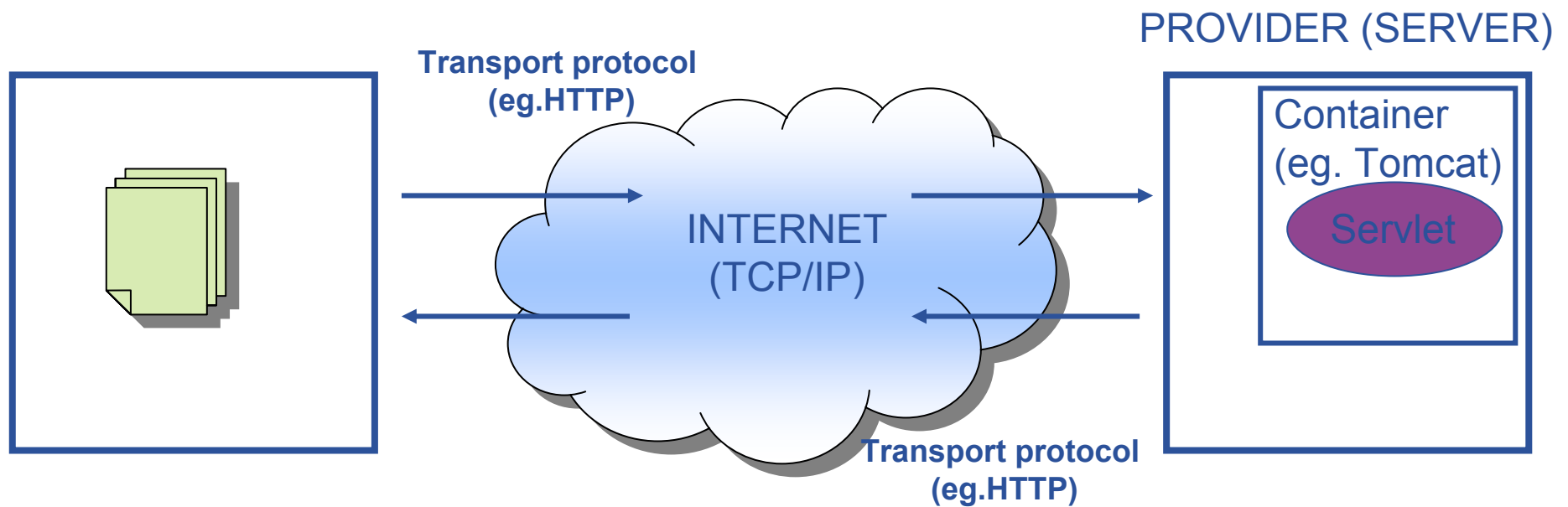
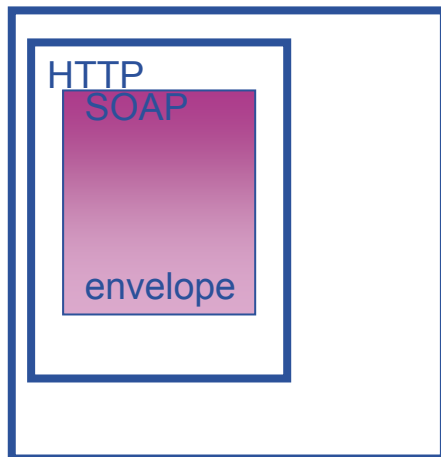


Introduction to Web service and WSRF

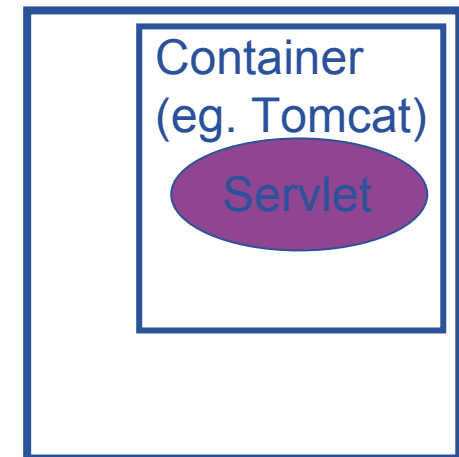
Viet Tran
Institute of Informatics
Slovakia

- **Web services are**
 - Applications that enable remote procedure calls over a network or the Internet often using XML and HTTP
- **Benefits**
 - This allows us to hide the details of how a service is implemented; only URL and data types are required
 - It is largely irrelevant to the client whether the service is developed with Java or ASP.NET or if it is running on Windows, Linux or any other platform

