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What is a **SOAP** Web Service



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What is a SOAP web service?

- SOAP service is an XML-based service used to establish communications between two applications.
- SOAP is a W3C recommendation.
- SOAP is platform and language independent.



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Advantages of SOAP

- ➡ WS Security: SOAP defines its security known as WS Security.
- ➡ Language and Platform independent: SOAP web services can be written in any programming language and executed on any platform.



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Why SOAP is not preferred:

- ☞ SOAP service is complicated to build and maintain.
- ☞ SOAP service is slow in operations.
- ☞ SOAP service is dependent on XML and therefore language is restricted.



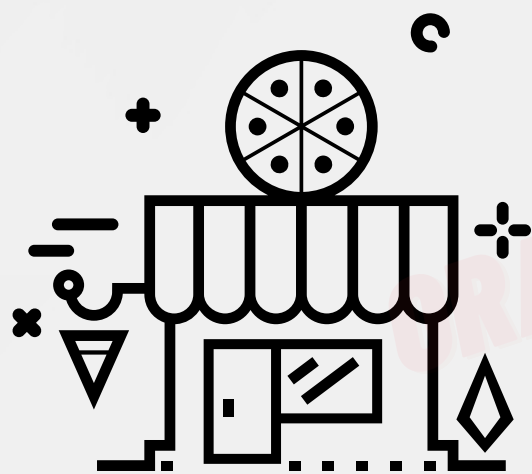
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Example:

You have an app to find pizza outlets. You connect it with the users to order pizzas. Your message is always in pre defined XML format and the response is always in the pre defined XML format.



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