

## Discovery - Bug #9597

### FK violation when trying to delete a discovered host after provision

03/01/2015 11:04 AM - Ori Rabin

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> Ori Rabin	
<b>Category:</b> Discovery plugin	
<b>Target version:</b> Discovery Plugin 2.0.1	
<b>Difficulty:</b>	<b>Fixed in Releases:</b>
<b>Triaged:</b>	<b>Found in Releases:</b>
<b>Bugzilla link:</b> 1197477	<b>Red Hat JIRA:</b>
<b>Pull request:</b> <a href="https://github.com/foreman/foreman_discovery/pull/166">https://github.com/foreman/foreman_discovery/pull/166</a>	
<b>Description</b>	
<p>When provision on a discovered host fails there is a token created that is not deleted. Provisioning the same host again will create a new token for that host. Trying to delete the host after provision deletes only the second token, to avoid leaving an orphaned token the delete fails with a FK violation error</p> <p>Steps to reproduce:</p> <ol style="list-style-type: none"><li>1. discover a host</li><li>2. try to provision that host but don't put anything in the host edit form</li><li>3. save</li><li>4. fill in correct values to provision the host</li><li>5. save</li><li>6. try to delete the new managed host that was created</li></ol> <p>expected result: host is deleted</p> <p>actual result: an error:</p> <pre>ERROR: update or delete on table "hosts" violates foreign key constraint "tokens_host_id_fk" on table "tokens"</pre>	
<b>Related issues:</b>	
Related to Discovery - Bug #10365: Migration to delete duplicate tokens doesn...	<b>Closed</b> 05/05/2015
Related to Foreman - Bug #10535: Tokens are created for managed hosts after v...	<b>Closed</b> 05/18/2015
Has duplicate Foreman - Bug #9900: ERROR: update or delete on table "hosts" v...	<b>Duplicate</b> 03/25/2015

#### Associated revisions

##### Revision bc017339 - 03/09/2015 08:18 AM - Ori Rabin

Fixes #9597 - migration to delete host token when provision failed

##### Revision c864794a - 05/27/2015 10:26 AM - Ori Rabin

Refs #9597 - adding a test to check that token is not created for discovered host

#### History

##### #1 - 03/01/2015 11:14 AM - Ori Rabin

Reported by Oleg in the user group: <https://groups.google.com/forum/#!topic/foreman-users/NP182Z6qlwA>

##### #2 - 03/01/2015 11:32 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing
- Pull request [https://github.com/foreman/foreman\\_discovery/pull/163](https://github.com/foreman/foreman_discovery/pull/163) added
- Pull request deleted ()

### #3 - 03/02/2015 01:32 AM - Ori Rabin

I can only reproduce on a new DB, once I delete the token table I can't anymore.

### #4 - 03/02/2015 09:26 AM - Ori Rabin

- Target version set to Discovery Plugin 2.0.1

### #5 - 03/02/2015 02:04 PM - Stefan Lasiewski

I've been testing the Discovery Plugin casually since 2.0.0-rc1, and it would be hard for me to pin down any specific steps that led to this.

In my particular case, we've been using The Foreman on an off since release 1.4. I have upgraded from 1.4 to 1.5, 1.6 and 1.7 over time. I started experimenting with the Discovery Plugin 2.0.0-rc1 soon after it came out and I have used it to discover a dozen physical hosts. I then upgraded to 2.0.0-rc2 and 2.0.0-1 soon after they were released.

