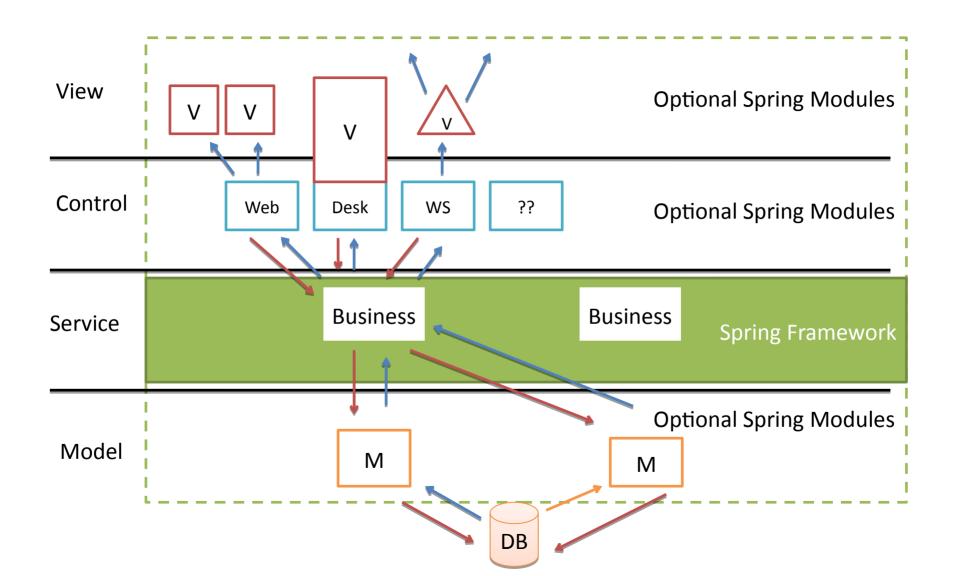


Spring

Spring Applications

Spring Applications

- A typical Spring Application manages Beans for:
 - The Service layer @Service
 - Data Access Objects @Repository
 - Controllers @Controller



Multiple Configurations

- The spring config file often gets large
 - Easy to split according to layers

- There are several ways to combine them
 - When creating the context pass in multiple files
 - You can import one config into another

Multiple Files

 You can always pass multiple files when creating a Spring Context

```
public class App {
    public static void main(String[] args) {
        String[] xmlResources ={"accountService.xml", "dataAccess.xml", "jmsService.xml"};
        ApplicationContext context = new ClassPathXmlApplicationContext(xmlResources);
        ...
    }
}
```

Import

Alternately you can import a config into another

```
@Configuration
@Import(EmailConfig.class)
public class AppConfig {
    @Autowired
    EmailService emailService;

    @Bean
    public CustomerService customerService(){
        CustomerService customerService = new CustomerServiceImpl();
        customerService.setEmailService(emailService);
        return customerService;
    }
}
```

Converting to use Spring

- When converting an application to use Spring
 - Remove all the **new** keywords for bean objects
 - Add meta data for objects to become beans
 - Add meta data for objects to connect (DI)
 - Be sure that the Spring Context is created