

Smart Proxy - Bug #17890

PowerDNS smartproxy fails because of AAAA/IPV6 record failure

01/02/2017 09:06 AM - El Joppa

Status:	Resolved	
Priority:	Normal	
Assignee:	Ewoud Kohl van Wijngaarden	
Category:	DNS	
Target version:		
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases: 1.14.0
Bugzilla link:		Red Hat JIRA:
Pull request:		

Description

```
ii foreman-proxy          1.14.0~rc2-1      all      RESTful proxies for DNS, DHCP, TFTP, and Puppet
ii ruby-smart-proxy-dns-powerdns 0.2.1-1          all      PowerDNS DNS provider plugin for Foreman's smart proxy
```

Ubuntu 16.04.

Are there any possibility to not manage these AAAA records?

```
E, [2017-01-02T14:03:38.995441 ] ERROR -- : undefined method `create_aaaa_record' for #<Proxy::Dns
::Powerdns::Backend::Mysql:0x000000027fb5c8>
```

```
Did you mean? create_a_record
               create_record
               create_cname_record
               create_ptr_record
```

```
D, [2017-01-02T14:03:38.995584 ] DEBUG -- : undefined method `create_aaaa_record' for #<Proxy::Dns
::Powerdns::Backend::Mysql:0x000000027fb5c8>
```

```
Did you mean? create_a_record
               create_record
               create_cname_record
               create_ptr_record (NoMethodError)
```

```
/usr/share/foreman-proxy/modules/dns/dns_api.rb:28:in `block in <class:Api>'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1611:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1611:in `block in compile!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:975:in `block (3 levels) in route!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:994:in `route_eval'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:975:in `block (2 levels) in route!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1015:in `block in process_route'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1013:in `catch'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1013:in `process_route'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:973:in `block in route!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:972:in `each'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:972:in `route!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1085:in `block in dispatch!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `block in invoke'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `catch'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `invoke'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1082:in `dispatch!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:907:in `block in call!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `block in invoke'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `catch'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `invoke'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:907:in `call!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:895:in `call'
/usr/lib/ruby/vendor_ruby/rack/commonlogger.rb:33:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:219:in `call'
/usr/share/foreman-proxy/lib/proxy/log.rb:88:in `call'
/usr/share/foreman-proxy/lib/proxy/request_id_middleware.rb:9:in `call'
```

```
/usr/lib/ruby/vendor_ruby/rack/protection/xss_header.rb:18:in `call'  
/usr/lib/ruby/vendor_ruby/rack/protection/path_traversal.rb:16:in `call'  
/usr/lib/ruby/vendor_ruby/rack/protection/json_csrf.rb:18:in `call'  
/usr/lib/ruby/vendor_ruby/rack/protection/base.rb:49:in `call'  
/usr/lib/ruby/vendor_ruby/rack/protection/base.rb:49:in `call'  
/usr/lib/ruby/vendor_ruby/rack/protection/frame_options.rb:31:in `call'  
/usr/lib/ruby/vendor_ruby/rack/nulllogger.rb:9:in `call'  
/usr/lib/ruby/vendor_ruby/rack/head.rb:13:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/show_exceptions.rb:25:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:182:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:2013:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1487:in `block in call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1787:in `synchronize'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1487:in `call'  
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:66:in `block in call'  
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:50:in `each'  
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:50:in `call'  
/usr/lib/ruby/vendor_ruby/rack/builder.rb:153:in `call'  
/usr/lib/ruby/vendor_ruby/rack/handler/webrick.rb:88:in `service'  
/usr/lib/ruby/2.3.0/webrick/httpserver.rb:140:in `service'  
/usr/lib/ruby/2.3.0/webrick/httpserver.rb:96:in `run'  
/usr/lib/ruby/2.3.0/webrick/server.rb:296:in `block in start_thread'
```

History

#1 - 01/02/2017 08:29 PM - Ewoud Kohl van Wijngaarden

- Project changed from Foreman to Smart Proxy
- Category set to DNS
- Status changed from New to Feedback
- Assignee set to Ewoud Kohl van Wijngaarden

I released version 0.3.0 which should have fixed this issue, but it was only added to the 1.14 repo a few hours ago. Can upgrade to the latest version and verify it works?