I am attempting to provision 3 of these hosts. With two of the hosts, I cannot delete the host. Here's an example using the hammer CLI:

```
stefanl@puppet:~ $ hammer -d host delete --id 83
[ INFO 2015-03-02 10:53:53 Init] Initialization of Hammer CLI (0.1.3) has started...
[DEBUG 2015-03-02 10:53:53 Init] Running at ruby 1.8.7-p374
[ INFO 2015-03-02 10:53:53 Init] Configuration from the file /etc/hammer/cli_config.yml has been loaded
[ INFO 2015-03-02 10:53:53 Init] Configuration from the file /etc/hammer/cli.modules.d/foreman.yml has been loaded
[ INFO 2015-03-02 10:53:53 Init] Configuration from the file /home/stefanl/.hammer/cli_config.yml has been loaded
[DEBUG 2015-03-02 10:53:54 Connection] Registered: foreman
[DEBUG 2015-03-02 10:53:54 API] Global headers: {
:content_type => "application/json",
:accept => "application/json;version=2",
"Accept-Language" => "en"
}
[ INFO 2015-03-02 10:53:54 Modules] Extension module hammer_cli_foreman (0.1.3) loaded
[DEBUG 2015-03-02 10:53:54 Init] Using locale 'en'
[DEBUG 2015-03-02 10:53:54 Init] 'mo' files for locale domain 'hammer-cli' loaded from '/usr/lib/ruby/gems/1.8/gems/hammer_cli-0.1.3/locale'
[DEBUG 2015-03-02 10:53:54 Init] 'mo' files for locale domain 'hammer-cli' loaded from '/usr/share/locale'
[DEBUG 2015-03-02 10:53:54 Init] 'mo' files for locale domain 'hammer-cli-foreman' loaded from
'/usr/lib/ruby/gems/1.8/gems/hammer_cli_foreman-0.1.3/locale'
[DEBUG 2015-03-02 10:53:54 Init] 'mo' files for locale domain 'hammer-cli-foreman' loaded from '/usr/share/locale'
[ INFO 2015-03-02 10:53:54 HammerCLI::MainCommand] Called with options: {"option_debug"=>true}
[ INFO 2015-03-02 10:53:54 HammerCLIForeman::Host] Called with options: {}
[ INFO 2015-03-02 10:53:54 HammerCLIForeman::Host::DeleteCommand] Called with options: {"option_id"=>"83"}
[ INFO 2015-03-02 10:53:54 API] DELETE /api/hosts/83
[DEBUG 2015-03-02 10:53:54 API] Params: {}
[DEBUG 2015-03-02 10:53:54 API] Headers: {
:params => {}
}
[DEBUG 2015-03-02 10:53:56 API] 500 Internal Server Error {
"error" => {
"message" => "ERROR: update or delete on table \"hosts\" violates foreign key constraint \"tokens_host_id_fk\" on table \"tokens\"\nDETAIL: Key
(id)=(83) is still referenced from table \"tokens\".\n"
}
}
[ERROR 2015-03-02 10:53:56 Exception] ERROR: update or delete on table "hosts" violates foreign key constraint "tokens_host_id_fk" on table
"tokens"
DETAIL: Key (id)=(83) is still referenced from table "tokens".

Could not delete the host:
ERROR: update or delete on table "hosts" violates foreign key constraint "tokens_host_id_fk" on table "tokens"
DETAIL: Key (id)=(83) is still referenced from table "tokens".
[ERROR 2015-03-02 10:53:56 Exception]
```

```
RestClient::InternalServerError (500 Internal Server Error):
/usr/lib/ruby/gems/1.8/gems/rest-client-1.6.7/lib/restclient/abstract_response.rb:48:in `return!'
/usr/lib/ruby/gems/1.8/gems/rest-client-1.6.7/lib/restclient/request.rb:230:in `process_result'
/usr/lib/ruby/gems/1.8/gems/rest-client-1.6.7/lib/restclient/request.rb:178:in `transmit'
/usr/lib/ruby/1.8/net/http.rb:543:in `start'
/usr/lib/ruby/gems/1.8/gems/rest-client-1.6.7/lib/restclient/request.rb:172:in `transmit'
/usr/lib/ruby/gems/1.8/gems/rest-client-1.6.7/lib/restclient/request.rb:64:in `execute'
/usr/lib/ruby/gems/1.8/gems/rest-client-1.6.7/lib/restclient/request.rb:33:in `execute'
/usr/lib/ruby/gems/1.8/gems/rest-client-1.6.7/lib/restclient/resource.rb:97:in `delete'
/usr/lib/ruby/gems/1.8/gems/apipie-bindings-0.0.10/lib/apipie_bindings/api.rb:199:in `send'
/usr/lib/ruby/gems/1.8/gems/apipie-bindings-0.0.10/lib/apipie_bindings/api.rb:199:in `http_call'
/usr/lib/ruby/gems/1.8/gems/apipie-bindings-0.0.10/lib/apipie_bindings/api.rb:154:in `call'
/usr/lib/ruby/gems/1.8/gems/apipie-bindings-0.0.10/lib/apipie_bindings/resource.rb:14:in `call'
/usr/lib/ruby/gems/1.8/gems/hammer_cli-0.1.3/lib/hammer_cli/apipie/command.rb:42:in `send_request'
/usr/lib/ruby/gems/1.8/gems/hammer_cli_foreman-0.1.3/lib/hammer_cli_foreman/commands.rb:164:in `send_request'
/usr/lib/ruby/gems/1.8/gems/hammer_cli-0.1.3/lib/hammer_cli/apipie/command.rb:33:in `execute'
```

```
/usr/lib/ruby/gems/1.8/gems/clamp-0.6.3/lib/clamp/command.rb:67:in `run'  
'/usr/lib/ruby/gems/1.8/gems/hammer_cli-0.1.3/lib/hammer_cli/apipie/./abstract.rb:22:in `run'  
'/usr/lib/ruby/gems/1.8/gems/clamp-0.6.3/lib/clamp/subcommand/execution.rb:11:in `execute'  
'/usr/lib/ruby/gems/1.8/gems/clamp-0.6.3/lib/clamp/command.rb:67:in `run'  
'/usr/lib/ruby/gems/1.8/gems/hammer_cli-0.1.3/lib/hammer_cli/apipie/./abstract.rb:22:in `run'  
'/usr/lib/ruby/gems/1.8/gems/clamp-0.6.3/lib/clamp/subcommand/execution.rb:11:in `execute'  
'/usr/lib/ruby/gems/1.8/gems/clamp-0.6.3/lib/clamp/command.rb:67:in `run'  
'/usr/lib/ruby/gems/1.8/gems/hammer_cli-0.1.3/lib/hammer_cli/apipie/./abstract.rb:22:in `run'  
'/usr/lib/ruby/gems/1.8/gems/clamp-0.6.3/lib/clamp/command.rb:125:in `run'  
'/usr/lib/ruby/gems/1.8/gems/hammer_cli-0.1.3/bin/hammer:106  
'/usr/bin/hammer:19:in `load'  
'/usr/bin/hammer:19  
stefanl@puppet:~$
```

