

Smart Proxy - Bug #12392

100% cpu usage on foreman-proxy DHCP calls

11/04/2015 06:40 AM - Matt Jarvis

Status: Resolved	
Priority: Normal	
Assignee:	
Category: DHCP	
Target version:	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases: 1.9.2
Bugzilla link:	Red Hat JIRA:
Pull request:	
Description	
At least since 1.8, the cpu usage on the foreman-proxy has been increasing massively. We now see it using 100% of cpu time, although it does appear to still be running as it's logging stuff, it's extremely slow and we see timeouts communicating with it. This is using Bind and isc-dhcp-server, and strangely restarting all of the daemons and the proxy itself seems to fix it for a while. I've tried upgrading to the latest git code, and this doesn't make any difference.	
Related issues:	
Related to Smart Proxy - Bug #12359: 100% cpu usage foreman-proxy after upgra...	Resolved 10/31/2015
Related to Smart Proxy - Bug #2687: Performance issues with large ISC dataset...	Closed 06/20/2013
Related to Foreman - Bug #12425: Fact import triggers ip conflicts checks, wh...	Closed

History

#1 - 11/04/2015 06:41 AM - Dominic Cleal

- Related to Bug #12359: 100% cpu usage foreman-proxy after upgrade to 1.9 added

#2 - 11/04/2015 06:42 AM - Dominic Cleal

- Project changed from Foreman to Smart Proxy
- Category deleted (Smart Proxy)
- Status changed from New to Need more information

Could you check the comment on [#12359](#) and try the same debugging step that Lukas suggests there? It will help us narrow down the area of code affecting it.

Also, please say if you have any smart proxy plugins installed - either RPMs with a rubygem-smart_proxy* prefix, or Debian packages with a ruby-smart-proxy* prefix.

#3 - 11/04/2015 09:19 AM - Matt Jarvis

We don't have any smart proxy plugins installed. I'll try the debugging step.

#4 - 11/04/2015 09:28 AM - Matt Jarvis

launcher.rb only exists in latest smart-proxy code - can I patch the trap code in somewhere else in 1.9.2 ?

#5 - 11/04/2015 09:33 AM - Dominic Cleal

Here you go, this is the same patch designed for 1.9 - changing smart_proxy.rb instead:

https://github.com/foreman/smart-proxy/compare/foreman:1.9-stable...domcleal:1.9-stable-ttin_patch

#6 - 11/04/2015 09:53 AM - Matt Jarvis

Starting thread dump for current Ruby process =====

```
Thread TID-11812860
/usr/share/foreman-proxy/lib/smart_proxy.rb:151:in `block (2 levels) in launch'
/usr/share/foreman-proxy/lib/smart_proxy.rb:149:in `each'
```

```
/usr/share/foreman-proxy/lib/smart_proxy.rb:149:in `block in launch'  
/usr/share/foreman-proxy/lib/smart_proxy.rb:155:in `call'  
/usr/share/foreman-proxy/lib/smart_proxy.rb:155:in `join'  
/usr/share/foreman-proxy/lib/smart_proxy.rb:155:in `launch'  
./bin/smart-proxy:6:in `<main>'
```

Thread TID-11683980

```
/usr/lib/ruby/1.9.1/webrick/server.rb:98:in `block in start'  
/usr/lib/ruby/1.9.1/webrick/server.rb:22:in `start'  
/usr/lib/ruby/1.9.1/webrick/server.rb:89:in `start'  
/usr/lib/ruby/vendor_ruby/rack/handler/webrick.rb:14:in `run'  
/usr/lib/ruby/vendor_ruby/rack/server.rb:264:in `start'  

```

Thread TID-16558360

```
/usr/lib/ruby/1.9.1/webrick/utils.rb:184:in `block in initialize'
```

Thread TID-16412380

```
/usr/lib/ruby/1.9.1/monitor.rb:185:in `mon_enter'  
/usr/lib/ruby/1.9.1/monitor.rb:209:in `mon_synchronize'  
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'  
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'  
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'  
/usr/share/foreman-proxy/modules/dhcp/subnet.rb:115:in `add_record'  
/usr/share/foreman-proxy/modules/dhcp/record.rb:19:in `initialize'  
/usr/share/foreman-proxy/modules/dhcp/record/lease.rb:12:in `initialize'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:122:in `new'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:122:in `block in loadSubnetData'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:98:in `scan'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:98:in `loadSubnetData'  
/usr/share/foreman-proxy/modules/dhcp/subnet.rb:65:in `load'  
/usr/share/foreman-proxy/modules/dhcp/subnet.rb:75:in `records'  
/usr/share/foreman-proxy/modules/dhcp/server.rb:79:in `block in find_record'  
/usr/share/foreman-proxy/modules/dhcp/server.rb:78:in `each'  
/usr/share/foreman-proxy/modules/dhcp/server.rb:78:in `find_record'  
/usr/share/foreman-proxy/modules/dhcp/dhcp_api.rb:84:in `block in <class:DhcpApi>'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1541:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1541:in `block in compile!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:950:in `[]'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:950:in `block (3 levels) in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:966:in `route_eval'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:950:in `block (2 levels) in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:987:in `block in process_route'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:985:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:985:in `process_route'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:948:in `block in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:947:in `each'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:947:in `route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1059:in `block in dispatch!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `block in invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1056:in `dispatch!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:882:in `block in call!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `block in invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:882:in `call!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:870:in `call'  
/usr/lib/ruby/vendor_ruby/rack/methodoverride.rb:21:in `call'  
/usr/lib/ruby/vendor_ruby/rack/commonlogger.rb:33:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:212:in `call'  
/usr/share/foreman-proxy/lib/proxy/log.rb:35: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:50:in `call'  
/usr/lib/ruby/vendor_ruby/rack/protection/base.rb:50: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:11:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/showexceptions.rb:21:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:175:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1949:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1449:in `block in call'
```

```
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1726:in `synchronize'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1449:in `call'  
/usr/lib/ruby/vendor_ruby/rack/builder.rb:138:in `call'  
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:65: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:138:in `call'  
/usr/lib/ruby/vendor_ruby/rack/handler/webrick.rb:60:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpservlet.rb:138:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpservlet.rb:94:in `run'  
/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
```

