

# WSDL - <PORTS> ELEMENT

[http://www.tutorialspoint.com/wsdl/wsdl\\_ports.htm](http://www.tutorialspoint.com/wsdl/wsdl_ports.htm)

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A **<port>** element defines an individual endpoint by specifying a single address for a binding.

Here is the grammar to specify a port:

```
<wsdl:definitions .... >
  <wsdl:service .... > *
    <wsdl:port name="nmtoken" binding="qname" > *
      <!-- extensibility element (1) -->
    </wsdl:port>
  </wsdl:service>
</wsdl:definitions>
```

- The port element has two attributes: *name* and *binding* .
- The name attribute provides a unique name among all ports defined within the enclosing WSDL document.
- The binding attribute refers to the binding using the linking rules defined by WSDL.
- Binding extensibility elements are used to specify the address information for the port.
- A port MUST NOT specify more than one address.
- A port MUST NOT specify any binding information other than address information.

Here is a piece of code from the Example chapter:

```
<service name="Hello_Service">
  <documentation>WSDL File for HelloService</documentation>
  <port binding="tns:Hello_Binding" name="Hello_Port">
    <soap:address
      location="http://www.examples.com/SayHello/">
    </port>
</service>
```