#### #6 - 03/02/2015 02:25 PM - Stefan Lasiewski

And I don't really know rake at all, but I did follow some debugging advice from an earlier ticket (Bug 1109258) and I poked around on the rake console a bit. I'm not sure how helpful this could be, but I thought I would include it anyways.

```
[root@puppet ~]# foreman-rake console
```

```
Loading production environment (Rails 3.2.8)
```

```
irb(main):001:0>
```

```
irb(main):002:0*
```

```
irb(main):003:0* Token.where(:host_id =>
```

```
irb(main):004:1* Host.find_by_name("host4.test.example.org"))
```

```
Host::Managed Load (1.4ms) SELECT "hosts".* FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."name" = 'host4.test.example.org' LIMIT 1
```

```
Token Load (0.6ms) SELECT "tokens".* FROM "tokens" WHERE "tokens"."host_id" = 82
```

```
=> [#<Token id: 44, value: "45661f2c-dd01-4efq-aqq9-94eq12384224", expires: "2015-02-12 09:07:50", host_id: 82>, #<Token id: 43, value:
```

```
"123d24ac-2731-4381-qe11-123123adq0q6", expires: "2015-02-12 09:03:27", host_id: 82>, #<Token id: 42, value:
```

```
"98749f91-dd01-4dd4-983e-1231231fe920", expires: "2015-02-12 09:03:10", host_id: 82>, #<Token id: 41, value:
```

```
"asdqf40fe-9q96-4cd9-ae34-12323c08fa7", expires: "2015-02-12 09:02:40", host_id: 82>, #<Token id: 40, value:
```

```
"ertf6q2f-7c9c-434c-916e-12312328012f", expires: "2015-02-12 09:02:29", host_id: 82>]
```

```
irb(main):005:0>
```

#### #7 - 03/05/2015 04:45 AM - Ori Rabin

- Pull request [https://github.com/foreman/foreman\\_discovery/pull/166](https://github.com/foreman/foreman_discovery/pull/166) added

- Pull request deleted ([https://github.com/foreman/foreman\\_discovery/pull/163](https://github.com/foreman/foreman_discovery/pull/163))

#### #8 - 03/06/2015 09:10 PM - Stefan Lasiewski

This bug may also affect provisioning. I noticed that when I'm attempting to re-provision a server, it does not modify the file at `/var/lib/tftboot/pxelinux.cfg/01-00-33-44-55-66-77`

As a workaround, I discovered that I can rename the host from something like `webhost.example.org` to `webhost-bad.example.org`, assign a bogus MAC address to the primary interface, like `11:22:33:44:55:66` and delete any extra interfaces. The host is still in the list, with `"host_id" = 82` but I can ignore it for now and delete it at some future point

#### #9 - 03/09/2015 09:01 AM - Ori Rabin

- Status changed from *Ready For Testing* to *Closed*

- % Done changed from 0 to 100

Applied in changeset [foreman\\_discovery/bc01733928b6babaf0feefbbce326169ae588b08](https://puppet.com/changelog/foreman_discovery/bc01733928b6babaf0feefbbce326169ae588b08).

#### #10 - 03/24/2015 03:36 AM - Lukas Zapletal

- Bugzilla link set to 1197477

#### #11 - 03/26/2015 04:18 AM - Dominic Cleal

- Has duplicate Bug #9900: *ERROR: update or delete on table "hosts" violates foreign key constraint "tokens\_host\_id\_fk" on table "tokens" DETAIL: Key (id)=(6) is still referenced from table "tokens"* added

#### #12 - 03/31/2015 12:31 PM - Lukas Zapletal

- Related to Bug #9777: *Trying to delete a discovered host after a failed provisioning request fails* added

#### #13 - 03/31/2015 12:33 PM - Lukas Zapletal

- Related to deleted (Bug #9777: *Trying to delete a discovered host after a failed provisioning request fails*)

**#14 - 05/05/2015 06:27 AM - Ori Rabin**

- Related to Bug #10365: Migration to delete duplicate tokens doesn't work when there are no managed hosts added

**#15 - 05/20/2015 02:16 AM - Dominic Cleal**

- Related to Bug #10535: Tokens are created for managed hosts after validation added

**#16 - 05/20/2015 02:17 AM - Dominic Cleal**

[https://github.com/theforeman/foreman\\_discovery/pull/184](https://github.com/theforeman/foreman_discovery/pull/184) also it seems.