

Ruby master - Feature #14771

Add method to create DNS resource from data string

05/17/2018 12:34 PM - ioquatix (Samuel Williams)

Status:	Open
Priority:	Normal
Assignee:	
Target version:	
Description	
<p>I recently played around with DNS over HTTPS.</p> <p>I found that it's a little bit tricky to generate the appropriate resource using the <code>Resolv::DNS::Resource</code> hierarchy.</p> <p>Here is what my code ended up:</p> <pre>if klass = Resolv::DNS::Resource.get_class(answer["type"], resource_class::ClassValue) if klass < Resolv::DNS::Resource::DomainName resource = klass.new(Resolv::DNS::Name.create(answer["data"])) else resource = klass.new(answer["data"]) end end</pre> <p>It would be nice to have a simpler interface, e.g.</p> <pre>if klass = Resolv::DNS::Resource.get_class(answer["type"], resource_class::ClassValue) klass.create(answer["data"]) end</pre> <p>In this case, the <code>Resource#create</code> method would take a data string and convert it to a name if required.</p> <p>The base resource class could just have alias <code>create new</code>, while the <code>DomainName</code> class could have:</p> <pre>def create(data) self.new(Name.create(data)) end</pre> <p>Or something like that.</p>	

History

#1 - 05/17/2018 12:36 PM - ioquatix (Samuel Williams)

The suggested code should be (missing resource =):

```
if klass = Resolv::DNS::Resource.get_class(answer["type"], resource_class::ClassValue)
  resource = klass.create(answer["data"])
end
```

#2 - 05/17/2018 01:16 PM - shevegen (Robert A. Heiler)

Although I myself have not used/needed `Resolv::DNS::Resource` yet, if the proposed `#create` method does not conflict with anything in `Resolv`, then I think it is fine to add it. (If I understood it correctly then this is mostly alias-related, with the toplevel `create` doing a bit more than just an alias, so it should not be a problem I think?)

Documentation should not be forgotten for the new toplevel `create` method, if it is accepted by matz/the ruby core team.

#3 - 05/17/2018 10:43 PM - ioquatix (Samuel Williams)

The other record where it could be useful would be the `TXT` record which required to use a chunked string format.