

Behind the scenes

- =====
- Object obj = factory.getBean("wmg");  
Container will check the internal cache for the bean with the id "wmg".  
  
Class c =Class.forName("in.ineuron.comp.WishMessageGenerator");  
WishMessageGenerator wmg = (WishMessageGenerator) c.newInstance();

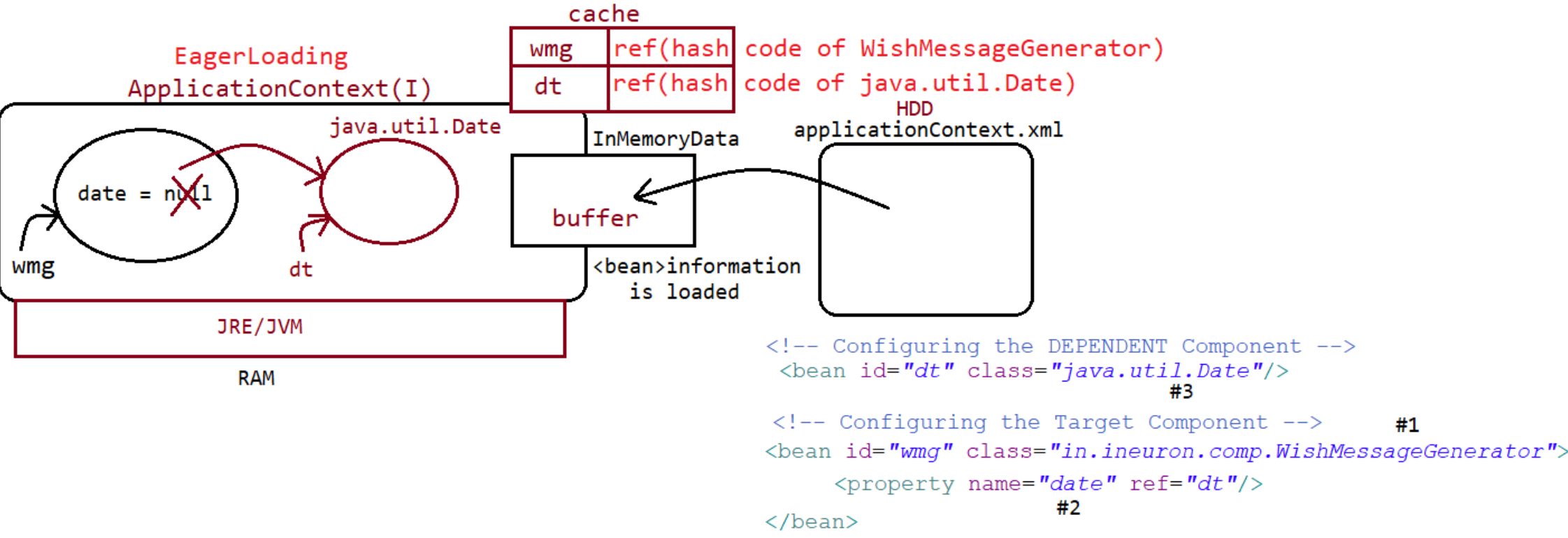
\*\*Container will keep the ref(wmg) in the cache and the object reference as the value in the cache.

- Container will check in the internal cache for the bean with the id "dt".
- Class c1 =Class.forName("java.util.Date");  
Date dt =(Date)c1.newInstance();
- \*\* Container will keep the ref(dt) in the cache and the object reference as the value in the cache.
- Because of <property name="date" ref="dt"/>  
container will setDate(dt) on the wmg object as shown below  
wmg.setDate(dt);

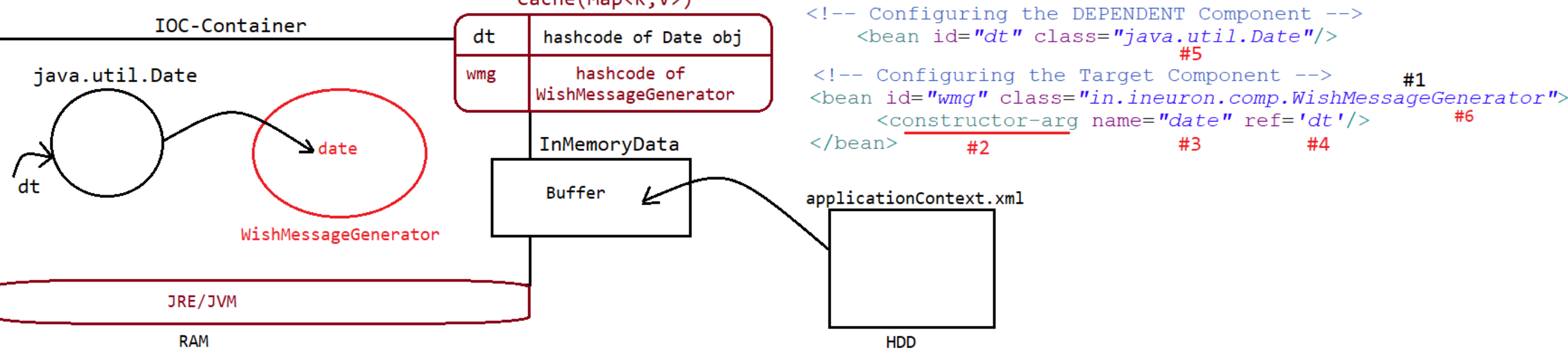
Note: Default scope of all the beans in IOC-container is "Singleton".

- Since the programm in running with the help of main(), when the main() finishes the execution  
=> Automatically container will be closed,due to which the internal cache, objects and  
InMemory data will be flushed from JVM area.  
=> Finally JVM also will be cleaned from JRE region.

#### ApplicationContext(I)



#### ConstructorInjection



Behind the scenes

- Object obj = factory.getBean("wmg");  
Container will check the internal cache for the bean with the id "wmg".  
since it is not available,container will also see how the bean has to be created.  
if it is through <constructor-arg> then container will check what is the bean id of the  
referenced object.  
<constructor-arg name='date' ref='dt'/>
- Since the injection is of <constructor-arg> container will create an object of depedent class for  
the bean id "dt".  
<bean id ="dt" class="java.util.Date"/>  
  
Date dt =(Date)Class.forName("java.util.Date").newInstance();  
  
The "dt" reference will be kept in the internal cache of IOC-cotnainer for future usage.
- Now the container will create an object of Target class by using Dependant object through constructor injection.  
<bean id="wmg" class="in.ineuron.comp.WishMessageGenerator">  
<constructor-arg name="date" ref="dt"/>  
</bean>