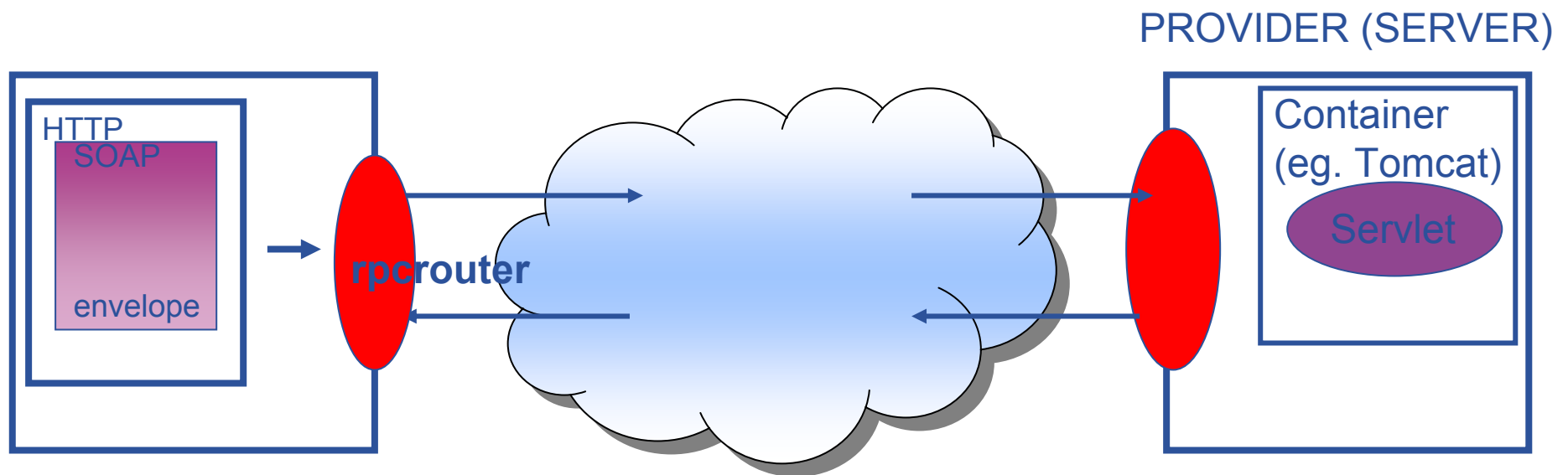




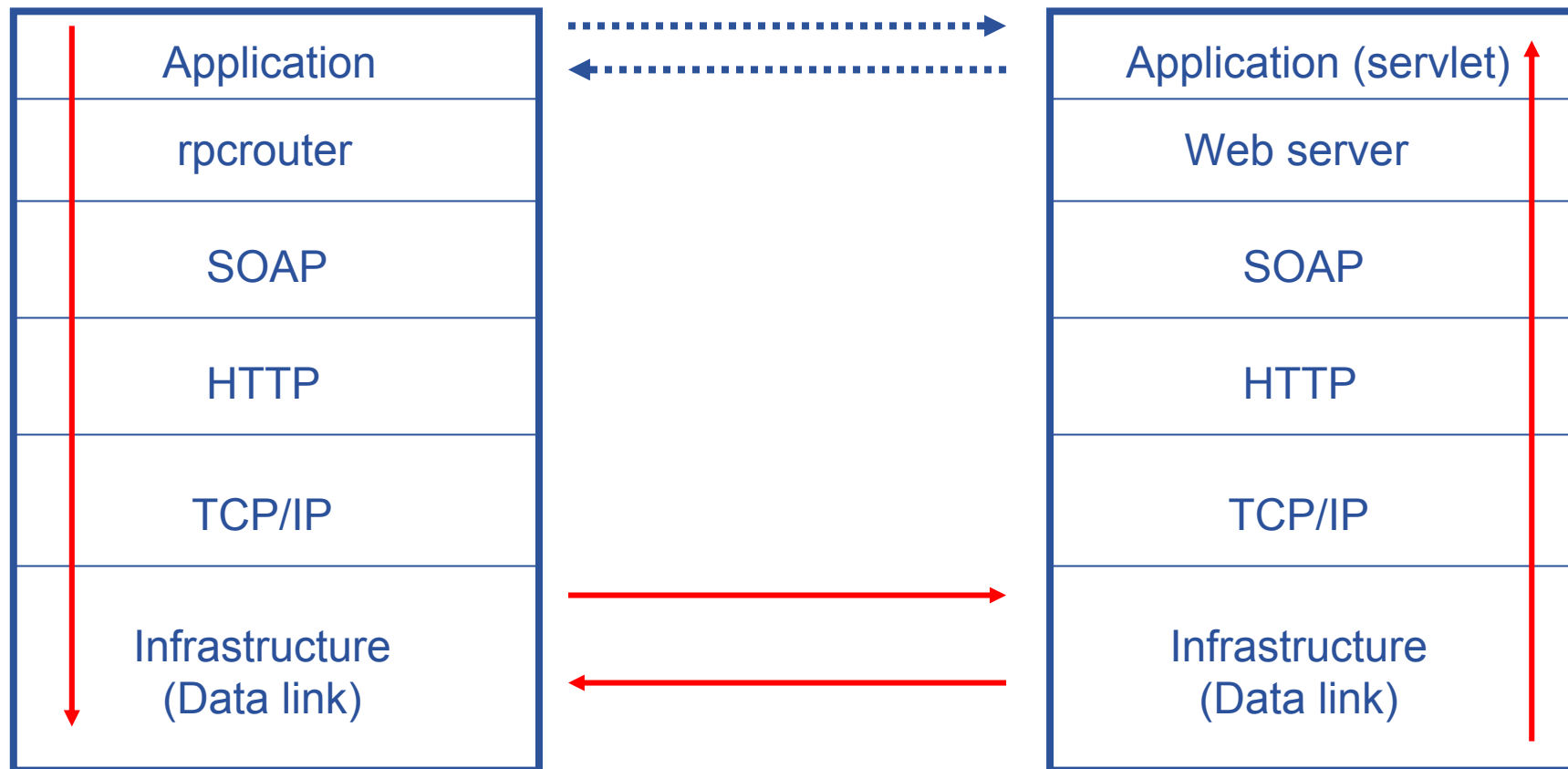
PROVIDER (SERVER)



Web service architecture



Web service architecture



- The basic standards for web services are:
- SOAP (simple object access protocol)
- WSDL (web services description language)
- UDDI (universal description, discovery and integration)

- **Describes the Web Service and defines the functions that are exposed in the Web Service**
- **Defines the XML grammar to be used in the messages**
 - Uses the W3C Schema language

