**@Conditional**

• **org.springframework.context.annotation.Conditional**

annotation is used to indicate that the bean is eligable to be registered only

when the condition is valid.

• @**Conditional** became available in Spring 4.0.

• It is used for conditional registration of beans.

• So it is like an if-else for the registration of beans.

• A **condition** is any state that can be determined programmatically before

the bean definition is due to be registered

Conditional beanin registry olmasının bir sebebe bağlı olmasını sağlıyor.

Yani bir şart belirliyoruz o şart sağlanıyorsa o bean olusuyor, sağlanmıyorsa olusmuyor.

• @**Conditional** can be used with @**Component** and

@**Configuration**.

• @**Conditional** has an attribute of type array of

**org.springframework.context.annotation.Condition** and

its implementations so it can check one or **conditions** together.

• All of the **conditions** should be valid in order for the bean to be

registered.

**Conditional’ın bir attribute vardır. O da Condition arrayi alır ve hepsini bir arada check eğer bütün conditionlar true dönerse o zaman bean registry olur.(Application contexte)**

**Condition**

• Condition interface represents a single condition that must

be matched in order for a component to be registered.

• Conditions are checked immediately before the bean-definition is due to

be registered.

• It has a method called **matches**() that receives a

**ConditionContext, and AnnotatedTypeMetadata parameters**

**and returns a boolean.**

Conditionslar bütün bu bean-definitionlardan önce calıstırılır.

• Any kind of condition can be considered for beans:

• It can be whether a system or environmental property is available

• It can be whether the bean has a specific annotation

• etc.

**@Condition vs. @Profile**

• @**Condition** is a more generic version of @**Profile**.

• They both work on if-else fashion.

• If the profile is correct or the condition is set then beans are registered.

• Profiles are mainly used to select among environmental configurations

while conditions are used for any kind of selection of the beans.

• So profiles can be considered as a more coarse grained selection

strategy than conditions.

@Condition, @Profile’n daha generic hali diyebiliriz.