Ruby trunk - Misc #10907

Documentation of Addrinfo.new suggests default family of PF_UNSPEC while in practise it appears to be AF_INET

02/26/2015 11:27 AM - yorickpeterse (Yorick Peterse)

Status:	Rejected	
Priority:	Normal	
Assignee:		

Description

The documentation of Addrinfo.new states the following:

> family is specified as an integer to specify the protocol family such as
> Socket::PF_INET. It can be a symbol or a string which is the constant name
> with or without PF_ prefix such as :INET, :INET6, :UNIX, "PF_INET", etc. If
> omitted, PF_UNSPEC is assumed.

However, the behaviour contradicts this:

```
Addrinfo.new(Socket.sockaddr_in(80, 'localhost')).afamily == Socket::PF_UNSPEC # => false
Addrinfo.new(Socket.sockaddr_in(80, 'localhost')).afamily == Socket::AF_INET   # => true
```

The question here is, which of the following is the case:

1. The documentation is simply incorrect, the default is always AF_INET
2. The behaviour is incorrect, it should be PF_UNSPEC instead of AF_INET
3. This is platform specific (meaning the documentation should state this)

On Twitter Matz mentioned
(https://twitter.com/YorickPeterse/status/570700823526830080) thinking it was
platform specific, but I'd like to be 100% sure about this.

Related issues:

Related to Ruby trunk - Bug #10908: Addrinfo.new appears to ignore the afamil...	**Rejected**	**02/26/2015**

History

#1 - 02/26/2015 11:28 AM - yorickpeterse (Yorick Peterse)

By the way, this was tested using ruby 2.2.0p0 (2014-12-25 revision 49005) [x86_64-linux] on Arch Linux (Linux yorickpeterse-macbook-olery
3.17.6-1-ARCH #1 SMP PREEMPT Sun Dec 7 23:43:32 UTC 2014 x86_64 GNU/Linux).

#2 - 02/27/2015 10:06 AM - yorickpeterse (Yorick Peterse)

It seems I am confusing afamily with pfamily. The pfamily indeed returns Socket::PF_UNSPEC by default.

#3 - 03/01/2015 12:33 AM - akr (Akira Tanaka)

- Status changed from Open to Rejected

Use pfamily as you noticed.

pfamily (and 2nd argument for Addrinfo.new) corresponds to ai_family field of struct addrinfo and will be used for 1st argument of socket().

afamily (and first 1 or 2 bytes in 1st argument for Addrinfo.new) corresponds to sa_family field of struct sockaddr and will be used for bind() or
connect().

#4 - 03/01/2015 12:37 AM - akr (Akira Tanaka)

- Related to Bug #10908: Addrinfo.new appears to ignore the afamily argument when using a String for sockaddr added