP
	JVM Buffer	HLAF
Socket		

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