

Ruby - Feature #5180

net/http IP

08/10/2011 11:45 AM - naruse (Yui NARUSE)

Status:Closed Priority:Normal Assignee:naruse (Yui NARUSE) Target version:	
Description net/httpSocket IP DNS IP "ruby-lang.org" IP 127.0.0.1 Net::HTTP.start("ruby-lang.org", ipaddr: '127.0.0.1') diff --git a/lib/net/http.rb b/lib/net/http.rb index 7b9ec4f..6d034e0 100644 --- a/lib/net/http.rb +++ b/lib/net/http.rb @@ -524,7 +524,7 @@ module Net #:nodoc: # _opt_ :: optional hash # # _opt_ sets following values by its accessor. - # The keys are ca_file, ca_path, cert, cert_store, ciphers, + # The keys are ipaddr, ca_file, ca_path, cert, cert_store, ciphers, # close_on_empty_response, key, open_timeout, read_timeout, ssl_timeout, # ssl_version, use_ssl, verify_callback, verify_depth and verify_mode. # If you set :use_ssl as true, you can use https and default value of @@ -542,6 +542,7 @@ module Net #:nodoc: port, p_addr, p_port, p_user, p_pass = *arg port = https_default_port if !port && opt && opt[:use_ssl] http = new(address, port, p_addr, p_port, p_user, p_pass) + http.ipaddr = opt[:ipaddr] if opt[:ipaddr] if opt if opt[:use_ssl] @@ -575,6 +576,7 @@ module Net #:nodoc: def initialize(address, port = nil) @address = address @port = (port HTTP.default_port) + @ipaddr = nil @curr_http_version = HTTPVersion @no_keepalive_server = false @close_on_empty_response = false @@ -620,6 +622,17 @@ module Net #:nodoc: # The port number to connect to. attr_reader :port + # The IP address to connect to/used to connect to + def ipaddr + started? ? @socket.io.peeraddr[3] : @ipaddr + end + # Set the IP address to connect to + def ipaddr=(addr) + raise IOError, "ipaddr value changed, but session already started" if started? + @ipaddr = addr + end # Number of seconds to wait for the connection to open. Any number	

```

    # may be used, including Floats for fractional seconds. If the HTTP
    # object cannot open a connection in this many seconds, it raises a
@@ -945,7 +958,7 @@ module Net      #:nodoc:
    # without proxy

    def conn_address
-     address()
+     @ipaddr || address()
    end

    def conn_port

```

Related issues:

Has duplicate Ruby - Feature #15215: HTTPS server name indication (SNI): expl...

Closed

Associated revisions

Revision 54072e329cab7207fba133caba4fc12b45add8f9 - 12/09/2019 11:21 AM - naruse (Yui NARUSE)

Add ipaddr optional parameter to Net::HTTP#start

to replace the address for TCP/IP connection [Feature #5180]

There're 3 layers of hostname:

- host address for TCP/IP
 - TLS server name
 - HTTP Host header value
- To test DNS round robin or check server certificate from server local,
people sometimes want to connect server with given IP address but keep
TLS server name and HTTP Host header value.

closes [Feature #15215]

closes <https://github.com/ruby/ruby/pull/1893>

closes <https://github.com/ruby/ruby/pull/1977>

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Revision 54072e32 - 12/09/2019 11:21 AM - naruse (Yui NARUSE)

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History

#1 - 08/10/2011 12:23 PM - shyouhei (Shyouhei Urabe)

(08/10/2011 11:46 AM), Yui NARUSE wrote:

```

ruby-lang.org" IP 127.0.0.1

/etc/hosts
```

#2 - 08/10/2011 03:05 PM - naruse (Yui NARUSE)

Shyouhei Urabe wrote:

```

(08/10/2011 11:46 AM), Yui NARUSE wrote:

ruby-lang.org" IP 127.0.0.1

/etc/hosts
```

```

127.0.0.1

IP /etc/hosts
```

#3 - 08/10/2011 03:23 PM - akr (Akira Tanaka)

2011/8/10 15:05 Yui NARUSE naruse@airemix.jp:

```

IP /etc/hosts
```

resolv-replace TCPSocket.open

lexcal dynamic (local rebinding)

--
[Tanaka Akira]

#4 - 08/10/2011 05:23 PM - naruse (Yui NARUSE)

