

1 Internet-Draft

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4  
5 January XX, 2002

6  
7 Request for IANA Assigned port-number  
8 for "application/soap+xml" media type

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10 draft-sankar-soap-port-number-00.txt

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12 Status of this Memo

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14 This document is an Internet-Draft and is subject to all provisions of  
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32 This Internet-Draft will expire in July, 2003.

33  
34 Abstract

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36 This document defines a dedicated IANA assigned port number (10) for  
37 the SOAP 1.2 messages.

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39 1. Overview

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41 SOAP 1.2 is an XML Infoset[INFOSET] based protocol at the core of which  
42 is an envelope that defines a framework for describing what is in a  
43 message and how to process it, and a binding framework for exchanging  
44 messages using an underlying protocol. [SOAP12P1] & [SOAP12P2] describe  
45 this protocol in detail. [SOAPMEDIA] defines the application/soap+xml"  
46 media type, which can be used to describe SOAP 1.2 messages, serialized  
47 as XML.

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50 2. Requirement for a dedicated well known port number for SOAP 1.2

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52 Normally SOAP messages are carried thru tcp/udp or higher protocols  
53 using the basic tcp/udp protocols. Most popular binding is the  
54 SOAP/HTTP, so called HTTP tunneling. HTTP uses the well-known port  
55 number 80.

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58 [USINGHTTP] describes when and when not to use port 80. Using the  
59 criteria, SOAP is a "substantially new service", thus requiring  
60 a new port. The reasons are :

- 61
- 62 a) SOAP is very different than HTML,
- 63 b) SOAP messages would be processed by separate server  
64 processes and
- 65 c) Most importantly, there is a need for distinguishing this  
66 traffic separate from others.
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68 For these reasons, it is requested that IANA assign port 10 (tcp) and  
69 10 (udp) for SOAP messages.

70

71 It is RECOMMENDED that SOAP messages be exchanged thru the dedicated  
72 port number 10 (tcp) and 10 (udp). This would be most applicable to the  
73 SOAP/HTTP.

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### 75 3. Authors' Addresses

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### 85 4. References

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