#2 - 01/03/2017 05:04 AM - El Joppa

0.3.0 fixed AAAA records. Now i have some issues with PTR:

```
W, [2017-01-03T09:51:21.425010 ] WARN -- : Proxy::Dns::Record#ptr_record_conflicts with a non-ptr record parameter has been deprecated and will be removed in future versions of Smart-Proxy.  
Please use ::Proxy::Dns::Record#ptr_record_conflicts('101.212.58.216.in-addr.arpa') form  
at instead.  
E, [2017-01-03T09:51:21.441508 ] ERROR -- : Unable to determine zone. Zone must exist in PowerDNS.  
D, [2017-01-03T09:51:21.441569 ] DEBUG -- : Unable to determine zone. Zone must exist in PowerDNS. (Proxy::Dns  
::Error)  
/usr/lib/ruby/vendor_ruby/smart_proxy_dns_powerdns/backend/mysql.rb:29:in `get_zone'  
/usr/lib/ruby/vendor_ruby/smart_proxy_dns_powerdns/dns_powerdns_main.rb:61:in `do_create'  
/usr/lib/ruby/vendor_ruby/smart_proxy_dns_powerdns/dns_powerdns_main.rb:56:in `create_ptr_record'  
/usr/share/foreman-proxy/modules/dns/dns_api.rb:33:in `block in <class:Api>'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1611:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1611:in `block in compile!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:975:in `block (3 levels) in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:994:in `route_eval'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:975:in `block (2 levels) in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1015:in `block in process_route'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1013:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1013:in `process_route'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:973:in `block in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:972:in `each'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:972:in `route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1085:in `block in dispatch!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `block in invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1082:in `dispatch!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:907:in `block in call!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `block in invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `invoke'
```

```

/usr/lib/ruby/vendor_ruby/sinatra/base.rb:907:in `call!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:895:in `call'
/usr/lib/ruby/vendor_ruby/rack/commonlogger.rb:33:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:219:in `call'
/usr/share/foreman-proxy/lib/proxy/log.rb:88:in `call'
/usr/share/foreman-proxy/lib/proxy/request_id_middleware.rb:9:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/xss_header.rb:18:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/path_traversal.rb:16:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/json_csrf.rb:18:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/base.rb:49:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/base.rb:49:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/frame_options.rb:31:in `call'
/usr/lib/ruby/vendor_ruby/rack/nulllogger.rb:9:in `call'
/usr/lib/ruby/vendor_ruby/rack/head.rb:13:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/show_exceptions.rb:25:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:182:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:2013:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1487:in `block in call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1787:in `synchronize'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1487:in `call'
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:66:in `block in call'
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:50:in `each'
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:50:in `call'
/usr/lib/ruby/vendor_ruby/rack/builder.rb:153:in `call'
/usr/lib/ruby/vendor_ruby/rack/handler/webrick.rb:88:in `service'
/usr/lib/ruby/2.3.0/webrick/httpserver.rb:140:in `service'
/usr/lib/ruby/2.3.0/webrick/httpserver.rb:96:in `run'
/usr/lib/ruby/2.3.0/webrick/server.rb:296:in `block in start_thread'

```

Im not sure which zone it is looking for though, i have 0.0.0.10.in-addr.arpa. defined in PowerDNS.

#3 - 01/03/2017 05:58 AM - EI Joppa

My bad, the node is not in the specified subnet.

#4 - 01/03/2017 06:17 AM - EI Joppa

Rolf Larsen wrote:

0.3.0 fixed AAAA records. Now i have some issues with PTR:

[...]

Im not sure which zone it is looking for though, i have 0.0.0.10.in-addr.arpa. defined in PowerDNS.

