



LAB- Using Webservice inbound Gateway

In this lab you will be understanding how to use Webservice inbound gateway

In this lab, you will be working on **08-webservice-inbound-gateway-start** project

Steps

1) We want to develop a web application which accepts soap requests.

So, First Step is to configure MessageDispatcherServlet. Open web.xml and observe that this servlet is already configured for you.

2) When ever request comes to MessageDispatcherServlet, it has to invoke an endpoint method.

MessageDispatcherServlet used EndpointMapping to map soap requests to endpoints.

Open spring-ws-config.xml and configure a EndpointMapping as below :

```
<bean
class="org.springframework.ws.server.endpoint.mapping.UriEndpointMapping">
    <property name="defaultEndpoint" ref="ws-inbound-gateway"/>
</bean>
```

Observe that the above endpointmapping is configured with defaultEndpoint as ws-inbound-gateway

3) Observe that spring-ws-config.xml is importing classpath:inbound-gateway-config.xml

Open inbound-gateway-config.xml and complete TODO-1 using the below configuration.

See the configuration and understand how the orderprocessService.processOrder() is executed once the inbound gateway, places the message in "input" channel.

Can you tell where the response of service activator will go?

Can you tell how the gateway will get the response ?



4)Deploy this webapplication.

What will be your endpoint url ?

it will be `http://localhost:8080/08-webservice-inbound-gateway-start/ws`

5) We want to test this webservice.

Open `webservice-outbound-gateway.xml` 07-webservice-outbound-gateway-solution project.

Configure the uri of `int-ws:outbound-gatewau` as

`http://localhost:8080/08-webservice-inbound-gateway-start/ws`

Now Run `WebserviceOutboundGateWayDemo.java` and observe that you will be getting response.

To view the Soap Messages, use TCP/IP Monitor

Congratulations !! You know how to use Webservice inbound Gateway