

## Foreman - Bug #8827

### new hosts built from images fail with Ip address is invalid

01/05/2015 12:16 AM - Benjamin Roberts

|   |                                 |
|---|---------------------------------|
| <b>Status:</b> New  |                                 |
| <b>Priority:</b> Normal   |                                 |
| <b>Assignee:</b>  |                                 |
| <b>Category:</b> API  |                                 |
| <b>Target version:</b>  |                                 |
| <b>Difficulty:</b>  | <b>Fixed in Releases:</b>       |
| <b>Triaged:</b>   | <b>Found in Releases:</b> 1.6.3 |
| <b>Bugzilla link:</b>   | <b>Red Hat JIRA:</b>            |
| <b>Pull request:</b>  |                                 |
| <b>Description</b>  |                                 |
| <p>When creating virtual machine hosts via the API (v2) hosts with provision_method="image" set fail to build with the error "IP address is invalid".</p> <p>I am not specifying the IP's of these hosts anywhere (as verified in the production.log) as with my regular (not-image) hosts I do not too (IP autosuggest seems to work).</p> <p>When provisioning an identical host via the web interface I encounter no such issues. I believe this is because the web interface is able to call /subnets/freeip (where as API users are not, csrf etc).</p> <p>Either autosuggest should work for image hosts the same as other hosts or /subnets/freeip should be exposed via the API such that it can be used without csrf/authenticity tokens.</p> <p>Happy to provide my configurations if needed.</p> |                                 |

#### History

##### #1 - 01/09/2015 06:52 AM - Daniel Lobato Garcia

On nightly I've tried creating a libvirt host and it worked well, please supply more information (logs, hash used to create the vm, compute resource provider..)

##### #2 - 01/13/2015 05:29 PM - Benjamin Roberts

- File WindowsHost.json added
- File LinuxHost.json added
- File ProductionGui.log added
- File ProductionAPI.log added

Attached are:

- + The hash used to make the windows host (Image based) which fails with IP Address is Invalid
- + The hash used to make the linux host (Kickstart based) which succeeds
- + The log entry of the windows host failing (created via API)
- + The log entry of the windows host succeeding (created via GUI)

The host can be created through the GUI because it provides the IP address retrieved from /subnets/freeip in its hash. However the linux host (created through the API) can be created without specifying its IP

##### #3 - 01/13/2015 05:35 PM - Benjamin Roberts

Deploying against a oVirt compute resource

##### #4 - 01/13/2015 06:29 PM - Benjamin Roberts

If I manually set the IP address in the hash the host can be created. If I check its configuration in the GUI I can see that it hasn't inherited its primary interface subnet from its hostgroup. Getting the subnet\_id from the hostgroup hash and adding it to the host hash allows the host to be created.

It subsequently fails when SSH'ing into the box (windows, no sshd) which the WebGUI does not seem to do.

There seems to be some difference with hostgroups et al are dealt with when provisioning from an image vs' PXE?

**#5 - 01/14/2015 03:18 AM - Dominic Cleal**

The issue appears to be in `set_hostgroup_defaults` in `Host::Managed` - it only fills in `subnet_id` from the host group if `pxe_build?`. I don't think that's correct, as `app/views/hosts/_unattended.html.erb` for the UI uses a different check (whether the CR supports PXE building, which is still a bit odd, but works).

**#6 - 01/15/2015 06:13 PM - Benjamin Roberts**

I don't quite follow why omitting the `subnet_id` was chosen as correct behavior for image based hosts. Is there a use case I'm missing?

**#7 - 01/16/2015 03:33 AM - Dominic Cleal**

It was probably from when image builds were only EC2, Rackspace etc, which supply their own IP address, so don't need a `subnet_id`.

Image builds on libvirt, VMware and oVirt were added more recently and work differently - more like PXE building, where we manage IP allocations.

**#8 - 01/18/2015 06:32 PM - Benjamin Roberts**

Should the Compute Providers be able to override this behavior then maybe?

**#9 - 01/19/2015 03:51 AM - Dominic Cleal**

Yeah, it should probably be a method on the compute resource class to say what behaviour's expected. Thinking about it, there's something similar already - "`provided_attributes`" which is used to say which attrs are supplied by the compute resource, e.g. IP and MAC.

**#10 - 01/19/2015 10:29 PM - Benjamin Roberts**

On a related note, it appears that image based hosts don't remove their dhcp leases on deletion

**Files**

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|                   |         |            |                  |
|-------------------|---------|------------|------------------|
| WindowsHost.json  | 1.49 KB | 01/13/2015 | Benjamin Roberts |
| LinuxHost.json    | 1.19 KB | 01/13/2015 | Benjamin Roberts |
| ProductionGui.log | 2 KB    | 01/13/2015 | Benjamin Roberts |
| ProductionAPI.log | 1.34 KB | 01/13/2015 | Benjamin Roberts |