**Spring Aware Interfaces for beans**

Sometimes it is required that our beans needs to get some information about **Spring container** and its **resources**.

For example, sometime bean need to know the **current Application Context** using which it can perform some operations like loading specific bean from the container in a programmatic way.

So to make the beans aware about this, spring provides lot of **Aware** interfaces.

All we have to do is, make our bean to implement the**Aware** interface and implement the **setter**method of it.

**org.springframework.beans.factory.Aware** is the root marker interface.

All the **Aware**interfaces which we use are the **sub interfaces** of the **Aware**interface.

**Some of the commonly used Aware interfaces are**

**1) ApplicationContextAware**  
Bean implementing this interface can get the **current application context** and this can be used to call any service from the application context

**2) BeanFactoryAware**  
Bean implementing this interface can get the **current bean factory** and this can be used to call any service from the bean factory

**3) BeanNameAware**  
Bean implementing this interface can get its **name**defined in the Spring container.

**4) MessageSourceAware**  
Bean implementing this interface can get the access to**message source** object which is used to achieve **internationalization**

**5) ServletContextAware**  
Bean implementing this interface can get the access to **ServeltContext**which is used to access servlet context parameters and attributes

**6) ServletConfigAware**  
Bean implementing this interface can get the access to **ServletConfig**object which is used to get the servlet config parameters

**7) ApplicationEventPublisherAware**  
Bean implementing this interface can publish the **application events** and we need to create listener which listen this event.

**8) ResourceLoaderAware**  
Bean implementing this interface can load the resources from the classpath or any external file.