Thread TID-70152626059540

```
/usr/lib/ruby/1.9.1/logger.rb:568:in `block in write'  
/usr/lib/ruby/1.9.1/monitor.rb:211:in `mon_synchronize'  
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'  
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'  
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'  
/usr/share/foreman-proxy/modules/dhcp/subnet.rb:115:in `add_record'  
/usr/share/foreman-proxy/modules/dhcp/record.rb:19:in `initialize'  
/usr/share/foreman-proxy/modules/dhcp/record/lease.rb:12:in `initialize'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:122:in `new'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:122:in `block in loadSubnetData'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:98:in `scan'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:98:in `loadSubnetData'  
/usr/share/foreman-proxy/modules/dhcp/subnet.rb:65:in `load'  
/usr/share/foreman-proxy/modules/dhcp/subnet.rb:75:in `records'  
/usr/share/foreman-proxy/modules/dhcp/server.rb:79:in `block in find_record'  
/usr/share/foreman-proxy/modules/dhcp/server.rb:78:in `each'  
/usr/share/foreman-proxy/modules/dhcp/server.rb:78:in `find_record'  
/usr/share/foreman-proxy/modules/dhcp/dhcp_api.rb:84:in `block in <class:DhcpApi>'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1541:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1541:in `block in compile!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:950:in `[]'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:950:in `block (3 levels) in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:966:in `route_eval'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:950:in `block (2 levels) in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:987:in `block in process_route'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:985:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:985:in `process_route'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:948:in `block in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:947:in `each'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:947:in `route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1059:in `block in dispatch!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `block in invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1056:in `dispatch!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:882:in `block in call!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `block in invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:882:in `call!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:870:in `call'  
/usr/lib/ruby/vendor_ruby/rack/methodoverride.rb:21:in `call'  
/usr/lib/ruby/vendor_ruby/rack/commonlogger.rb:33:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:212:in `call'  
/usr/share/foreman-proxy/lib/proxy/log.rb:35: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:50:in `call'  
/usr/lib/ruby/vendor_ruby/rack/protection/base.rb:50: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:11:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/showexceptions.rb:21:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:175:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1949:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1449:in `block in call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1726:in `synchronize'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1449:in `call'  
/usr/lib/ruby/vendor_ruby/rack/builder.rb:138:in `call'  
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:65: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:138:in `call'  
/usr/lib/ruby/vendor_ruby/rack/handler/webrick.rb:60:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpservlet.rb:138:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpservlet.rb:94:in `run'  
/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
```

Thread TID-70152625007680

```
/usr/lib/ruby/1.9.1/monitor.rb:185:in `mon_enter'  
/usr/lib/ruby/1.9.1/monitor.rb:209:in `mon_synchronize'  
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'  
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'  
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'  
/usr/share/foreman-proxy/modules/dhcp/subnet.rb:115:in `add_record'  
/usr/share/foreman-proxy/modules/dhcp/record.rb:19:in `initialize'  
/usr/share/foreman-proxy/modules/dhcp/record/lease.rb:12:in `initialize'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:122:in `new'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:122:in `block in loadSubnetData'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:98:in `scan'  
/usr/share/foreman-proxy/modules/dhcp/providers/server/isc.rb:98:in `loadSubnetData'  
/usr/share/foreman-proxy/modules/dhcp/subnet.rb:65:in `load'  
/usr/share/foreman-proxy/modules/dhcp/subnet.rb:75:in `records'  
/usr/share/foreman-proxy/modules/dhcp/server.rb:79:in `block in find_record'  
/usr/share/foreman-proxy/modules/dhcp/server.rb:78:in `each'  
/usr/share/foreman-proxy/modules/dhcp/server.rb:78:in `find_record'  
/usr/share/foreman-proxy/modules/dhcp/dhcp_api.rb:84:in `block in <class:DhcpApi>'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1541:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1541:in `block in compile!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:950:in `[]'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:950:in `block (3 levels) in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:966:in `route_eval'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:950:in `block (2 levels) in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:987:in `block in process_route'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:985:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:985:in `process_route'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:948:in `block in route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:947:in `each'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:947:in `route!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1059:in `block in dispatch!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `block in invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1056:in `dispatch!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:882:in `block in call!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `block in invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `catch'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1041:in `invoke'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:882:in `call!'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:870:in `call'  
/usr/lib/ruby/vendor_ruby/rack/methodoverride.rb:21:in `call'  
/usr/lib/ruby/vendor_ruby/rack/commonlogger.rb:33:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:212:in `call'  
/usr/share/foreman-proxy/lib/proxy/log.rb:35: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:50:in `call'  
/usr/lib/ruby/vendor_ruby/rack/protection/base.rb:50: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:11:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/showexceptions.rb:21:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:175:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1949:in `call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1449:in `block in call'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1726:in `synchronize'  
/usr/lib/ruby/vendor_ruby/sinatra/base.rb:1449:in `call'  
/usr/lib/ruby/vendor_ruby/rack/builder.rb:138:in `call'  
/usr/lib/ruby/vendor_ruby/rack/urlmap.rb:65: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:138:in `call'  
/usr/lib/ruby/vendor_ruby/rack/handler/webrick.rb:60:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpservlet.rb:138:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpservlet.rb:94:in `run'
```

/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'

Don't know if it's relevant or not, but on foregrounded startup we also get :

```
[2015-11-04 14:45:31] INFO WEBrick 1.3.1
[2015-11-04 14:45:31] INFO ruby 1.9.3 (2013-11-22) [x86_64-linux]
[2015-11-04 14:45:31] WARN TCPServer Error: Address already in use - bind(2)
```

There's definitely only one smart proxy process running

#7 - 11/04/2015 10:02 AM - Dominic Cleal

- Subject changed from 100% cpu usage on foreman-proxy to 100% cpu usage on foreman-proxy DHCP calls
- Category set to DHCP
- Status changed from Need more information to New

So it's DHCP-related, since Foreman's calling /dhcp/:network/:record there. I have been suspecting that Foreman might be validating DHCP records more than it used to, which would cause more requests to the smart proxy if true.

