

## Ruby - Bug #11179

### Inconsistent Addrinfo parsing a port number

05/25/2015 07:01 AM - ibenza (Shin'ya Ueoka)

<b>Status:</b>	Third Party's Issue	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Target version:</b>		
<b>ruby -v:</b>	ruby 2.3.0dev (2015-05-25 trunk 50637) [x86_64-linux]	<b>Backport:</b> 2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN
<b>Description</b> <p>In the case of the following code, ip_port returns 34464 because the number 99999 is cast as short int. Is the result expected?</p> <pre>require 'socket' Addrinfo.tcp('', 99999).ip_port    # =&gt; 34463</pre> <p>Even if the above behavior is correct, ip_port should return 65535 in the following code. But actually, Addrinfo raises an exception because -1 is parsed as service name. This behavior is inconsistent with the above.</p> <pre>require 'socket' Addrinfo.tcp('', -1).ip_port      # =&gt; Servname not supported for ai_socktype (SocketError)</pre>		

#### Associated revisions

**Revision 2f8d3280e0bbbf6d964d84ab4ae9456a1e8e8eb0 - 06/14/2015 10:11 AM - akr (Akira Tanaka)**

- ext/socket/raddrinfo.c (parse\_numeric\_port): Detect port overflow.  
(numeric\_getaddrinfo): Use parse\_numeric\_port.  
numeric\_getaddrinfo fails if port is too big now.  
This makes rb\_getaddrinfo invokes the real getaddrinfo() on such condition.  
This change is related to [ruby-core:69355] [Bug #11179].

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@50890 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 2f8d3280 - 06/14/2015 10:11 AM - akr (Akira Tanaka)**

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#### History

**#1 - 05/25/2015 08:50 AM - ibenza (Shin'ya Ueoka)**

- Subject changed from Addrinfo parsing a port number to Inconsistent Addrinfo parsing a port number

**#2 - 06/14/2015 09:39 AM - akr (Akira Tanaka)**

- Status changed from Open to Third Party's Issue

The behavior is inherited from getaddrinfo() function in libc.  
So it is difficult to fix the problem in Ruby.