



WSDL



What is WSDL?

- **Web Services Description Language** is a standard for describing the structure of the XML Data Exchange between the two System using SOAP message
- WSDL is used to specify the exact message format, internet protocol and address that client must use to communicate with a particular website
- **WSDL document specifies how to use the Web Service**

What is WSDL? (Contd.).

Web service is described as a set of communication endpoints that are capable of exchanging messages. These communication endpoints are called **ports**.

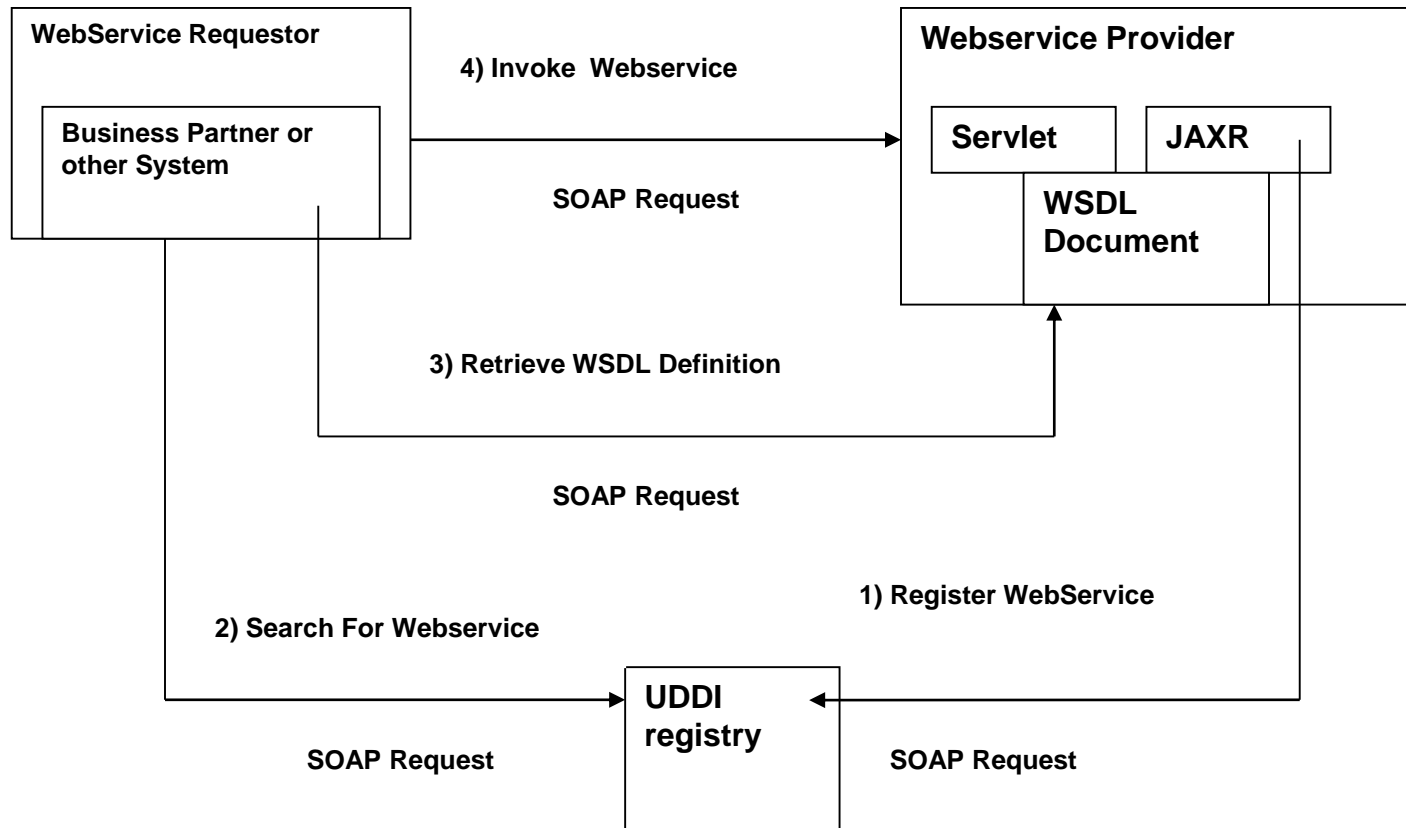
Endpoint is made of two parts:

- a) Abstract definitions of operations and messages
- b) Binding of operations and messages to a concrete network protocol and message encoding

Why WSDL?

- WSDL uses XML to describe interfaces
- Web service description enables automation of communication details in application to application communication
- Dynamic discovery and use
- Arbitration

Where is WSDL used?



Characteristics of Web Service

WSDL enables a service provider to specify the following characteristics of a Web service:

1. Name of the Web service and addressing information
2. Protocol and encoding style to be used when accessing the public operations of the Web service
3. Type information:

Operations, parameters, and data types comprising the interface of the Web service and a name for this interface

Web Service description

A WSDL service description is the XML grammar and vocabulary to describe a web service

If a service consumer has to make use of a web service, he must be able to determine

1. How to invoke the service
2. What is the service interface;
3. Where is the service located
4. What protocol does the service understand



Thank You