The performance improvements in 1.10 (ticket [#11866](#)) may help slightly. Since the threads are all performing debug logging there, try putting your log level up to INFO or WARN - it may reduce the amount of logging. If it is already, then we might need to optimise those debug statements so they only run when debug logging's enabled.

Lastly, I don't think the bind message is a problem.

#8 - 11/04/2015 10:09 AM - Anonymous

- Category deleted (DHCP)

Smart-proxy is responding to three simultaneous calls to add a dhcp record, which is an expensive operation (and would drive up cpu usage high) if the lease file is large and/or you have a high volume of 'add_record' calls.

Does this sound like your environment?

#9 - 11/04/2015 10:18 AM - Matt Jarvis

Our lease file is around 3MB, and the environment is currently completely static so there shouldn't be any add_record calls. We see a lot of GET calls in the logs :

```
GET /dhcp/10.10.160.0/10.10.160.106 HTTP/1.1" 200 130 - -> /dhcp/10.10.160.0/10.10.160.106
```

#10 - 11/04/2015 10:21 AM - Matt Jarvis

We have around 150 hosts, split across two environments with different proxies.

#11 - 11/04/2015 10:22 AM - Matt Jarvis

Anecdotally it did seem like the DHCP records are being validated during puppet runs for some reason - is this the case ?

#12 - 11/04/2015 10:23 AM - Matt Jarvis

Yes, I've got DEBUG logging turned on at the minute.

#13 - 11/04/2015 10:32 AM - Matt Jarvis

In case it's useful, here's the dump using latest github code :

Starting thread dump for current Ruby process =====

```
Thread TID-16082940
/root/smart-proxy/lib/launcher.rb:14:in `block (2 levels) in <class:Launcher>'
/root/smart-proxy/lib/launcher.rb:12:in `each'
/root/smart-proxy/lib/launcher.rb:12:in `block in <class:Launcher>'
/root/smart-proxy/lib/launcher.rb:139:in `call'
/root/smart-proxy/lib/launcher.rb:139:in `join'
/root/smart-proxy/lib/launcher.rb:139:in `launch'
./bin/smart-proxy:6:in `<main>'
```

```
Thread TID-23501380
/usr/lib/ruby/1.9.1/webrick/server.rb:98:in `block in start'
/usr/lib/ruby/1.9.1/webrick/server.rb:22:in `start'
/usr/lib/ruby/1.9.1/webrick/server.rb:89:in `start'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/handler/webrick.rb:14:in `run'
```

```
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/server.rb:264:in `start'  
/root/smart-proxy/lib/launcher.rb:124:in `block in launch'
```

Thread TID-23225340

```
/usr/lib/ruby/1.9.1/monitor.rb:185:in `mon_enter'  
/usr/lib/ruby/1.9.1/monitor.rb:209:in `mon_synchronize'  
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'  
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'  
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'  
/root/smart-proxy/modules/dhcp/subnet_service.rb:64:in `add_host'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:126:in `block in initialize_memory_store_with_dhcp_records'185.43.217.33 - -  
[04/Nov/2015:15:31:25 GMT] "GET /ftp/servername HTTP/1.1" 200 17
```

-> /ftp/servername

```
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `each'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:147:in `loadSubnetData'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:42:in `load_subnet_data'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:95:in `block in <class:DhcpApi>'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `block in compile!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `[]'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (3 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:993:in `route_eval'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (2 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1014:in `block in process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:972:in `block in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `each'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1084:in `block in dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1081:in `dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `block in call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:894:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/methodoverride.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/commonlogger.rb:33:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:218:in `call'  
/root/smart-proxy/lib/proxy/log.rb:58:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/xss_header.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/path_traversal.rb:16:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/json_csrf.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/frame_options.rb:31:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/nulllogger.rb:9:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/head.rb:11:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/show_exceptions.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:181:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:2021:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `block in call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1795:in `synchronize'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:65:in `block in call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `each'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/handler/webrick.rb:60:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpservlet.rb:138:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpservlet.rb:94:in `run'  
/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
```

Thread TID-23454700

```
/usr/lib/ruby/1.9.1/webrick/utils.rb:184:in `block in initialize'
```

Thread TID-23326740

```
/usr/lib/ruby/1.9.1/monitor.rb:185:in `mon_enter'
```

```
/usr/lib/ruby/1.9.1/monitor.rb:209:in `mon_synchronize'  
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'  
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'  
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'  
/root/smart-proxy/modules/dhcp/subnet_service.rb:64:in `add_host'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:126:in `block in initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `each'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:147:in `loadSubnetData'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:42:in `load_subnet_data'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:95:in `block in <class:DhcpApi>'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `block in compile!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `[]'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (3 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:993:in `route_eval'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (2 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1014:in `block in process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:972:in `block in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `each'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1084:in `block in dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1081:in `dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `block in call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:894:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/methodoverride.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/commonlogger.rb:33:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:218:in `call'  
/root/smart-proxy/lib/proxy/log.rb:58:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/xss_header.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/path_traversal.rb:16:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/json_csrf.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/frame_options.rb:31:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/nulllogger.rb:9:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/head.rb:11:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/show_exceptions.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:181:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:2021:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `block in call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1795:in `synchronize'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:65:in `block in call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `each'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/handler/webrick.rb:60:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:138:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:94:in `run'  
/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
```