2011/8/10 15:20 Tanaka Akira akr@fsij.org:

```

IP /etc/hosts
```

resolv-replace TCPSocket.open

lexcal dynamic (local rebinding)

```

TCPSocket.open IP
```

```

require 'net/http'
addrs = %w/192.168.0.1 192.168.0.2 192.168.0.3/
addrs.each do |addr|
```

```
Net::HTTP.start('example.org', use_ssl: true, ipaddr: addr){|h| p h.get('/')}  
end
```

--
NARUSE, Yui naruse@airemix.jp

#5 - 08/10/2011 06:23 PM - Anonymous

load balancer の real IP の取得

```
Net::HTTP.start("127.0.0.1") {|h|  
  print h.request_get( '/index.html' , {"host"=>"ruby-lang.org"}).body  
}
```

※start の IP の指定 host の指定

Net::HTTP の使用

v4/v6 の指定
Net::HTTP::V4
Net::HTTP::V6

On Wed, 10 Aug 2011 15:05:24 +0900
Yui NARUSE naruse@airemix.jp wrote:

Issue [#5180](#) has been updated by Yui NARUSE.

Shyouhei Urabe wrote:

(08/10/2011 11:46 AM), Yui NARUSE wrote:

Net::HTTP.start("ruby-lang.org") の IP の取得 127.0.0.1

/etc/hosts の設定 Net::HTTP の使用

127.0.0.1 の指定

Net::HTTP.start("ruby-lang.org") の IP の取得

Net::HTTP.start("ruby-lang.org") の IP の取得

IP の指定 /etc/hosts の指定

Net::HTTP.start("ruby-lang.org") の IP の取得

Feature [#5180](#): net/http の IP の取得
<http://redmine.ruby-lang.org/issues/5180>

Author: Yui NARUSE

Status: Open

Priority: Normal

Assignee:

Category: lib

Target version:

net/http Net::HTTP.start("ruby-lang.org") の IP の取得
Socket IP の取得
DNS IP の取得
Net::HTTP.start("ruby-lang.org") の IP の取得 127.0.0.1

Net::HTTP.start("ruby-lang.org", ipaddr: '127.0.0.1')

Net::HTTP.start("ruby-lang.org", ipaddr: '127.0.0.1')

```
diff --git a/lib/net/http.rb b/lib/net/http.rb  
index 7b9ec4f..6d034e0 100644  
--- a/lib/net/http.rb  
+++ b/lib/net/http.rb  
@@ -524,7 +524,7 @@ module Net  
  # opt :: optional hash  
  #  
  # opt sets following values by its accessor.
```

- The keys are `ca_file`, `ca_path`, `cert`, `cert_store`, `ciphers`,
- The keys are `ipaddr`, `ca_file`, `ca_path`, `cert`, `cert_store`, `ciphers`,
`close_on_empty_response`, `key`, `open_timeout`, `read_timeout`,
`ssl_timeout`,
`ssl_version`, `use_ssl`, `verify_callback`, `verify_depth` and `verify_mode`.

If you set `:use_ssl` as true, you can use https and default value of

```
@@ -542,6 +542,7 @@ module Net #::nodoc:
port, p_addr, p_port, p_user, p_pass = *arg
port = https_default_port if !port && opt && opt[:use_ssl]
http = new(address, port, p_addr, p_port, p_user, p_pass)
```

- [REDACTED]

```
if opt
  if opt[:use_ssl]
```

```
@@ -575,6 +576,7 @@ module Net #::nodoc:
def initialize(address, port = nil)
@address = address
@port = (port || HTTP.default_port)
```

- [REDACTED]
@curr_http_version = HTTPVersion
@no_keepalive_server = false
@close_on_empty_response = false

```
@@ -620,6 +622,17 @@ module Net #::nodoc:
# The port number to connect to.
attr_reader :port
```

- The IP address to connect to/used to connect to

- def ipaddr

- [REDACTED]

- end

- Set the IP address to connect to

- def ipaddr=(addr)

- [REDACTED]

- [REDACTED]

- end

- Number of seconds to wait for the connection to open. Any number may be used, including Floats for fractional seconds. If the HTTP object cannot open a connection in this many seconds, it raises a

@@ -945,7 +958,7 @@ module Net #:nodoc:
without proxy

```
def conn_address
```

- [REDACTED]
- [REDACTED]

```
end
```

```
def conn_port
```

--
<http://redmine.ruby-lang.org>

#6 - 08/10/2011 06:53 PM - naruse (Yui NARUSE)

2011年8月10日 18:21 tadanori kojima tadanori.kojima@i2ts.com:

load balancer [REDACTED] **real IP** [REDACTED]

```
Net::HTTP.start("127.0.0.1") {|h|  
  print h.request_get( '/index.html' , {"host"=>"ruby-lang.org"}).body  
}
```