Although trying to rebuild a node in the subnet i get the same message:

```

W, [2017-01-03T11:15:03.178794 ] WARN -- : Proxy::Dns::Record#ptr_record_conflicts with a non-ptr record parameter has been deprecated and will be removed in future versions of Smart-Proxy.
Please use ::Proxy::Dns::Record#ptr_record_conflicts('101.212.58.216.in-addr.arpa') form
at instead.
E, [2017-01-03T11:15:03.181339 ] ERROR -- : Unable to determine zone. Zone must exist in PowerDNS.
D, [2017-01-03T11:15:03.181413 ] DEBUG -- : Unable to determine zone. Zone must exist in PowerDNS. (Proxy::Dns
::Error)
/usr/lib/ruby/vendor_ruby/smart_proxy_dns_powerdns/backend/mysql.rb:29:in `get_zone'
/usr/lib/ruby/vendor_ruby/smart_proxy_dns_powerdns/dns_powerdns_main.rb:61:in `do_create'
/usr/lib/ruby/vendor_ruby/smart_proxy_dns_powerdns/dns_powerdns_main.rb:56:in `create_ptr_record'
/usr/share/foreman-proxy/modules/dns/dns_api.rb:33:in `block in <class:Api>'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1611:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1611:in `block in compile!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:975:in `block (3 levels) in route!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:994:in `route_eval'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:975:in `block (2 levels) in route!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1015:in `block in process_route'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1013:in `catch'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1013:in `process_route'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:973:in `block in route!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:972:in `each'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:972:in `route!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1085:in `block in dispatch!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `block in invoke'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `catch'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `invoke'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1082:in `dispatch!'

```

```
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:907:in `block in call!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `block in invoke'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `catch'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1067:in `invoke'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:907:in `call!'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:895:in `call'
/usr/lib/ruby/vendor_ruby/rack/commonlogger.rb:33:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:219:in `call'
/usr/share/foreman-proxy/lib/proxy/log.rb:88:in `call'
/usr/share/foreman-proxy/lib/proxy/request_id_middleware.rb:9:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/xss_header.rb:18:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/path_traversal.rb:16:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/json_csrf.rb:18:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/base.rb:49:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/base.rb:49:in `call'
/usr/lib/ruby/vendor_ruby/rack/protection/frame_options.rb:31:in `call'
/usr/lib/ruby/vendor_ruby/rack/nulllogger.rb:9:in `call'
/usr/lib/ruby/vendor_ruby/rack/head.rb:13:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/show_exceptions.rb:25:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:182:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:2013:in `call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1487:in `block in call'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1787:in `synchronize'
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1487:in `call'
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:66:in `block in call'
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:50:in `each'
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:50:in `call'
/usr/lib/ruby/vendor_ruby/rack/builder.rb:153:in `call'
/usr/lib/ruby/vendor_ruby/rack/handler/webrick.rb:88:in `service'
/usr/lib/ruby/2.3.0/webrick/httpserver.rb:140:in `service'
/usr/lib/ruby/2.3.0/webrick/httpserver.rb:96:in `run'
/usr/lib/ruby/2.3.0/webrick/server.rb:296:in `block in start_thread'
I, [2017-01-03T11:15:03.183083 ] INFO -- : 10.0.70.34 -- [03/Jan/2017:11:15:03 +0000] "POST /dns/ HTTP/1.1"
400 54 0.0051
```

#5 - 01/03/2017 07:10 AM - Ewoud Kohl van Wijngaarden

I already noticed that the logging was fairly minimal and I really need to improve on that. My guess is that it's trying to create an IPv6 reverse DNS record, possibly because of [#17895](#).

If you're on IRC we can try to debug it there together, otherwise we can try it here.

#6 - 01/03/2017 07:25 AM - Ewoud Kohl van Wijngaarden

I created https://github.com/theforeman/smart_proxy_dns_powerdns/pull/30 which you can apply locally:

```
cd /usr/lib/ruby/vendor_ruby/smart_proxy_dns_powerdns && curl https://patch-diff.githubusercontent.com/raw/theforeman/smart_proxy_dns_powerdns/pull/30.patch | patch -p1
service foreman-proxy restart
```

#7 - 01/03/2017 08:16 AM - Ewoud Kohl van Wijngaarden

- Status changed from Feedback to Resolved

Confirmed (on IRC) that the logging patch works and also that the last error was a legitimate error since the zone did not exist. After creating it, everything worked as intended.