Thread TID-70134366617260

```
/usr/lib/ruby/1.9.1/monitor.rb:185:in `mon_enter'  
/usr/lib/ruby/1.9.1/monitor.rb:209:in `mon_synchronize'  
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'  
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'  
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'  
/root/smart-proxy/modules/dhcp/subnet_service.rb:64:in `add_host'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:126:in `block in initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `each'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:147:in `loadSubnetData'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:42:in `load_subnet_data'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:95:in `block in <class:DhcpApi>'
```

```
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `block in compile!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `[]'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (3 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:993:in `route_eval'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (2 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1014:in `block in process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:972:in `block in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `each'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1084:in `block in dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1081:in `dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `block in call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:894:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/methodoverride.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/commonlogger.rb:33:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:218:in `call'  
/root/smart-proxy/lib/proxy/log.rb:58:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/xss_header.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/path_traversal.rb:16:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/json_csrf.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/frame_options.rb:31:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/nulllogger.rb:9:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/head.rb:11:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/show_exceptions.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:181:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:2021:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `block in call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1795:in `synchronize'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:65:in `block in call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `each'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/handler/webrick.rb:60:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:138:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:94:in `run'  
/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
```

Thread TID-70134373785180

```
/usr/lib/ruby/1.9.1/monitor.rb:185:in `mon_enter'  
/usr/lib/ruby/1.9.1/monitor.rb:209:in `mon_synchronize'  
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'  
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'  
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'  
/root/smart-proxy/modules/dhcp/subnet_service.rb:64:in `add_host'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:126:in `block in initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `each'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:147:in `loadSubnetData'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:42:in `load_subnet_data'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:95:in `block in <class:DhcpApi>'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `block in compile!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `[]'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (3 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:993:in `route_eval'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (2 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1014:in `block in process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:972:in `block in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `each'
```



```
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `route!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1084:in `block in dispatch!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1081:in `dispatch!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `block in call!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `call!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:894:in `call'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/methodoverride.rb:21:in `call'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/commonlogger.rb:33:in `call'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:218:in `call'
/root/smart-proxy/lib/proxy/log.rb:58:in `call'
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/xss_header.rb:18:in `call'
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/path_traversal.rb:16:in `call'
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/json_csrf.rb:18:in `call'
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/frame_options.rb:31:in `call'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/nulllogger.rb:9:in `call'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/head.rb:11:in `call'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/show_exceptions.rb:21:in `call'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:181:in `call'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:2021:in `call'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `block in call'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1795:in `synchronize'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `call'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:65:in `block in call'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `each'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `call'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/handler/webrick.rb:60:in `service'
/usr/lib/ruby/1.9.1/webrick/httpsrv.rb:138:in `service'
/usr/lib/ruby/1.9.1/webrick/httpsrv.rb:94:in `run'
/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
```

Thread TID-70134373711540

```
/usr/lib/ruby/1.9.1/monitor.rb:185:in `mon_enter'
/usr/lib/ruby/1.9.1/monitor.rb:209:in `mon_synchronize'
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'
/root/smart-proxy/modules/dhcp/subnet_service.rb:64:in `add_host'
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:126:in `block in initialize_memory_store_with_dhcp_records'
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `each'
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `initialize_memory_store_with_dhcp_records'
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:147:in `loadSubnetData'
/root/smart-proxy/modules/dhcp/dhcp_api.rb:42:in `load_subnet_data'
/root/smart-proxy/modules/dhcp/dhcp_api.rb:95:in `block in <class:DhcpApi>'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `call'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `block in compile!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `[]'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (3 levels) in route!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:993:in `route_eval'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (2 levels) in route!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1014:in `block in process_route'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `catch'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `process_route'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:972:in `block in route!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `each'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `route!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1084:in `block in dispatch!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1081:in `dispatch!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `block in call!'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `call!'
```

```
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:894:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/methodoverride.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/commonlogger.rb:33:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:218:in `call'  
/root/smart-proxy/lib/proxy/log.rb:58:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/xss_header.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/path_traversal.rb:16:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/json_csrf.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/frame_options.rb:31:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/nulllogger.rb:9:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/head.rb:11:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/show_exceptions.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:181:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:202:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `block in call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1795:in `synchronize'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:65:in `block in call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `each'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/handler/webrick.rb:60:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:138:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:94:in `run'  
/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
```

Thread TID-70134368164880

```
/usr/lib/ruby/1.9.1/monitor.rb:185:in `mon_enter'  
/usr/lib/ruby/1.9.1/monitor.rb:209:in `mon_synchronize'  
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'  
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'  
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'  
/root/smart-proxy/modules/dhcp/subnet_service.rb:64:in `add_host'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:126:in `block in initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `each'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:147:in `loadSubnetData'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:42:in `load_subnet_data'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:95:in `block in <class:DhcpApi>  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `block in compile!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `[]'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (3 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:993:in `route_eval'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (2 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1014:in `block in process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:972:in `block in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `each'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1084:in `block in dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1081:in `dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `block in call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:894:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/methodoverride.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/commonlogger.rb:33:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:218:in `call'  
/root/smart-proxy/lib/proxy/log.rb:58:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/xss_header.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/path_traversal.rb:16:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/json_csrf.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/frame_options.rb:31:in `call'
```

```
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/nulllogger.rb:9:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/head.rb:11:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/show_exceptions.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:181:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:202:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `block in call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1795:in `synchronize'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:65:in `block in call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `each'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/handler/webrick.rb:60:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:138:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:94:in `run'  
/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
```

Thread TID-70134233897060

```
/usr/lib/ruby/1.9.1/monitor.rb:185:in `mon_enter'  
/usr/lib/ruby/1.9.1/monitor.rb:209:in `mon_synchronize'  
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'  
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'  
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'  
/root/smart-proxy/modules/dhcp/subnet_service.rb:64:in `add_host'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:126:in `block in initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `each'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:147:in `loadSubnetData'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:42:in `load_subnet_data'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:95:in `block in <class:DhcpApi>  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `block in compile!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `[]'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (3 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:993:in `route_eval'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (2 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1014:in `block in process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:972:in `block in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `each'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1084:in `block in dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1081:in `dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `block in call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:894:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/methodoverride.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/commonlogger.rb:33:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:218:in `call'  
/root/smart-proxy/lib/proxy/log.rb:58:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/xss_header.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/path_traversal.rb:16:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/json_csrf.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/frame_options.rb:31:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/nulllogger.rb:9:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/head.rb:11:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/show_exceptions.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:181:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:202:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `block in call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1795:in `synchronize'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:65:in `block in call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `each'
```

```
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/handler/webrick.rb:60:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:138:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:94:in `run'  
/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
```