※start **IP** [REDACTED] **host** [REDACTED]

[REDACTED] HTTP [REDACTED]

[REDACTED] HTTP [REDACTED]
https [REDACTED] connection [REDACTED]

[REDACTED] v4/v6 [REDACTED] v4 [REDACTED]
[REDACTED]

[REDACTED]

--
NARUSE, Yui naruse@airemix.jp

#7 - 08/10/2011 06:59 PM - akr (Akira Tanaka)

2011年8月10日 17:20 NARUSE, Yui naruse@airemix.jp:

```
TCPSocket.open [REDACTED]  
[REDACTED] IP [REDACTED]  
[REDACTED]
```

[REDACTED]

[REDACTED]

net/http [REDACTED]

[REDACTED] [Tanaka Akira]

#8 - 08/11/2011 12:23 PM - Anonymous

On Wed, 10 Aug 2011 18:33:08 +0900
"NARUSE, Yui" naruse@airemix.jp wrote:

2011年8月10日 18:21 tadanori kojima tadanori.kojima@i2ts.com:

load balancer `real IP`

```
Net::HTTP.start("127.0.0.1") {|h|
  print h.request_get( '/index.html' , {"host"=>"ruby-lang.org"}).body
}
```

※start IP host

HTTP

HTTP connection

ssl common name
net/http.rb connect

```
--
s.connect
if @ssl_context.verify_mode != OpenSSL::SSL::VERIFY_NONE
  s.post_connection_check(@address)
end
--
```

```
1.8.5 cent5
--
diff -u net/http.rb.orig net/http.rb
--- net/http.rb.orig 2011-08-11 11:09:21.000000000 +0900
+++ net/http.rb 2011-08-11 11:39:08.000000000 +0900
@@ -470,6 +470,7 @@
@@ debug_output = nil
@@ use_ssl = false
@@ ssl_context = nil
```

-
- end
- def inspect
- @@ -526,6 +527,8 @@
- false # redefined in net/https
- end
- attr_accessor :common_name

• Opens TCP connection and HTTP session.

When this method is called with block, gives a HTTP object

```
@@ -585,7 +588,7 @@
end
s.connect
if @ssl_context.verify_mode != OpenSSL::SSL::VERIFY_NONE
```

-
-
- end
- end
- on_connect

```
--
require 'net/http'
addrs = %w/192.168.0.1 192.168.0.2 192.168.0.3/
```



```
2011/08/10 17:20 NARUSE, Yui naruse@airemix.jp:  

    TCPSocket.open  

    IP  

    
```

[illegible]

```
conn_address Proxy

```

#12 - 08/11/2011 11:23 PM - naruse (Yui NARUSE)

On Thu, 11 Aug 2011 15:30:06 +0900
Kazuhiro NISHIYAMA redmine@ruby-lang.org wrote:

[illegible]

06/13/2025

00000000<https://www.asahi.com/0000000000CN000000>
00000000000000000000000000000000

000net/http000000000000000000000000

-- hosts 00000000000000000000000000

--
NARUSE, Yui naruse@airemix.jp

#13 - 03/27/2012 02:31 AM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to naruse (Yui NARUSE)

0000

0000000000000000net/http 0000000000
000000000000000000
000000 net/http 00000000000000

000000000000000000
000000net/http 0000 issue 00000000
00000000000000000000000000000000

000000000000000000 reject 000000
000000 Eric Hodel 00000000000000

--
Yusuke Endoh mame@tsg.ne.jp

#14 - 03/27/2012 11:41 PM - naruse (Yui NARUSE)

- Status changed from Assigned to Rejected

0000 reject 0000

000000000000000000
000000000000000000

#15 - 12/09/2019 09:08 AM - naruse (Yui NARUSE)

- Has duplicate Feature #15215: HTTPS server name indication (SNI): explicit server_name in Net::HTTP added

#16 - 12/09/2019 09:13 AM - naruse (Yui NARUSE)

- Description updated

#17 - 12/09/2019 11:17 AM - naruse (Yui NARUSE)

- Status changed from Rejected to Open

#18 - 12/09/2019 11:23 AM - naruse (Yui NARUSE)

- Status changed from Open to Closed

Applied in changeset [git|54072e329cab7207fba133caba4fc12b45add8f9](https://github.com/ruby/ruby/commit/54072e329cab7207fba133caba4fc12b45add8f9).

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