Abstract

One of the leading developments nowadays within distributed computing is Web Services. Essentially, a Web Service can easily be characterized as an XML structured interface that can easily be utilized by a client program to conjure a computing solution dispersed within a network by means of standard Internet protocols. In order for Web Services to turned out to be a widely used approach for the program to program communication, although, there necessity to be a reliable framework in place for exactly how Web Services that makes use of the general public Internet for transport can be appropriately safeguarded as well as secured. As the circumstances seems nowadays, the majority of services are not really openly revealed however they are frequently implemented within a corporate and business, exclusive network. This hinders the visualization of Web Services that can be openly published in directories which prospective consumers can browse to discover an appropriate service to gratify their particular requirement. This paper explains exactly what the standard threats and obstacles can be found in implementing secured Web Services over openly available and vulnerable networks, as they are described within the literature. It then proceeds to present an introduction to a few of the additional acknowledged security guidelines which happen to be starting to come through
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around.

References

- http://www.w3.org/TR/2003/REC-soap12-part0-20030624/-L1161...
- Hartwig Gunzer, Sales Engineer, Borland, Introduction to Web Services
- Stefan Decker, Sergey Melnik, Frank Van Harmelen, Dieter Fensel, Michel Klein, Jeen Broekstra, Michael Erdmann and Ian Horrocks, The Semantic Web: The Roles of XML and RDF, IEEE Internet Computing, September • October 2000,63-74
- Anders Toms Anders. Toms@ida.his.se Threats, Challenges and Emerging Standards in Web Services Security
- Hongbing Wang a, b, c,?, Joshua Zhexue Huang c, Yuzhong Qu b, Junyuan Xie a Web services: problems and future directions, (2004) 309–320
- Alo. U. Rita and 2Nweke. F. Henry 1, 2Computer Science Department, Ebonyi State


**Index Terms**

Computer Science  
Security

**Keywords**

Web Services  
Security  
XML Encryption  
WSE  
SAML  
Digital Signature  
WS Security.