Thread TID-70134236683340

```
/usr/lib/ruby/1.9.1/monitor.rb:185:in `mon_enter'  
/usr/lib/ruby/1.9.1/monitor.rb:209:in `mon_synchronize'  
/usr/lib/ruby/1.9.1/logger.rb:559:in `write'  
/usr/lib/ruby/1.9.1/logger.rb:377:in `add'  
/usr/lib/ruby/1.9.1/logger.rb:399:in `debug'  
/root/smart-proxy/modules/dhcp/subnet_service.rb:64:in `add_host'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:126:in `block in initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `each'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:110:in `initialize_memory_store_with_dhcp_records'  
/root/smart-proxy/modules/dhcp/providers/server/isc.rb:147:in `loadSubnetData'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:42:in `load_subnet_data'  
/root/smart-proxy/modules/dhcp/dhcp_api.rb:95:in `block in <class:DhcpApi>  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1610:in `block in compile!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `[]'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (3 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:993:in `route_eval'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:974:in `block (2 levels) in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1014:in `block in process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1012:in `process_route'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:972:in `block in route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `each'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:971:in `route!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1084:in `block in dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1081:in `dispatch!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `block in call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `block in invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `catch'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1066:in `invoke'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:906:in `call!'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:894:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/methodoverride.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/commonlogger.rb:33:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:218:in `call'  
/root/smart-proxy/lib/proxy/log.rb:58:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/xss_header.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/path_traversal.rb:16:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/json_csrf.rb:18:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/base.rb:49:in `call'  
/var/lib/gems/1.9.1/gems/rack-protection-1.5.3/lib/rack/protection/frame_options.rb:31:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/nulllogger.rb:9:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/head.rb:11:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/show_exceptions.rb:21:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:181:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:2021:in `call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `block in call'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1795:in `synchronize'  
/var/lib/gems/1.9.1/gems/sinatra-1.4.6/lib/sinatra/base.rb:1486:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:65:in `block in call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `each'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'  
/var/lib/gems/1.9.1/gems/rack-1.5.5/lib/rack/handler/webrick.rb:60:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:138:in `service'  
/usr/lib/ruby/1.9.1/webrick/httpserver.rb:94:in `run'  
/usr/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
```

#14 - 11/04/2015 10:33 AM - Dominic Cleal

Matt Jarvis wrote:

Anecdotally it did seem like the DHCP records are being validated during puppet runs for some reason - is this the case ?

Yes, that was my suspicion, but I can't remember where I saw it change. Either the fact or report importers, probably when importing network interfaces. Traditionally Foreman didn't do orchestration (inc. DHCP) during fact imports for fear of changing something incorrectly, but the load should clearly be a concern too.

#15 - 11/04/2015 10:36 AM - Matt Jarvis

That would explain a lot if that is the case. We've been trying to debug puppet timeouts for weeks now, and have been round the houses with looking at Foreman performance, PuppetDB performance etc. We'd pretty much narrowed it down to fact uploads into Foreman, and I just noticed last week that there was a proxy call timeout in Foreman just before a failed run.

#16 - 11/04/2015 10:38 AM - Matt Jarvis

And as you know I also just raised an issue about importing network interfaces ;)

#17 - 11/04/2015 10:42 AM - Anonymous

- Related to Bug #2687: Performance issues with large ISC dataset (DHCP smart proxy) added

#18 - 11/05/2015 04:44 AM - Matt Jarvis

I've had a poke around in the code but it's not obvious where that might be happening. Can you give me a steer where to start looking for DHCP validation calls during fact import if that looks like the issue ?

#19 - 11/05/2015 08:13 AM - Anonymous

Look on the foreman side. I think the calls to smart-proxy are being triggered here, when save! is being called: <https://github.com/theforeman/foreman/blob/develop/app/models/host/base.rb#L148> (which is called from here: <https://github.com/theforeman/foreman/blob/develop/app/models/host/base.rb#L124>). If you look at Nic::Managed (<https://github.com/theforeman/foreman/blob/develop/app/models/nic/managed.rb>) you'll see that it includes Orchestration::DHCP (<https://github.com/theforeman/foreman/blob/develop/app/models/concerns/orchestration/dhcp.rb>). I think the method responsible for the calls to the proxy is dhcp_conflict_detected? (<https://github.com/theforeman/foreman/blob/develop/app/models/concerns/orchestration/dhcp.rb#L173>) which is triggered after record validation (before it is saved).

#20 - 11/05/2015 11:54 AM - Matt Jarvis

I may well be being dense, but why would you want to check this unless you know it's changed ? I can't think of a scenario where that would be the case - if my interface is set to DHCP, I've got my address from the DHCP server, therefore I don't need to check the DHCP server for conflicts because it's assigned that address to me.

Changing dhcp_conflict_detected? to :

```
def dhcp_conflict_detected?  
  # we can't do any dhcp based validations when our MAC address is defined afterwards (e.g. in vm creation)  
  return false if mac.blank? or hostname.blank?  
  return false unless dhcp? and dhcp_update_required?  
  
  if dhcp_record and dhcp_record.conflicting? and (not overwrite?)  
    failure_("DHCP records %s already exists") % dhcp_record.conflicts.to_sentence, nil, :conflict)  
    return true  
  end  
  false  
end
```

seems to work, load is drastically reduced on the proxies and stuff still seems to function, but as I say I may well be missing something here.

