

Foreman - Feature #1890

Implement a host status API call

10/05/2012 10:51 AM - Rytis Sileika

Status: Closed	
Priority: Normal	
Assignee: Joseph Magen	
Category: API	
Target version: 1.1	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request:	
Description	
Currently it is not possible to obtain host status for a particular host via API.	
I mean host status like it is displayed in the host list screen:	
- out of sync (S)	
- building (B)	
- active (A)	
- no changes (O)	
- error (E)	
Something like: /hosts/FQDN/status	

Associated revisions

Revision 8dc8a9ac - 12/24/2012 10:57 AM - Joseph Magen

fixes #1890 api host status

Revision f9c3c9c4 - 12/24/2012 10:59 AM - Ohad Levy

refs #1890, typo

History

#1 - 10/05/2012 03:01 PM - Ohad Levy

what about /hosts/fqdn/reports/last ?

#2 - 10/05/2012 05:16 PM - Rytis Sileika

But that only returns puppet report status, ie number of failed modules, stuff like that. It doesn't tell whether node is in "build" state, or haven't checked in for a long time (ie 'out of sync')?

I might be making up things as I speak from memory, can't check it right now - will check the reports/status url output when back in the office....

#3 - 10/08/2012 03:55 AM - Rytis Sileika

So /hosts/FQDN/reports/last gives me this:

```
{"report":
  {"host": "FQDN",
   "id": 409,
   "logs": [
     {"log": {"messages":
        {"message": "Finished catalog run in 3.25 seconds",
         "sources": {"source": "//FQDN/Puppet"}},
        {"log": {"messages": {"message": "Could not intern from pson: source '\n
#<Puppet::Node:0x7f' not in PSON!",
         "sources": {"source": "//FQDN/Puppet"}},
        {"log": {"messages": {"message": "Unable to fetch my node definition, but the agent run will continue:"},
         "sources": {"source": "//FQDN/Puppet"}}}}]}
```

```

"summary": "Success",
"status": { "skipped": 6,
            "failed_restarts": 0,
            "applied": 0,
            "pending": 0,
            "restarted": 0,
            "failed": 0 },
"reported_at": "2012-10-08T07:21:14Z",
"metrics": { "events":
             { "total": 0,
               "success": 0,
               "failure": 0 },
             "resources":
             { "skipped": 6,
               "total": 23,
               "changed": 0,
               "out_of_sync": 0,
               "scheduled": 0,
               "failed_to_restart": 0,
               "restarted": 0,
               "failed": 0 },
             "changes": { "total": 0 },
"time": { "total": 4.13812288578796,
          "config_retrieval": 1.55275988578796,
          "exec": 0.409399,
          "filebucket": 0.000166,
          "service": 1.815179,
          "file": 0.355286,
          "package": 0.005333 } } }

```

Which is perhaps OK for the hosts that are already built. But it does not tell me whether the host is set to be built. If I click on **build**, all reports are deleted, and I don't even get the info above.

Here's what I wanted to do, may be that would serve as a use case: I want to schedule a periodic host rebuild task:

1. Create an empty VM object in VMware
2. Register in Foreman
3. PXE boot
4. Wait for the node to finish building
5. Do something else with the built VM

So steps 1-3 are easy to implement, but I got stuck at checking when the build is completely finished. There are ways of doing that, but just having a simple API call that would tell me various states (Building, Active, No changes, etc) would be very helpful... :)

#4 - 10/08/2012 05:21 AM - Greg Sutcliffe

I think there are other good use cases for this as well. For example, it would be trivial to use this to build a set of Nagios checks that report if hosts stay in a certain state too long.

#5 - 12/18/2012 09:26 AM - Joseph Magen

- Status changed from New to Ready For Testing
- Assignee set to Joseph Magen

I submitted a pull request with status names
<https://github.com/foreman/foreman/pull/315>

- missing
- failed
- pending
- changed
- unchanged
- unreported

I don't have a status yet for "building"

#6 - 12/24/2012 07:28 AM - Joseph Magen

New status names. Same as UI hover hints on List of Hosts page.

- "Pending Installation"
- "Alerts disabled"
- "No reports"
- "Out of sync"

"Error"
"Active"
"Pending"
"No changes"

#7 - 12/24/2012 08:48 AM - Ohad Levy

- *Category set to API*
- *Target version set to 1.1*

#8 - 12/24/2012 12:40 PM - Anonymous

- *Status changed from Ready For Testing to Closed*
- *% Done changed from 0 to 100*

Applied in changeset [8dc8a9acf0d12e8ad9e57ffbc981d47707c9f0a](#).