

Web Services: SOAP, UDDI, and Semantic Web

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Abstract: As the World Wide Web has grown, it has been a challenge to allow meaningful understanding of content on the web. To face this challenge, several technologies and initiatives have been introduced under the umbrella of web services - such as SOAP, which is used to exchange information between web services, and UDDI which provides discovery services. Additionally, the semantic web has also been proposed to facilitate understanding. However, these initiatives conflict with the underlying architectural style of the World Wide Web (REST) and its predominate instantiation (HTTP). These mismatches are discussed along with potential recommendations to resolve these conflicts.