#21 - 11/05/2015 12:21 PM - Anonymous

Keep in mind this is also used during host creation, for which it makes sense. I think your change breaks host creation (@old isn't going to be initialized for new records). One way to resolve this issue is to speed up dhcp proxy, which is on my plate. You can help out by doing PR reviewing/testing (<https://github.com/theforeman/smart-proxy/pull/312> is blocking work on dhcp speedup).

Another approach would be to disable/change orchestration during fact import, but that's going to be messy. Dominic -- any thoughts on this?

#22 - 11/05/2015 12:39 PM - Matt Jarvis

OK, this code is completely new to me so bound to be things I was missing. Presumably you could make dhcp_update_required? return true if it's a new host ? I still don't see any point in hitting that code path unless you know something has changed.

#23 - 11/05/2015 01:12 PM - Anonymous

It's possible to manually assign an ip address to an interface during host creation. It's also possible that ip suggested by foreman has been assigned by dhcpd before the host was saved. Tip conflict check makes sense for either of these cases.

#24 - 11/09/2015 10:52 AM - Matt Jarvis

Can you give me an idea of what patch you might accept here ? I personally don't believe that the current behaviour will scale whatever you might do to optimise the proxy code, and I don't think that you need to check the proxy during every fact import. If I was to submit a patch to :

1. Make `dhcp_conflict_detected?` return false unless a dhcp update is required as per the code above
2. Change `dhcp_update_required?` to return true if it's a new host creation

Would that patch be acceptable ? I'd rather not have to maintain our own fork, but this is currently totally useless for us as it causes puppet timeouts across our whole estate.

#25 - 11/09/2015 11:09 AM - Anonymous

I think it's the other way around -- fact import is the case that needs "special" treatment. I don't think you can trigger this check using heuristics based on the record lifecycle without affecting host creation. It might be possible to set some flag indicating that fact import is in progress, but it's going to be messy.

I think the best place to start is to solve dhcp-related performance issues on smart-proxy, probably by replacing lease file parsing to `omapi` calls. As I said before, it's something I'll start working on once <https://github.com/theforeman/smart-proxy/pull/312> is merged.

I'll create a separate issue in Foreman for you, perhaps the devs there will have another solution.

#26 - 11/09/2015 11:14 AM - Anonymous

- Related to Bug #12425: Fact import triggers ip conflicts checks, which drives cpu utilization to 100% on smart-proxy added

#27 - 11/10/2015 05:01 PM - Veaceslav Mindru

Hi Folks ,

do you think this is possible to workaround, mitigate somehow?

VM

#28 - 11/11/2015 04:45 AM - Matt Jarvis

There's probably stuff I've missed, but our workaround is to add this into `dhcp_conflict_detected?` :

`return false unless dhcp?` and `dhcp_update_required?`

and then to change `dhcp_update_required?` to :

```
def dhcp_update_required?  
  return unless (build? or old)  
  # IP Address / name changed, or 'rebuild' action is triggered and DHCP record on the smart proxy is not present/identical.  
  return true if ((old.ip != ip) or (old.hostname != hostname) or (old.mac != mac) or (old.subnet != subnet)  
  or  
    (!old.build? and build? and !dhcp_record.valid?))  
  # Handle jumpstart  
  #TODO, abstract this way once interfaces are fully used  
  if self.is_a?(Host::Base) and jumpstart?  
    if !old.build? or (old.medium != medium or old.arch != arch) or  
      (os and old.os and (old.os.name != os.name or old.os != os))  
      return true  
    end  
  end  
  false  
end
```

We've not done exhaustive testing yet, but this seems to work.

#29 - 12/17/2015 08:00 AM - Toni Schmidbauer

we are hit by the same issue. its probably related to bug [#12359](#) as well. i'll try to implement the workaround mentioned by matt.

#30 - 12/19/2015 05:33 PM - Veaceslav Mindru

Toni Schmidbauer wrote:

we are hit by the same issue. its probably related to bug [#12359](#) as well. i'll try to implement the workaround mentioned by matt.

@Alexander Romanov mentioned this workaround has "some strange issues" @Toni Schmidbauer how does this look on your end?

#31 - 12/20/2015 11:39 AM - Veaceslav Mindru

- File 2015-12-20-173403_933x136_scrout.png added

Veaceslav Mindru wrote:

Toni Schmidbauer wrote:

we are hit by the same issue. its propably related to bug [#12359](#) as well. i'll try to implement the workaround mentioned by matt.

@Alexander Romanov mentioned this workaround has "some strange issues" @Toni Schmidbauer how does this look on your end?

after attemp the fix sugsted in [#28](#) getting following false positive during VM provisioning.

f9JjC30.png

#32 - 12/20/2015 11:40 AM - Veaceslav Mindru

meaning comment '#28' not issue 28

#33 - 12/21/2015 03:39 AM - Veaceslav Mindru

The false positive "ip already in use" during deploy is occuring only ocasionaly , i will post here if i will figure out an exact reproduction scenario.

#34 - 12/21/2015 06:25 AM - Alexandr Romanov

This "ip already in use" clearly not related to this bug and/or fix.
That's another issues related to our particular installation.

#35 - 12/21/2015 02:18 PM - Toni Schmidbauer

until now we didn't try the patch mentioned above. will try to patch our foreman installation tomorrow.

