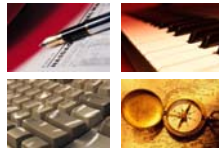


## Topics

### C01-2. Documents



- Code: 166125-01
- Course: Management of Technology
- Period: Spring 2013
- Professor: Sync Sangwon Lee, Ph. D

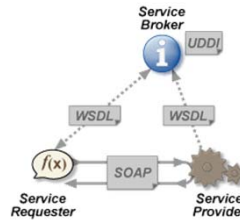
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- 01. WWW
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- 03. Web Service
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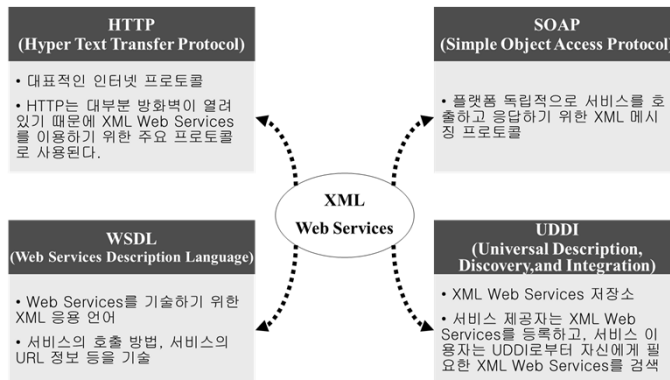
### 03. Web Service

- Web Service
  - A web service is a method of communication between two electronic devices over the World Wide Web. A web service is a software function provided at a network address over the web or the cloud, it is a service that is "always on" as in the concept of utility computing.



### 03. Web Service

- Technologies of Web Service
  - HTTP(Hyper Text Transfer Protocol)
  - WSDL(Web Services Description Language)
  - SOAP(Simple Object Access Protocol)
  - UDDI(Universal Description, Discovery, and Integration)



## 03. Web Service

- Technologies of Web Service
  - WSDL(Web Services Description Language)
    - The Web Services Description Language is an XML-based interface description language that is used for describing the functionality offered by a web service. A WSDL description of a web service (also referred to as a WSDL file) provides a machine-readable description of how the service can be called, what parameters it expects, and what data structures it returns. It thus serves a purpose that corresponds roughly to that of a method signature in a programming language.

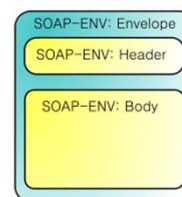
```
<?xml version="1.0" encoding="l
<definitions name="AktienKurs":
  targetNamespace="http://loca
  xmlns:xsd="http://schemas.xmlsoap.or
  xmlns="http://schemas.xmlsoap.org/wsd
  <service name="AktienKurs">
    <port name="AktienSoapPort" binding
      <soap:address location="http://loc
    </port>
    <message name="Aktie.HoleWert">
      <part name="body" element="xsd:Tra
    </message>
    ..
  </service>
</definitions>
```

WSDL

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## 03. Web Service

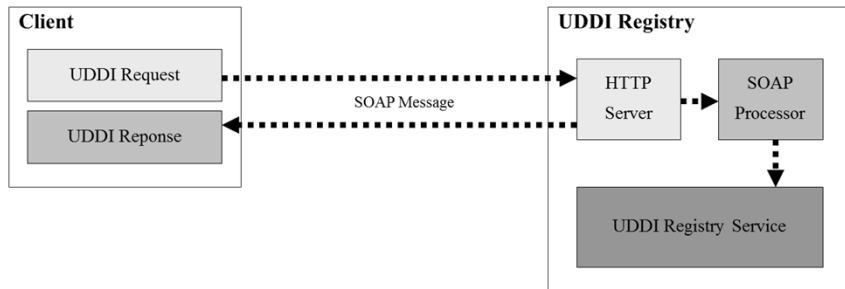
- Technologies of Web Service
  - SOAP(Simple Object Access Protocol)
    - SOAP, originally defined as Simple Object Access Protocol, is a protocol specification for exchanging structured information in the implementation of Web Services in computer networks. It relies on XML Information Set for its message format, and usually relies on other Application Layer protocols, most notably Hypertext Transfer Protocol (HTTP) or Simple Mail Transfer Protocol (SMTP), for message negotiation and transmission.



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### 03. Web Service

- Technologies of Web Service
  - UDDI(Universal Description, Discovery, and Integration)
    - Universal Description, Discovery and Integration (UDDI, pronounced Yu-di:) is a platform-independent, Extensible Markup Language (XML)-based registry by which businesses worldwide can list themselves on the Internet, and a mechanism to register and locate web service applications.



### 03. Web Service

- Structure of Web Service

