

Smart Proxy - Bug #6819

proxy should raise an exception when it can't acquire a lock on a temp file

07/29/2014 12:05 PM - Greg Petras

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	DHCP	
Target version:	1.16.0	
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases: 1.5.2
Bugzilla link:		Red Hat JIRA:
Pull request:	https://github.com/foreman-smart-proxy/pull/534	

Description

Ran into this issue after a disk filled up on a DHCP proxy and had been cleaned up.

To reproduce, touch /tmp/foreman-proxy_10.10.10.0_24.tmp.lock. Then in the UI, when creating a new host, click "Suggest new" on the network tab for 10.10.10.0/24. Watch the foreman-proxy log and you will see this stacktrace:

```
E, [2014-07-29T15:16:10.925300 #6893] ERROR -- : undefined method `reopen' for nil:NilClass
D, [2014-07-29T15:16:10.925398 #6893] DEBUG -- : /usr/share/foreman-proxy/bin/../lib/proxy/dhcp/subnet.rb:135:in
`set_index_and_unlock'
/usr/share/foreman-proxy/bin/../lib/proxy/dhcp/subnet.rb:177:in `unused_ip'
/usr/share/foreman-proxy/bin/../lib/dhcp_api.rb:73:in `GET /dhcp:/network/unused_ip'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:863:in `call'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:863:in `route'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:521:in `instance_eval'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:521:in `route_eval'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:500:in `route!'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:497:in `catch'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:497:in `route!'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:476:in `each'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:476:in `route!'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:601:in `dispatch!'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:411:in `call!'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:566:in `instance_eval'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:566:in `invoke'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:566:in `catch'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:566:in `invoke'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:411:in `call!'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:399:in `call'
/usr/lib/ruby/gems/1.8/gems/rack-1.1.0/lib/rack/methodoverride.rb:24:in `call'
/usr/lib/ruby/gems/1.8/gems/rack-1.1.0/lib/rack/showexceptions.rb:24:in `call'
/usr/lib/ruby/gems/1.8/gems/rack-1.1.0/lib/rack/commonlogger.rb:18:in `call'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:979:in `call'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:1005:in `synchronize'
/usr/lib/ruby/gems/1.8/gems/sinatra-1.0/lib/sinatra/base.rb:979:in `call'
/usr/lib/ruby/gems/1.8/gems/rack-1.1.0/lib/rack/content_length.rb:13:in `call'
/usr/lib/ruby/gems/1.8/gems/rack-1.1.0/lib/rack/handler/webrick.rb:48:in `service'
/usr/lib/ruby/1.8/webrick/httpserver.rb:104:in `service'
/usr/lib/ruby/1.8/webrick/httpserver.rb:65:in `run'
/usr/lib/ruby/1.8/webrick/server.rb:173:in `start_thread'
/usr/lib/ruby/1.8/webrick/server.rb:162:in `start'
/usr/lib/ruby/1.8/webrick/server.rb:162:in `start_thread'
/usr/lib/ruby/1.8/webrick/server.rb:95:in `start'
/usr/lib/ruby/1.8/webrick/server.rb:92:in `each'
/usr/lib/ruby/1.8/webrick/server.rb:92:in `start'
/usr/lib/ruby/1.8/webrick/server.rb:23:in `start'
/usr/lib/ruby/1.8/webrick/server.rb:82:in `start'
```

```
/usr/lib/ruby/gems/1.8/gems/rack-1.1.0/lib/rack/handler/webrick.rb:14:in `run'  
/usr/share/foreman-proxy/bin/./lib/sinatra-patch.rb:42:in `run!'  
/usr/share/foreman-proxy/bin/smart-proxy:44
```

I traced this back to a lock file being left on the filesystem (ie /tmp/foreman-proxy_10.10.10.0_24.tmp.lock). I think the proxy should log that the lock could not be acquired, and perhaps raise an exception and warn the user in the UI.

Related issues:

Related to Smart Proxy - Bug #2257: Deadlock condition if the proxy is restar...

Resolved

02/26/2013

Associated revisions**Revision 37e40729 - 06/30/2017 09:27 AM - Dmitri Dolguikh**

Fixes #20173,#6819 - removed race condition in Subnet#unused_ip

History**#1 - 07/29/2014 12:19 PM - Dominic Cleal**

- Project changed from Foreman to Smart Proxy

- Category changed from Smart Proxy to DHCP

#2 - 05/18/2017 10:15 AM - Anonymous

- Related to Bug #2257: Deadlock condition if the proxy is restarted mid-timeout added

#3 - 06/30/2017 07:22 AM - The Foreman Bot

- Status changed from New to Ready For Testing

- Assignee set to Anonymous

- Pull request <https://github.com/foreman/smart-proxy/pull/534> added

#4 - 06/30/2017 10:01 AM - Anonymous

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [37e4072970858618140d0c9692b6e4727b5202be](#).

#5 - 06/30/2017 12:06 PM - Daniel Lobato Garcia

- translation missing: en.field_release set to 240

1.16 as change does not contain tests