#36 - 12/21/2015 03:24 PM - Veaceslav Mindru

after the patch when trying to deploy BareMetal

NoMethodError

undefined method `ip' for nil:NilClass

```
/usr/share/foreman/app/models/concerns/orchestration/dhcp.rb:109:in `dhcp_update_required?'  
/usr/share/foreman/app/models/concerns/orchestration/dhcp.rb:151:in `dhcp_conflict_detected?'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:464:in  
`_run__1228633995078718928__validation__480985469740422524__callbacks'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:405:in `__run_callback'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:385:in `__run_validation_callbacks'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:81:in `run_callbacks'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activemodel-3.2.21/lib/active_model/validations/callbacks.rb:53:in `run_validations!'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activemodel-3.2.21/lib/active_model/validations.rb:195:in `valid?'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/validations.rb:69:in `valid?'  
/usr/share/foreman/app/models/concerns/orchestration.rb:59:in `valid?'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/autosave_association.rb:300:in `association_valid?'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/autosave_association.rb:289:in `block in  
validate_collection_association'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/autosave_association.rb:289:in `each'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/autosave_association.rb:289:in `validate_collection_association'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/autosave_association.rb:217:in `block in  
add_autosave_association_callbacks'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/autosave_association.rb:161:in `instance_eval'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/autosave_association.rb:161:in `block in define_non_cyclic_method'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:550:in  
`_run__4207259453130362107__validate__480985469740422524__callbacks'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:405:in `__run_callback'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:385:in `__run_validate_callbacks'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:81:in `run_callbacks'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activemodel-3.2.21/lib/active_model/validations/callbacks.rb:228:in `run_validations!'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activemodel-3.2.21/lib/active_model/validations/callbacks.rb:53:in `block in run_validations!'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:469:in  
`_run__4207259453130362107__validation__480985469740422524__callbacks'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:405:in `__run_callback'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:385:in `__run_validation_callbacks'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/callbacks.rb:81:in `run_callbacks'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activemodel-3.2.21/lib/active_model/validations/callbacks.rb:53:in `run_validations!'  
/usr/share/foreman/vendor/ruby/1.9.1/gems/activemodel-3.2.21/lib/active_model/validations.rb:195:in `valid?'
```

/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/validations.rb:69:in `valid?'
/usr/share/foreman/app/models/concerns/orchestration.rb:59:in `valid?'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/validations.rb:77:in `perform_validations'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/validations.rb:50:in `save'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/attribute_methods/dirty.rb:22:in `save'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/transactions.rb:259:in `block (2 levels) in save'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/transactions.rb:313:in `block in with_transaction_returning_status'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/connection_adapters/abstract/database_statements.rb:192:in
`transaction'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/transactions.rb:208:in `transaction'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/transactions.rb:311:in `with_transaction_returning_status'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/transactions.rb:259:in `block in save'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/transactions.rb:270:in `rollback_active_record_state!'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/transactions.rb:258:in `save'
/usr/share/foreman/app/models/concerns/foreman/sti.rb:29:in `save_with_type'
/usr/share/foreman/app/controllers/hosts_controller.rb:84:in `create'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_controller/metal/implicit_render.rb:4:in `send_action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/abstract_controller/base.rb:167:in `process_action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_controller/metal/rendering.rb:10:in `process_action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/abstract_controller/callbacks.rb:18:in `block in process_action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:627:in `block (4 levels) in run
_3859093308087087230__process_action__3397865074571343063__callbacks'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:215:in `block in conditional_callback_around_7773'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:326:in `around'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:310:in `_callback_around_3031'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:214:in `_conditional_callback_around_7773'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:626:in `block (3 levels) in run
_3859093308087087230__process_action__3397865074571343063__callbacks'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:215:in `block in conditional_callback_around_7772'
/usr/share/foreman/app/controllers/concerns/application_shared.rb:13:in `set_timezone'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:214:in `_conditional_callback_around_7772'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:625:in `block (2 levels) in run
_3859093308087087230__process_action__3397865074571343063__callbacks'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:215:in `block in conditional_callback_around_7771'
/usr/share/foreman/app/models/concerns/foreman/thread_session.rb:32:in `clear_thread'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:214:in `_conditional_callback_around_7771'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:448:in `block in run
_3859093308087087230__process_action__3397865074571343063__callbacks'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:215:in `block in conditional_callback_around_7770'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:326:in `around'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:310:in `_callback_around_13'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:214:in `_conditional_callback_around_7770'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:414:in `_run
_3859093308087087230__process_action__3397865074571343063__callbacks'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:405:in `__run_callback'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:385:in `_run_process_action_callbacks'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:81:in `run_callbacks'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/abstract_controller/callbacks.rb:17:in `process_action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_controller/metal/rescue.rb:29:in `process_action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_controller/metal/instrumentation.rb:30:in `block in process_action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/notifications.rb:123:in `block in instrument'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/notifications/instrumenter.rb:20:in `instrument'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/notifications.rb:123:in `instrument'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_controller/metal/instrumentation.rb:29:in `process_action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_controller/metal/params_wrapper.rb:207:in `process_action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/railties/controller_runtime.rb:18:in `process_action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/abstract_controller/base.rb:121:in `process'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/abstract_controller/rendering.rb:45:in `process'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_controller/metal.rb:203:in `dispatch'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_controller/metal/rack_delegation.rb:14:in `dispatch'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_controller/metal.rb:246:in `block in action'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/routing/route_set.rb:73:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/routing/route_set.rb:73:in `dispatch'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/routing/route_set.rb:36:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/journey-1.0.4/lib/journey/router.rb:68:in `block in call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/journey-1.0.4/lib/journey/router.rb:56:in `each'
/usr/share/foreman/vendor/ruby/1.9.1/gems/journey-1.0.4/lib/journey/router.rb:56:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/routing/route_set.rb:608:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/apipie-rails-0.2.6/lib/apipie/extractor/recorder.rb:97:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/apipie-rails-0.2.6/lib/apipie/middleware/checksum_in_headers.rb:27:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/best_standards_support.rb:17:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/etag.rb:23:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/conditionalget.rb:35:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/head.rb:14:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/params_parser.rb:21:in `call'


