

SoapUITraining – Rahul Shetty

Material :

● **WebServices**

Web Service is an application or business logic that is accessible using standard Internet protocols via standardized XML messaging system.

- Web Services allows you to expose the functionality of your existing code over the network. Once it is exposed on the network, other application can use the functionality of your program
- Because all communication is in XML, web services are not tied to any one operating system or programming language
- Example:Java can talk with Perl; Windows applications can talk with Unix applications.
- There are specific standards to exchange the information between Webservices

SOAP is an XML-based protocol for exchanging information between Webservices.

- SOAP is acronym for Simple Object Access Protocol
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- SOAP requests are sent via an HTTP request and SOAP responses are returned within the content of the HTTP response
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- The basic Web services communication platform is XML + HTTP.
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● **Scenario:**

- Application “A” bundles Employee information into a Soap Message and sends to - WebService “B” over HTTP-request
- Web Service “B” unpacks the SOAP request and converts it into a command that the Dontnet application can understand
- Next, the Web Service B packages up the response into another SOAP message, which it sends back to the Application “A” in response to its HTTP request.-response
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- The Application “A” unpacks the SOAP message to obtain the results of the account registration process

