

Smart Proxy - Bug #5481

Foreman Proxy unable to remove DHCP reservation: "IP / mac - is static - unable to delete"

04/28/2014 09:54 PM - Dmitry Sakun

| | | |
|------------------------|----------|-----------------------------------|
| Status: | Resolved | |
| Priority: | Normal | |
| Assignee: | | |
| Category: | DHCP | |
| Target version: | | |
| Difficulty: | | Fixed in Releases: |
| Triaged: | | Found in Releases: Nightly |
| Bugzilla link: | | Red Hat JIRA: |
| Pull request: | | |

Description

Hi Guys,

Foreman Proxy running on windows fail to delete previously created reservation. This one exists since 1.5 I believe.

native_ms module.

DHCP 'hostname' option (12) is wrongly enumerated as install_path and marks the record as NON-deletable and throw an exception (FP log):

```
D, [2014-04-28T23:04:32.519269 #2604] DEBUG -- : executing: c:\windows\system32\netsh.exe -c dhcp server \\DHCP.SERVER scope 10.8.67.0 Show ReservedOptionValue 10.8.67.25
I, [2014-04-28T23:04:33.018481 #2604] INFO -- : Queried 10.8.67.25 options
D, [2014-04-28T23:04:33.018481 #2604] DEBUG -- : found option nextServer
D, [2014-04-28T23:04:33.018481 #2604] DEBUG -- : found option filename
D, [2014-04-28T23:04:33.018481 #2604] DEBUG -- : found option *install_path* <-- Should be hostname
D, [2014-04-28T23:04:33.018481 #2604] DEBUG -- : {:install_path=>"hostname.domain.com", :filename=>"pxelinux.0", :nextServer=>"172.25.8.50"}
D, [2014-04-28T23:04:33.018481 #2604] DEBUG -- : {:install_path=>"hostname.domain.com", :mac=>"00:50:56:a3:3c:91", :subnet=>10.8.67.0/255.255.255.0, :nextServer=>"172.25.8.50", :filename=>"pxelinux.0", :ip=>"10.8.67.25"}
D, [2014-04-28T23:04:33.018481 #2604] DEBUG -- : Added 10.8.67.25 / 00:50:56:a3:3c:91 to 10.8.67.0/255.255.255.0
D, [2014-04-28T23:04:33.018481 #2604] DEBUG -- : Lazy loaded 10.8.67.0/255.255.255.0 records
E, [2014-04-28T23:04:33.018481 #2604] ERROR -- : 10.8.67.25 / 00:50:56:a3:3c:91 is static - unable to delete
D, [2014-04-28T23:04:33.018481 #2604] DEBUG -- : C:/Program Files (x86)/smart-proxy/bin/./lib/proxy/dhcp/server/native_ms.rb:18:in `delRecord'
C:/Program Files (x86)/smart-proxy/bin/./lib/dhcp_api.rb:109:in `DELETE /dhcp/:network/:record'
```

netsh output:

```
C:\>netsh.exe -c dhcp server \\DHCP.SERVER scope 10.8.67.0 Show ReservedOptionValue 10.8.67.25
```

Changed the current scope context to 10.8.67.0 scope.

```
Options for the Reservation Address 10.8.67.25 in the Scope 10.8.67.0 :
```

```

DHCP Standard Options :
General Option Values:
OptionId : 66
Option Value:
    Number of Option Elements = 1
    Option Element Type = STRING
    Option Element Value = 172.25.8.50
OptionId : 60
Option Value:
    Number of Option Elements = 1
    Option Element Type = STRING
    Option Element Value =
OptionId : 67
Option Value:
    Number of Option Elements = 1
    Option Element Type = STRING
    Option Element Value = pxelinux.0
OptionId : 12
Option Value:
    Number of Option Elements = 1
    Option Element Type = STRING
    Option Element Value = hostname.domain.com

```

Command completed successfully.

The test if the record is 'deleteable' is based on 'hostname' and it's done in native_ms.rb 'loadSubnetData' function:

```

if opts.include? :hostname
    Proxy::DHCP::Reservation.new opts.merge({:deleteable => true})

```

Option assignment is done in dhcp.rb:

```

Standard = {
    :hostname           => {:code => 12, :kind => "String" }, # The host's name
    :PXEClient         => {:code => 60, :kind => "String" }, # Needs to be empty
for foreman to function
    :nextServer        => {:code => 66, :kind => "String" }, # From where we down
load the pxeboot image via TFTP
    :filename          => {:code => 67, :kind => "String" } # The pxeboot image
}
SUNW = {
    :root_server_ip    => {:code => 2, :kind => "IPAddress" }, # 192.168.216.241
    :root_server_hostname => {:code => 3, :kind => "String" }, # mediahost
    :root_path_name    => {:code => 4, :kind => "String" }, # /vol/solgi_5.10/so
l10_hw0910/Solaris_10/Tools/Boot
    :install_server_ip  => {:code => 10, :kind => "IPAddress" }, # 192.168.216.241
    :install_server_name => {:code => 11, :kind => "String" }, # mediahost
:install_path         => {:code => 12, :kind => "String" }, # /vol/solgi_5.10/so
l10_hw0910
    :sysid_server_path  => {:code => 13, :kind => "String" }, # 192.168.216.241:/v
ol/jumpstart/sysidcfg/sysidcfg_primary
    :jumpstart_server_path => {:code => 14, :kind => "String" } # 192.168.216.241:/v
ol/jumpstart
}

```

Related issues:

| | | |
|--|------------------|-------------------|
| Related to Smart Proxy - Bug #4148: Unable to delete DHCP reservations on MS ... | Resolved | 01/21/2014 |
| Related to Smart Proxy - Bug #13129: Intermittent failures in native MS test_... | Closed | 01/12/2016 |
| Has duplicate Smart Proxy - Bug #10556: Windows DHCP support Shows DHCP Entri... | Duplicate | 05/19/2015 |

History

#1 - 04/29/2014 07:35 AM - Dominic Cleal

- Project changed from Foreman to Smart Proxy

- Category changed from DHCP to DNS

#2 - 04/29/2014 06:31 PM - Dominic Cleal

- Category changed from DNS to DHCP

#3 - 09/18/2014 09:38 AM - Rich Chiavaroli

I'm also being effected by this issue. Do we know what version this might be addressed in?

#4 - 05/28/2015 03:45 PM - Chris Pisano

I am also seeing this behavior in the 1.8 release of the smart proxy. My workaround was to just comment out install_path under SUNW.

#5 - 05/29/2015 03:26 AM - Dominic Cleal

- Has duplicate Bug #10556: Windows DHCP support Shows DHCP Entries as Leases and no Hostnames added

#6 - 01/19/2016 08:35 AM - Anonymous

- Related to Bug #4148: Unable to delete DHCP reservations on MS DHCP servers added

#7 - 01/19/2016 08:37 AM - Anonymous

- Related to Bug #13129: Intermittent failures in native MS test_records_should_have_options tests added

#8 - 01/21/2016 09:56 AM - Dominic Cleal

- Status changed from New to Feedback

A possible fix has been merged to the develop branch and should be in 1.10.2 as well when that's released. I'll mark this as feedback as it may resolve the issue - please let us know either way if you're able to test it.

#9 - 05/17/2017 11:17 AM - Anonymous

- Status changed from Feedback to Resolved

no reaction, closing