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/usr/share/foreman/lib/middleware/catch_json_parse_errors.rb:9:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/flash.rb:242:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/session/abstract/id.rb:210:in `context'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/session/abstract/id.rb:205:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/cookies.rb:341:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/query_cache.rb:64:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activerecord-3.2.21/lib/active_record/connection_adapters/abstract/connection_pool.rb:479:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/callbacks.rb:28:in `block in call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:405:in
`_run__3413703529047677478__call__480985469740422524__callbacks'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:405:in `_run_callback'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:385:in `_run_call_callbacks'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/callbacks.rb:81:in `run_callbacks'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/callbacks.rb:27:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/remote_ip.rb:31:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/debug_exceptions.rb:16:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/show_exceptions.rb:56:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/railties-3.2.21/lib/rails/rack/logger.rb:32:in `call_app'
/usr/share/foreman/vendor/ruby/1.9.1/gems/railties-3.2.21/lib/rails/rack/logger.rb:18:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/request_id.rb:22:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/methodoverride.rb:21:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/runtime.rb:17:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/activesupport-3.2.21/lib/active_support/cache/strategy/local_cache.rb:72:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/lock.rb:15:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/actionpack-3.2.21/lib/action_dispatch/middleware/static.rb:83:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-cache-1.2/lib/rack/cache/context.rb:136:in `forward'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-cache-1.2/lib/rack/cache/context.rb:143:in `pass'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-cache-1.2/lib/rack/cache/context.rb:155:in `invalidate'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-cache-1.2/lib/rack/cache/context.rb:71:in `call!'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-cache-1.2/lib/rack/cache/context.rb:51:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/railties-3.2.21/lib/rails/engine.rb:484:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/railties-3.2.21/lib/rails/application.rb:231:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/railties-3.2.21/lib/rails/railtie/configurable.rb:30:in `method_missing'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/builder.rb:134:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/urlmap.rb:64:in `block in call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/urlmap.rb:49:in `each'
/usr/share/foreman/vendor/ruby/1.9.1/gems/rack-1.4.7/lib/rack/urlmap.rb:49:in `call'
/usr/lib/ruby/vendor_ruby/phusion_passenger/rack/thread_handler_extension.rb:77:in `process_request'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:142:in `accept_and_process_next_request'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler/thread_handler.rb:110:in `main_loop'
/usr/lib/ruby/vendor_ruby/phusion_passenger/request_handler.rb:448:in `block (3 levels) in start_threads'
/usr/share/foreman/vendor/ruby/1.9.1/gems/logging-2.0.0/lib/logging/diagnostic_context.rb:448:in `call'
/usr/share/foreman/vendor/ruby/1.9.1/gems/logging-2.0.0/lib/logging/diagnostic_context.rb:448:in `block in create_with_logging_context'

```

#37 - 12/21/2015 03:59 PM - Veaceslav Mindru

example of request during this error

```

2015-12-21T20:56:52 [app] [!] Completed 200 OK in 305.5ms (Views: 1.0ms | ActiveRecord: 12.2ms)
2015-12-21T20:56:55 [app] [!] Started POST "/hosts" for 46.227.11.53 at 2015-12-21 20:56:55 +0000
2015-12-21T20:56:55 [app] [!] Processing by HostsController#create as */*
2015-12-21T20:56:55 [app] [!] Parameters: {"utf8"=>"", "authenticity_token"=>"C7pLZ8ITB+oO4fQ7kzYDXZ5wesNi/1KAnErNbNETbVU=",
"host"=>{"name"=>"test-bm", "hostgroup_id"=>"11", "compute_resource_id"=>""}, "compute_profile_id"=>"3", "environment_id"=>"1",
"puppet_ca_proxy_id"=>"1", "puppet_proxy_id"=>"1", "puppetclass_ids"=>[""], "managed"=>"true", "progress_report_id"=>"[FILTERED]",
"type"=>"Host::Managed", "interfaces_attributes"=>{"0"=>{"_destroy"=>"0", "type"=>"Nic::Managed", "mac"=>"11:11:11:11:11:11", "identifier"=>""},
"name"=>"test-bm", "domain_id"=>"1", "subnet_id"=>"1", "ip"=>"10.0.10.178", "managed"=>"1", "primary"=>"1", "provision"=>"1", "virtual"=>"0",
>tag"=>""}, "attached_to"=>""}, "architecture_id"=>"1", "operatingsystem_id"=>"16", "provision_method"=>"build", "build"=>"1", "medium_id"=>"1",
"ptable_id"=>"56", "disk"=>""}, "root_pass"=>"[FILTERED]", "is_owned_by"=>"7-Users", "enabled"=>"1", "model_id"=>""}, "comment"=>""},
"overwrite"=>"false"}}

```

#38 - 02/12/2016 01:17 PM - Kyle Flavin

+1 for this. I've run into problems trying to use the DHCP proxy at scale. 125 subnets and hundreds of hosts, in our first datacenter, causes very long delays while enumerating the leases file. As a workaround, I'm thinking about disabling the DHCP proxy entirely, and handling management of our host reservations through puppet+dhcpd.conf. I posted more detail to google groups here:

<https://groups.google.com/forum/#!topic/foreman-users/G2ivILPA42Q>

#39 - 02/25/2016 08:13 AM - Toni Schmidbauer

setting ignore_puppet_facts_for_provisioning to true resolved this issue for us.

#40 - 04/22/2016 07:40 AM - Anonymous

I opened a pull request (<https://github.com/foreman-smart-proxy/pull/409>) that eliminates parsing of the dhcpd leases file on every request. The

changes have been tested against a fairly low-load dhcpd server, and I would appreciate if you could run a test against a busy dhcpd server and report your findings here.

#41 - 04/22/2016 07:42 AM - Anonymous

Correction: please submit your findings in the main ticket: <http://projects.theforeman.org/issues/2687>

#42 - 07/29/2016 06:41 AM - Dominic Cleal

- *Category set to DHCP*
- *Status changed from New to Feedback*

The inotify-related changes have now been made in develop (nightly) for 1.13, which should drastically reduce the amount of re-parsing of config/lease files during smart proxy requests. I'm moving this ticket state to feedback as hopefully the next release will resolve this issue.

#43 - 05/17/2017 11:34 AM - Anonymous

- *Status changed from Feedback to Resolved*

Files

2015-12-20-173403_933x136_screenshot.png	11 KB	12/20/2015	Veaceslav Mindru
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