Spring Core with No XML Configuration - Spring with Annotations only

# Java Code

## SpringNoXMLConfig.java

package com.ddlab.spring;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.context.annotation.Configuration;

@Configuration

@ComponentScan(basePackages="com.ddlab.spring")

public class SpringNoXMLConfig {

}

## ICustomer.java

**To get only beans**

@Bean(value = “retail”)

Public ICustomer getRetailCustomer() {

Return new RetailCustomer()

}

There is no need to write @Component in RetailCustomer class

**package** com.ddlab.spring;

**public** **interface** ICustomer

{

**public** String getName();

**public** String getType();

}

## RetailCustomerImpl.java

**package** com.ddlab.spring;

**import** org.springframework.stereotype.Component;

@Component(value="retail")

**public** **class** RetailCustomerImpl **implements** ICustomer {

**public** String getName() {

**return** "John Abraham";

}

**public** String getType() {

**return** "Retail";

}

}

## CorporateCustomerImpl.java

**package** com.ddlab.spring;

**import** org.springframework.stereotype.Component;

@Component(value="corporate")

**public** **class** CorporateCustomerImpl **implements** ICustomer {

**public** String getName() {

**return** "JDA Software Inc.";

}

**public** String getType() {

**return** "Corporate";

}

}

## Bank.java

package com.ddlab.spring;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.beans.factory.annotation.Qualifier;

import org.springframework.stereotype.Component;

@Component(value="bank1")

public class Bank

{

@Autowired @Qualifier(value="retail") //@Qualifier(value="corporate")

private ICustomer customer;

public void display()

{

System.out.println("Customer Name : "+customer.getName());

System.out.println("Customer Type : "+customer.getType());

}

}

# Java code to Test

## TestBank.java

package com.ddlab.spring;

import org.springframework.context.ApplicationContext;

import org.springframework.context.annotation.AnnotationConfigApplicationContext;

public class TestBank {

@SuppressWarnings("resource")

public static void main(String[] args) {

ApplicationContext context = null;

context = new AnnotationConfigApplicationContext(SpringNoXMLConfig.class);

Bank bank = (Bank) context.getBean("bank1");

bank.display();

}

}