



SPRING FRAMEWORK

PROPERTY INJECTION

APRIL, 2015

```
<bean id="client" class="...">  
    <property name="greeting"  
        value="Hello there!" />  
</bean>
```

```
class Client {  
    public void setGreeting(String gr) {...}  
}
```

```
<property name="..." ref="bean" />
```

```
<property name="...">
```

```
  <bean class="..." /> -- inner-bean
```

```
</property>
```

```
<property name="..." ref="bean" />
```

```
<property name="...">
```

```
  <bean class="..." /> -- inner-bean
```

```
</property>
```

What would be the value of field str?

```
<bean>
  <constructor-arg value="aa"/>
  <property name="str" value="bb"/>
</bean>
```

EventType

INFO,
ERROR;

- *default* - use CacheFileEventListener
- INFO - use ConsoleEventListener
- ERROR - use all loggers
(ConsoleEventListener & FileEventListener)

CombinedEventListener

- loggers: Collection;



1

*

EventLogger

INJECTING COLLECTIONS

LIST or ARRAY

```
<list>
  <value>...<value>           -- simple values
  <ref bean="..." />       -- other beans
  <bean class="...">       -- inner-beans
</list>
```

SET

```
<set>
  ...
</set>
```

```
<bean id="combinedEventLogger" class="...">
  <constructor-arg>
    <list>
      <ref bean="consoleEventLogger"/>
      <ref bean="fileEventLogger"/>
    </list>
  </constructor-arg>
</bean>
```

INJECTING MAP

MAP

```
<map>  
  <entry key="..." value="..."/>  
  <entry key="..." value-ref="..."/>  
  <entry key-ref="..." value-ref="..."/>  
  <entry key="...">  
    <bean class="..."/>  
  </entry>  
</map>
```



```
<bean id="app" class="...">
  <constructor-arg>
    <map>
      <entry key="INFO"
        value-ref="consoleEventLogger"/>
      <entry key="ERROR"
        value-ref="combineEventLogger"/>
    </map>
  </constructor-arg>
</bean>
```

```
public App(Client client, EventLogger eventLogger,
           Map<EventType, EventLogger> loggers) {
    ...
}

private void logEvent(EventType type, String msg) {
    EventLogger logger = loggers.get(type);
    if (logger == null) {
        logger = defaultLogger;
    }
    logger.logEvent(event);
}
```

INJECTING PROPERTIES

JAVA.UTIL.PROPERTIES

<props>

<prop key="...">...</prop>

<prop key="...">...</prop>

</props>

INJECTING PROPERTIES

JAVA.UTIL.PROPERTIES

```
<props>  
  <prop key="...">...</prop>  
  <prop key="...">...</prop>  
</props>
```

NULL

```
<property name="someNullProperty">  
  <null/>  
</property>
```



THANK YOU

YURIY_TKACH@EPAM.COM

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